**Energy Deviation Account Statement for the period 06/01/2020 to 12/01/2020**

| PSSName | Date | Block No | Avc (kWh) | Schedule (kWh) | Actual (kWh) | Deviation (kWh) | % Deviation(% Absolute error) | Deviation Charges PSS (Rs.) | Periphery Rate (Rs.) | Deviation charges Periphery (Rs.) |
|---|---|---|---|---|---|---|---|---|---|---|
| Alephata 220kV | 06/01/2020 00:00:00 | 1 | 7425.0 | 817.5 | 0.0 | -817.5 | 11.01 | 0.00 | 2.903 | 0.000000 |
| Alephata 220kV | 06/01/2020 00:15:00 | 2 | 7425.0 | 842.5 | 0.0 | -842.5 | 11.35 | 0.00 | 0.000 | 0.000000 |
| Alephata 220kV | 06/01/2020 00:30:00 | 3 | 7425.0 | 840.0 | 0.0 | -840.0 | 11.31 | 0.00 | 0.000 | 0.000000 |
| Alephata 220kV | 06/01/2020 00:45:00 | 4 | 7425.0 | 997.5 | 0.0 | -997.5 | 13.43 | 0.00 | -0.984 | 0.000000 |
| Alephata 220kV | 06/01/2020 01:00:00 | 5 | 7425.0 | 1040.0 | 0.0 | -1040.0 | 14.01 | 0.00 | -3.541 | 0.000000 |
| Alephata 220kV | 06/01/2020 01:15:00 | 6 | 7425.0 | 990.0 | 0.0 | -990.0 | 13.33 | 0.00 | 3.222 | 23.767688 |
| Alephata 220kV | 06/01/2020 01:30:00 | 7 | 7425.0 | 857.5 | 0.0 | -857.5 | 11.55 | 0.00 | 3.541 | 231.424119 |
| Alephata 220kV | 06/01/2020 01:45:00 | 8 | 7425.0 | 1040.0 | 0.0 | -1040.0 | 14.01 | 0.00 | 2.352 | 0.000000 |
| Alephata 220kV | 06/01/2020 02:00:00 | 9 | 7425.0 | 812.5 | 0.0 | -812.5 | 10.94 | 0.00 | 1.747 | 0.000000 |
| Alephata 220kV | 06/01/2020 02:15:00 | 10 | 7425.0 | 1040.0 | 0.0 | -1040.0 | 14.01 | 0.00 | 0.581 | 0.000000 |
| Alephata 220kV | 06/01/2020 02:30:00 | 11 | 7425.0 | 965.0 | 0.0 | -965.0 | 13.0 | 0.00 | -2.323 | 0.000000 |
| Alephata 220kV | 06/01/2020 02:45:00 | 12 | 7425.0 | 897.5 | 0.0 | -897.5 | 12.09 | 0.00 | 2.323 | 0.000000 |
| Alephata 220kV | 06/01/2020 03:00:00 | 13 | 7425.0 | 895.0 | 0.0 | -895.0 | 12.05 | 0.00 | 2.323 | 0.000000 |
| Alephata 220kV | 06/01/2020 03:15:00 | 14 | 7425.0 | 1007.5 | 0.0 | -1007.5 | 13.57 | 0.00 | -1.742 | 0.000000 |
| Alephata 220kV | 06/01/2020 03:30:00 | 15 | 7425.0 | 890.0 | 0.0 | -890.0 | 11.99 | 0.00 | 3.222 | 0.000000 |
| Alephata 220kV | 06/01/2020 03:45:00 | 16 | 7425.0 | 937.5 | 0.0 | -937.5 | 12.63 | 0.00 | 3.541 | 0.000000 |
| Alephata 220kV | 06/01/2020 04:00:00 | 17 | 7425.0 | 852.5 | 0.0 | -852.5 | 11.48 | 0.00 | 4.496 | 0.000000 |
| Alephata 220kV | 06/01/2020 04:15:00 | 18 | 7425.0 | 1032.5 | 0.0 | -1032.5 | 13.91 | 0.00 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Alephata 220kV | 06/01/2020 04:30:00 | 19 | 7425.0 | 847.5 | 0.0 | -847.5 | 11.41 | 0.00 | 3.859 | 0.000000 |
| Alephata 220kV | 06/01/2020 04:45:00 | 20 | 7425.0 | 1012.5 | 0.0 | -1012.5 | 13.64 | 0.00 | 4.815 | 0.000000 |
| Alephata 220kV | 06/01/2020 05:00:00 | 21 | 7425.0 | 817.5 | 0.0 | -817.5 | 11.01 | 0.00 | 3.859 | 358.539907 |
| Alephata 220kV | 06/01/2020 05:15:00 | 22 | 7425.0 | 905.0 | 0.0 | -905.0 | 12.19 | 0.00 | 6.407 | 716.564617 |
| Alephata 220kV | 06/01/2020 05:30:00 | 23 | 7425.0 | 867.5 | 0.0 | -867.5 | 11.68 | 0.00 | 6.496 | 1016.856432 |
| Alephata 220kV | 06/01/2020 05:45:00 | 24 | 7425.0 | 1012.5 | 0.0 | -1012.5 | 13.64 | 0.00 | 7.492 | 641.369123 |
| Alephata 220kV | 06/01/2020 06:00:00 | 25 | 7425.0 | 1000.0 | 0.0 | -1000.0 | 13.47 | 0.00 | -5.452 | 0.000000 |
| Alephata 220kV | 06/01/2020 06:15:00 | 26 | 7425.0 | 802.5 | 0.0 | -802.5 | 10.81 | 0.00 | -6.089 | 0.000000 |
| Alephata 220kV | 06/01/2020 06:30:00 | 27 | 7425.0 | 907.5 | 0.0 | -907.5 | 12.22 | 0.00 | -7.044 | 0.000000 |
| Alephata 220kV | 06/01/2020 06:45:00 | 28 | 7425.0 | 1022.5 | 0.0 | -1022.5 | 13.77 | 0.00 | 7.682 | 0.000000 |
| Alephata 220kV | 06/01/2020 07:00:00 | 29 | 7425.0 | 960.0 | 0.0 | -960.0 | 12.93 | 0.00 | -3.859 | 0.000000 |
| Alephata 220kV | 06/01/2020 07:15:00 | 30 | 7425.0 | 860.0 | 0.0 | -860.0 | 11.58 | 0.00 | 4.815 | 427.005567 |
| Alephata 220kV | 06/01/2020 07:30:00 | 31 | 7425.0 | 820.0 | 0.0 | -820.0 | 11.04 | 0.00 | 4.178 | 0.000000 |
| Alephata 220kV | 06/01/2020 07:45:00 | 32 | 7425.0 | 965.0 | 0.0 | -965.0 | 13.0 | 0.00 | -3.540 | 0.000000 |
| Alephata 220kV | 06/01/2020 08:00:00 | 33 | 7425.0 | 865.0 | 0.0 | -865.0 | 11.65 | 0.00 | -3.859 | 0.000000 |
| Alephata 220kV | 06/01/2020 08:15:00 | 34 | 7425.0 | 922.5 | 0.0 | -922.5 | 12.42 | 0.00 | -5.452 | 0.000000 |
| Alephata 220kV | 06/01/2020 08:30:00 | 35 | 7425.0 | 1005.0 | 0.0 | -1005.0 | 13.54 | 0.00 | 4.178 | 0.000000 |
| Alephata 220kV | 06/01/2020 08:45:00 | 36 | 7425.0 | 822.5 | 0.0 | -822.5 | 11.08 | 0.00 | -3.859 | 0.000000 |
| Alephata 220kV | 06/01/2020 09:00:00 | 37 | 7425.0 | 965.0 | 0.0 | -965.0 | 13.0 | 0.00 | -6.407 | 0.000000 |
| Alephata 220kV | 06/01/2020 09:15:00 | 38 | 7425.0 | 870.0 | 0.0 | -870.0 | 11.72 | 0.00 | -8.000 | 0.000000 |
| Alephata 220kV | 06/01/2020 09:30:00 | 39 | 7425.0 | 882.5 | 0.0 | -882.5 | 11.89 | 0.00 | -5.770 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Alephata 220kV | 06/01/2020 09:45:00 | 40 | 7425.0 | 945.0 | 0.0 | -945.0 | 12.73 | 0.00 | 3.222 | 0.000000 |
| Alephata 220kV | 06/01/2020 10:00:00 | 41 | 7425.0 | 1015.0 | 0.0 | -1015.0 | 13.67 | 0.00 | -2.903 | 0.000000 |
| Alephata 220kV | 06/01/2020 10:15:00 | 42 | 7425.0 | 955.0 | 0.0 | -955.0 | 12.86 | 0.00 | -3.222 | 0.000000 |
| Alephata 220kV | 06/01/2020 10:30:00 | 43 | 7425.0 | 1015.0 | 0.0 | -1015.0 | 13.67 | 0.00 | 4.815 | 0.000000 |
| Alephata 220kV | 06/01/2020 10:45:00 | 44 | 7425.0 | 827.5 | 0.0 | -827.5 | 11.14 | 0.00 | 4.496 | 0.000000 |
| Alephata 220kV | 06/01/2020 11:00:00 | 45 | 7425.0 | 805.0 | 0.0 | -805.0 | 10.84 | 0.00 | 16.000 | 0.000000 |
| Alephata 220kV | 06/01/2020 11:15:00 | 46 | 7425.0 | 1040.0 | 0.0 | -1040.0 | 14.01 | 0.00 | 5.133 | 0.000000 |
| Alephata 220kV | 06/01/2020 11:30:00 | 47 | 7425.0 | 932.5 | 0.0 | -932.5 | 12.56 | 0.00 | 1.182 | 0.000000 |
| Alephata 220kV | 06/01/2020 11:45:00 | 48 | 7425.0 | 1022.5 | 0.0 | -1022.5 | 13.77 | 0.00 | 6.308 | 0.000000 |
| Alephata 220kV | 06/01/2020 12:00:00 | 49 | 7425.0 | 902.5 | 0.0 | -902.5 | 12.15 | 0.00 | 6.598 | 0.000000 |
| Alephata 220kV | 06/01/2020 12:15:00 | 50 | 7425.0 | 922.5 | 0.0 | -922.5 | 12.42 | 0.00 | 5.431 | 0.000000 |
| Alephata 220kV | 06/01/2020 12:30:00 | 51 | 7425.0 | 1002.5 | 0.0 | -1002.5 | 13.5 | 0.00 | 3.540 | 0.000000 |
| Alephata 220kV | 06/01/2020 12:45:00 | 52 | 7425.0 | 832.5 | 0.0 | -832.5 | 11.21 | 0.00 | -2.903 | 0.000000 |
| Alephata 220kV | 06/01/2020 13:00:00 | 53 | 7425.0 | 812.5 | 0.0 | -812.5 | 10.94 | 0.00 | -1.161 | 0.000000 |
| Alephata 220kV | 06/01/2020 13:15:00 | 54 | 7425.0 | 987.5 | 0.0 | -987.5 | 13.3 | 0.00 | 3.859 | 0.000000 |
| Alephata 220kV | 06/01/2020 13:30:00 | 55 | 7425.0 | 840.0 | 0.0 | -840.0 | 11.31 | 0.00 | -6.407 | 0.000000 |
| Alephata 220kV | 06/01/2020 13:45:00 | 56 | 7425.0 | 912.5 | 0.0 | -912.5 | 12.29 | 0.00 | 5.452 | 0.000000 |
| Alephata 220kV | 06/01/2020 14:00:00 | 57 | 7425.0 | 897.5 | 0.0 | -897.5 | 12.09 | 0.00 | 5.452 | 0.000000 |
| Alephata 220kV | 06/01/2020 14:15:00 | 58 | 7425.0 | 860.0 | 0.0 | -860.0 | 11.58 | 0.00 | 16.000 | 0.000000 |
| Alephata 220kV | 06/01/2020 14:30:00 | 59 | 7425.0 | 862.5 | 0.0 | -862.5 | 11.62 | 0.00 | 6.035 | 0.000000 |
| Alephata 220kV | 06/01/2020 14:45:00 | 60 | 7425.0 | 965.0 | 0.0 | -965.0 | 13.0 | 0.00 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Alephata 220kV | 06/01/2020 15:00:00 | 61 | 7425.0 | 982.5 | 0.0 | -982.5 | 13.23 | 0.00 | 3.367 | 0.000000 |
| Alephata 220kV | 06/01/2020 15:15:00 | 62 | 7425.0 | 837.5 | 0.0 | -837.5 | 11.28 | 0.00 | 3.904 | 0.000000 |
| Alephata 220kV | 06/01/2020 15:30:00 | 63 | 7425.0 | 932.5 | 0.0 | -932.5 | 12.56 | 0.00 | 4.482 | 0.000000 |
| Alephata 220kV | 06/01/2020 15:45:00 | 64 | 7425.0 | 865.0 | 0.0 | -865.0 | 11.65 | 0.00 | 4.225 | 0.000000 |
| Alephata 220kV | 06/01/2020 16:00:00 | 65 | 7425.0 | 987.5 | 0.0 | -987.5 | 13.3 | 0.00 | 2.895 | 0.000000 |
| Alephata 220kV | 06/01/2020 16:15:00 | 66 | 7425.0 | 980.0 | 0.0 | -980.0 | 13.2 | 0.00 | 6.089 | 0.000000 |
| Alephata 220kV | 06/01/2020 16:30:00 | 67 | 7425.0 | 875.0 | 0.0 | -875.0 | 11.78 | 0.00 | -8.000 | 0.000000 |
| Alephata 220kV | 06/01/2020 16:45:00 | 68 | 7425.0 | 1010.0 | 0.0 | -1010.0 | 13.6 | 0.00 | -4.178 | 0.000000 |
| Alephata 220kV | 06/01/2020 17:00:00 | 69 | 7425.0 | 982.5 | 0.0 | -982.5 | 13.23 | 0.00 | 1.742 | 0.000000 |
| Alephata 220kV | 06/01/2020 17:15:00 | 70 | 7425.0 | 815.0 | 0.0 | -815.0 | 10.98 | 0.00 | 2.903 | 0.000000 |
| Alephata 220kV | 06/01/2020 17:30:00 | 71 | 7425.0 | 877.5 | 0.0 | -877.5 | 11.82 | 0.00 | -4.178 | 0.000000 |
| Alephata 220kV | 06/01/2020 17:45:00 | 72 | 7425.0 | 935.0 | 0.0 | -935.0 | 12.59 | 0.00 | -2.323 | 0.000000 |
| Alephata 220kV | 06/01/2020 18:00:00 | 73 | 7425.0 | 882.5 | 0.0 | -882.5 | 11.89 | 0.00 | -2.903 | 0.000000 |
| Alephata 220kV | 06/01/2020 18:15:00 | 74 | 7425.0 | 852.5 | 0.0 | -852.5 | 11.48 | 0.00 | 1.161 | 221.700716 |
| Alephata 220kV | 06/01/2020 18:30:00 | 75 | 7425.0 | 990.0 | 0.0 | -990.0 | 13.33 | 0.00 | 2.903 | 843.216252 |
| Alephata 220kV | 06/01/2020 18:45:00 | 76 | 7425.0 | 830.0 | 0.0 | -830.0 | 11.18 | 0.00 | 2.903 | 16.735473 |
| Alephata 220kV | 06/01/2020 19:00:00 | 77 | 7425.0 | 880.0 | 0.0 | -880.0 | 11.85 | 0.00 | -1.161 | 0.000000 |
| Alephata 220kV | 06/01/2020 19:15:00 | 78 | 7425.0 | 852.5 | 0.0 | -852.5 | 11.48 | 0.00 | -4.178 | 0.000000 |
| Alephata 220kV | 06/01/2020 19:30:00 | 79 | 7425.0 | 912.5 | 0.0 | -912.5 | 12.29 | 0.00 | -2.323 | 0.000000 |
| Alephata 220kV | 06/01/2020 19:45:00 | 80 | 7425.0 | 927.5 | 0.0 | -927.5 | 12.49 | 0.00 | -4.178 | 0.000000 |
| Alephata 220kV | 06/01/2020 20:00:00 | 81 | 7425.0 | 965.0 | 0.0 | -965.0 | 13.0 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Alephata 220kV | 06/01/2020 20:15:00 | 82 | 7425.0 | 960.0 | 0.0 | -960.0 | 12.93 | 0.00 | -5.770 | 0.000000 |
| Alephata 220kV | 06/01/2020 20:30:00 | 83 | 7425.0 | 935.0 | 0.0 | -935.0 | 12.59 | 0.00 | 5.770 | 127.396728 |
| Alephata 220kV | 06/01/2020 20:45:00 | 84 | 7425.0 | 922.5 | 0.0 | -922.5 | 12.42 | 0.00 | 4.178 | 381.502962 |
| Alephata 220kV | 06/01/2020 21:00:00 | 85 | 7425.0 | 930.0 | 0.0 | -930.0 | 12.53 | 0.00 | 3.222 | 203.463036 |
| Alephata 220kV | 06/01/2020 21:15:00 | 86 | 7425.0 | 830.0 | 0.0 | -830.0 | 11.18 | 0.00 | -1.742 | 0.000000 |
| Alephata 220kV | 06/01/2020 21:30:00 | 87 | 7425.0 | 1022.5 | 0.0 | -1022.5 | 13.77 | 0.00 | 0.000 | 0.000000 |
| Alephata 220kV | 06/01/2020 21:45:00 | 88 | 7425.0 | 830.0 | 0.0 | -830.0 | 11.18 | 0.00 | 1.161 | 0.000000 |
| Alephata 220kV | 06/01/2020 22:00:00 | 89 | 7425.0 | 887.5 | 0.0 | -887.5 | 11.95 | 0.00 | 4.815 | 519.655314 |
| Alephata 220kV | 06/01/2020 22:15:00 | 90 | 7425.0 | 912.5 | 0.0 | -912.5 | 12.29 | 0.00 | 3.859 | 551.242190 |
| Alephata 220kV | 06/01/2020 22:30:00 | 91 | 7425.0 | 947.5 | 0.0 | -947.5 | 12.76 | 0.00 | 1.742 | 0.000000 |
| Alephata 220kV | 06/01/2020 22:45:00 | 92 | 7425.0 | 807.5 | 0.0 | -807.5 | 10.88 | 0.00 | -2.323 | 0.000000 |
| Alephata 220kV | 06/01/2020 23:00:00 | 93 | 7425.0 | 845.0 | 0.0 | -845.0 | 11.38 | 0.00 | -2.903 | 0.000000 |
| Alephata 220kV | 06/01/2020 23:15:00 | 94 | 7425.0 | 847.5 | 0.0 | -847.5 | 11.41 | 0.00 | 2.323 | 0.000000 |
| Alephata 220kV | 06/01/2020 23:30:00 | 95 | 7425.0 | 1047.5 | 0.0 | -1047.5 | 14.11 | 0.00 | -3.222 | 0.000000 |
| Alephata 220kV | 06/01/2020 23:45:00 | 96 | 7425.0 | 875.0 | 0.0 | -875.0 | 11.78 | 0.00 | 2.323 | 0.000000 |
| Alephata 220kV | 07/01/2020 00:00:00 | 1 | 7425.0 | 817.5 | 0.0 | -817.5 | 11.01 | 0.00 | -0.549 | 0.000000 |
| Alephata 220kV | 07/01/2020 00:15:00 | 2 | 7425.0 | 842.5 | 0.0 | -842.5 | 11.35 | 0.00 | -1.647 | 0.000000 |
| Alephata 220kV | 07/01/2020 00:30:00 | 3 | 7425.0 | 840.0 | 0.0 | -840.0 | 11.31 | 0.00 | -3.073 | 0.000000 |
| Alephata 220kV | 07/01/2020 00:45:00 | 4 | 7425.0 | 997.5 | 0.0 | -997.5 | 13.43 | 0.00 | -2.744 | 0.000000 |
| Alephata 220kV | 07/01/2020 01:00:00 | 5 | 7425.0 | 1040.0 | 0.0 | -1040.0 | 14.01 | 0.00 | -4.058 | 0.000000 |
| Alephata 220kV | 07/01/2020 01:15:00 | 6 | 7425.0 | 990.0 | 0.0 | -990.0 | 13.33 | 0.00 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Alephata 220kV | 07/01/2020 01:30:00 | 7 | 7425.0 | 857.5 | 0.0 | -857.5 | 11.55 | 0.00 | -3.401 | 0.000000 |
| Alephata 220kV | 07/01/2020 01:45:00 | 8 | 7425.0 | 1040.0 | 0.0 | -1040.0 | 14.01 | 0.00 | 3.730 | 0.000000 |
| Alephata 220kV | 07/01/2020 02:00:00 | 9 | 7425.0 | 812.5 | 0.0 | -812.5 | 10.94 | 0.00 | 3.073 | 176.887302 |
| Alephata 220kV | 07/01/2020 02:15:00 | 10 | 7425.0 | 1040.0 | 0.0 | -1040.0 | 14.01 | 0.00 | 3.073 | 101.243667 |
| Alephata 220kV | 07/01/2020 02:30:00 | 11 | 7425.0 | 965.0 | 0.0 | -965.0 | 13.0 | 0.00 | 3.401 | 131.396401 |
| Alephata 220kV | 07/01/2020 02:45:00 | 12 | 7425.0 | 897.5 | 0.0 | -897.5 | 12.09 | 0.00 | 2.745 | 121.886181 |
| Alephata 220kV | 07/01/2020 03:00:00 | 13 | 7425.0 | 895.0 | 0.0 | -895.0 | 12.05 | 0.00 | 1.647 | 0.000000 |
| Alephata 220kV | 07/01/2020 03:15:00 | 14 | 7425.0 | 1007.5 | 0.0 | -1007.5 | 13.57 | 0.00 | 2.196 | 64.633827 |
| Alephata 220kV | 07/01/2020 03:30:00 | 15 | 7425.0 | 890.0 | 0.0 | -890.0 | 11.99 | 0.00 | 1.647 | 75.962095 |
| Alephata 220kV | 07/01/2020 03:45:00 | 16 | 7425.0 | 937.5 | 0.0 | -937.5 | 12.63 | 0.00 | 1.098 | 0.000000 |
| Alephata 220kV | 07/01/2020 04:00:00 | 17 | 7425.0 | 852.5 | 0.0 | -852.5 | 11.48 | 0.00 | 1.647 | 312.185410 |
| Alephata 220kV | 07/01/2020 04:15:00 | 18 | 7425.0 | 1032.5 | 0.0 | -1032.5 | 13.91 | 0.00 | 2.210 | 739.226784 |
| Alephata 220kV | 07/01/2020 04:30:00 | 19 | 7425.0 | 847.5 | 0.0 | -847.5 | 11.41 | 0.00 | 3.730 | 856.815529 |
| Alephata 220kV | 07/01/2020 04:45:00 | 20 | 7425.0 | 1012.5 | 0.0 | -1012.5 | 13.64 | 0.00 | -1.098 | 0.000000 |
| Alephata 220kV | 07/01/2020 05:00:00 | 21 | 7425.0 | 817.5 | 0.0 | -817.5 | 11.01 | 0.00 | -2.744 | 0.000000 |
| Alephata 220kV | 07/01/2020 05:15:00 | 22 | 7425.0 | 905.0 | 0.0 | -905.0 | 12.19 | 0.00 | 3.730 | 464.915172 |
| Alephata 220kV | 07/01/2020 05:30:00 | 23 | 7425.0 | 867.5 | 0.0 | -867.5 | 11.68 | 0.00 | 3.073 | 1001.182001 |
| Alephata 220kV | 07/01/2020 05:45:00 | 24 | 7425.0 | 1012.5 | 0.0 | -1012.5 | 13.64 | 0.00 | 3.730 | 907.767029 |
| Alephata 220kV | 07/01/2020 06:00:00 | 25 | 7425.0 | 1000.0 | 0.0 | -1000.0 | 13.47 | 0.00 | -5.372 | 0.000000 |
| Alephata 220kV | 07/01/2020 06:15:00 | 26 | 7425.0 | 802.5 | 0.0 | -802.5 | 10.81 | 0.00 | 4.556 | 2674.008409 |
| Alephata 220kV | 07/01/2020 06:30:00 | 27 | 7425.0 | 907.5 | 0.0 | -907.5 | 12.22 | 0.00 | 7.148 | 5235.538948 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Alephata 220kV | 07/01/2020 06:45:00 | 28 | 7425.0 | 1022.5 | 0.0 | -1022.5 | 13.77 | 0.00 | 7.821 | 5409.243057 |
| Alephata 220kV | 07/01/2020 07:00:00 | 29 | 7425.0 | 960.0 | 0.0 | -960.0 | 12.93 | 0.00 | 5.372 | 2551.149866 |
| Alephata 220kV | 07/01/2020 07:15:00 | 30 | 7425.0 | 860.0 | 0.0 | -860.0 | 11.58 | 0.00 | 16.000 | 0.000000 |
| Alephata 220kV | 07/01/2020 07:30:00 | 31 | 7425.0 | 820.0 | 0.0 | -820.0 | 11.04 | 0.00 | 9.296 | 0.000000 |
| Alephata 220kV | 07/01/2020 07:45:00 | 32 | 7425.0 | 965.0 | 0.0 | -965.0 | 13.0 | 0.00 | 9.794 | 0.000000 |
| Alephata 220kV | 07/01/2020 08:00:00 | 33 | 7425.0 | 865.0 | 0.0 | -865.0 | 11.65 | 0.00 | 3.593 | 0.000000 |
| Alephata 220kV | 07/01/2020 08:15:00 | 34 | 7425.0 | 922.5 | 0.0 | -922.5 | 12.42 | 0.00 | 3.401 | 0.000000 |
| Alephata 220kV | 07/01/2020 08:30:00 | 35 | 7425.0 | 1005.0 | 0.0 | -1005.0 | 13.54 | 0.00 | 3.245 | 0.000000 |
| Alephata 220kV | 07/01/2020 08:45:00 | 36 | 7425.0 | 822.5 | 0.0 | -822.5 | 11.08 | 0.00 | 0.000 | 0.000000 |
| Alephata 220kV | 07/01/2020 09:00:00 | 37 | 7425.0 | 965.0 | 0.0 | -965.0 | 13.0 | 0.00 | 2.745 | 0.000000 |
| Alephata 220kV | 07/01/2020 09:15:00 | 38 | 7425.0 | 870.0 | 0.0 | -870.0 | 11.72 | 0.00 | 4.715 | 0.000000 |
| Alephata 220kV | 07/01/2020 09:30:00 | 39 | 7425.0 | 882.5 | 0.0 | -882.5 | 11.89 | 0.00 | 3.981 | 0.000000 |
| Alephata 220kV | 07/01/2020 09:45:00 | 40 | 7425.0 | 945.0 | 0.0 | -945.0 | 12.73 | 0.00 | 3.730 | 0.000000 |
| Alephata 220kV | 07/01/2020 10:00:00 | 41 | 7425.0 | 1015.0 | 0.0 | -1015.0 | 13.67 | 0.00 | 1.780 | 0.000000 |
| Alephata 220kV | 07/01/2020 10:15:00 | 42 | 7425.0 | 955.0 | 0.0 | -955.0 | 12.86 | 0.00 | 5.643 | 0.000000 |
| Alephata 220kV | 07/01/2020 10:30:00 | 43 | 7425.0 | 1015.0 | 0.0 | -1015.0 | 13.67 | 0.00 | 4.976 | 0.000000 |
| Alephata 220kV | 07/01/2020 10:45:00 | 44 | 7425.0 | 827.5 | 0.0 | -827.5 | 11.14 | 0.00 | 4.415 | 0.000000 |
| Alephata 220kV | 07/01/2020 11:00:00 | 45 | 7425.0 | 805.0 | 0.0 | -805.0 | 10.84 | 0.00 | 4.476 | 0.000000 |
| Alephata 220kV | 07/01/2020 11:15:00 | 46 | 7425.0 | 1040.0 | 0.0 | -1040.0 | 14.01 | 0.00 | 4.826 | 0.000000 |
| Alephata 220kV | 07/01/2020 11:30:00 | 47 | 7425.0 | 932.5 | 0.0 | -932.5 | 12.56 | 0.00 | 2.289 | 0.000000 |
| Alephata 220kV | 07/01/2020 11:45:00 | 48 | 7425.0 | 1022.5 | 0.0 | -1022.5 | 13.77 | 0.00 | -0.549 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Alephata 220kV | 07/01/2020 12:00:00 | 49 | 7425.0 | 902.5 | 0.0 | -902.5 | 12.15 | 0.00 | 4.727 | 0.000000 |
| Alephata 220kV | 07/01/2020 12:15:00 | 50 | 7425.0 | 922.5 | 0.0 | -922.5 | 12.42 | 0.00 | 4.777 | 0.000000 |
| Alephata 220kV | 07/01/2020 12:30:00 | 51 | 7425.0 | 1002.5 | 0.0 | -1002.5 | 13.5 | 0.00 | 4.798 | 0.000000 |
| Alephata 220kV | 07/01/2020 12:45:00 | 52 | 7425.0 | 832.5 | 0.0 | -832.5 | 11.21 | 0.00 | -3.401 | 0.000000 |
| Alephata 220kV | 07/01/2020 13:00:00 | 53 | 7425.0 | 812.5 | 0.0 | -812.5 | 10.94 | 0.00 | -2.431 | 0.000000 |
| Alephata 220kV | 07/01/2020 13:15:00 | 54 | 7425.0 | 987.5 | 0.0 | -987.5 | 13.3 | 0.00 | -4.387 | 0.000000 |
| Alephata 220kV | 07/01/2020 13:30:00 | 55 | 7425.0 | 840.0 | 0.0 | -840.0 | 11.31 | 0.00 | -3.401 | 0.000000 |
| Alephata 220kV | 07/01/2020 13:45:00 | 56 | 7425.0 | 912.5 | 0.0 | -912.5 | 12.29 | 0.00 | -5.044 | 0.000000 |
| Alephata 220kV | 07/01/2020 14:00:00 | 57 | 7425.0 | 897.5 | 0.0 | -897.5 | 12.09 | 0.00 | 4.215 | 0.000000 |
| Alephata 220kV | 07/01/2020 14:15:00 | 58 | 7425.0 | 860.0 | 0.0 | -860.0 | 11.58 | 0.00 | 9.552 | 0.000000 |
| Alephata 220kV | 07/01/2020 14:30:00 | 59 | 7425.0 | 862.5 | 0.0 | -862.5 | 11.62 | 0.00 | 6.358 | 0.000000 |
| Alephata 220kV | 07/01/2020 14:45:00 | 60 | 7425.0 | 965.0 | 0.0 | -965.0 | 13.0 | 0.00 | 2.744 | 0.000000 |
| Alephata 220kV | 07/01/2020 15:00:00 | 61 | 7425.0 | 982.5 | 0.0 | -982.5 | 13.23 | 0.00 | -3.073 | 0.000000 |
| Alephata 220kV | 07/01/2020 15:15:00 | 62 | 7425.0 | 837.5 | 0.0 | -837.5 | 11.28 | 0.00 | -4.058 | 0.000000 |
| Alephata 220kV | 07/01/2020 15:30:00 | 63 | 7425.0 | 932.5 | 0.0 | -932.5 | 12.56 | 0.00 | -4.831 | 0.000000 |
| Alephata 220kV | 07/01/2020 15:45:00 | 64 | 7425.0 | 865.0 | 0.0 | -865.0 | 11.65 | 0.00 | -5.372 | 0.000000 |
| Alephata 220kV | 07/01/2020 16:00:00 | 65 | 7425.0 | 987.5 | 0.0 | -987.5 | 13.3 | 0.00 | 2.196 | 0.000000 |
| Alephata 220kV | 07/01/2020 16:15:00 | 66 | 7425.0 | 980.0 | 0.0 | -980.0 | 13.2 | 0.00 | -3.401 | 0.000000 |
| Alephata 220kV | 07/01/2020 16:30:00 | 67 | 7425.0 | 875.0 | 0.0 | -875.0 | 11.78 | 0.00 | 4.738 | 0.000000 |
| Alephata 220kV | 07/01/2020 16:45:00 | 68 | 7425.0 | 1010.0 | 0.0 | -1010.0 | 13.6 | 0.00 | 7.343 | 0.000000 |
| Alephata 220kV | 07/01/2020 17:00:00 | 69 | 7425.0 | 982.5 | 0.0 | -982.5 | 13.23 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Alephata 220kV | 07/01/2020 17:15:00 | 70 | 7425.0 | 815.0 | 0.0 | -815.0 | 10.98 | 0.00 | 2.744 | 135.572085 |
| Alephata 220kV | 07/01/2020 17:30:00 | 71 | 7425.0 | 877.5 | 0.0 | -877.5 | 11.82 | 0.00 | 3.401 | 57.940833 |
| Alephata 220kV | 07/01/2020 17:45:00 | 72 | 7425.0 | 935.0 | 0.0 | -935.0 | 12.59 | 0.00 | -2.745 | 0.000000 |
| Alephata 220kV | 07/01/2020 18:00:00 | 73 | 7425.0 | 882.5 | 0.0 | -882.5 | 11.89 | 0.00 | -3.073 | 0.000000 |
| Alephata 220kV | 07/01/2020 18:15:00 | 74 | 7425.0 | 852.5 | 0.0 | -852.5 | 11.48 | 0.00 | -5.372 | 0.000000 |
| Alephata 220kV | 07/01/2020 18:30:00 | 75 | 7425.0 | 990.0 | 0.0 | -990.0 | 13.33 | 0.00 | 3.401 | 0.000000 |
| Alephata 220kV | 07/01/2020 18:45:00 | 76 | 7425.0 | 830.0 | 0.0 | -830.0 | 11.18 | 0.00 | -3.401 | 0.000000 |
| Alephata 220kV | 07/01/2020 19:00:00 | 77 | 7425.0 | 880.0 | 0.0 | -880.0 | 11.85 | 0.00 | -3.730 | 0.000000 |
| Alephata 220kV | 07/01/2020 19:15:00 | 78 | 7425.0 | 852.5 | 0.0 | -852.5 | 11.48 | 0.00 | -4.715 | 0.000000 |
| Alephata 220kV | 07/01/2020 19:30:00 | 79 | 7425.0 | 912.5 | 0.0 | -912.5 | 12.29 | 0.00 | -4.058 | 0.000000 |
| Alephata 220kV | 07/01/2020 19:45:00 | 80 | 7425.0 | 927.5 | 0.0 | -927.5 | 12.49 | 0.00 | -2.210 | 0.000000 |
| Alephata 220kV | 07/01/2020 20:00:00 | 81 | 7425.0 | 965.0 | 0.0 | -965.0 | 13.0 | 0.00 | -2.348 | 0.000000 |
| Alephata 220kV | 07/01/2020 20:15:00 | 82 | 7425.0 | 960.0 | 0.0 | -960.0 | 12.93 | 0.00 | 4.387 | 1498.225948 |
| Alephata 220kV | 07/01/2020 20:30:00 | 83 | 7425.0 | 935.0 | 0.0 | -935.0 | 12.59 | 0.00 | 3.816 | 1908.044290 |
| Alephata 220kV | 07/01/2020 20:45:00 | 84 | 7425.0 | 922.5 | 0.0 | -922.5 | 12.42 | 0.00 | 3.401 | 453.257479 |
| Alephata 220kV | 07/01/2020 21:00:00 | 85 | 7425.0 | 930.0 | 0.0 | -930.0 | 12.53 | 0.00 | -4.058 | 0.000000 |
| Alephata 220kV | 07/01/2020 21:15:00 | 86 | 7425.0 | 830.0 | 0.0 | -830.0 | 11.18 | 0.00 | 1.647 | 439.929135 |
| Alephata 220kV | 07/01/2020 21:30:00 | 87 | 7425.0 | 1022.5 | 0.0 | -1022.5 | 13.77 | 0.00 | 2.196 | 326.058919 |
| Alephata 220kV | 07/01/2020 21:45:00 | 88 | 7425.0 | 830.0 | 0.0 | -830.0 | 11.18 | 0.00 | -2.196 | 0.000000 |
| Alephata 220kV | 07/01/2020 22:00:00 | 89 | 7425.0 | 887.5 | 0.0 | -887.5 | 11.95 | 0.00 | -3.257 | 0.000000 |
| Alephata 220kV | 07/01/2020 22:15:00 | 90 | 7425.0 | 912.5 | 0.0 | -912.5 | 12.29 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Alephata 220kV | 07/01/2020 22:30:00 | 91 | 7425.0 | 947.5 | 0.0 | -947.5 | 12.76 | 0.00 | -1.098 | 0.000000 |
| Alephata 220kV | 07/01/2020 22:45:00 | 92 | 7425.0 | 807.5 | 0.0 | -807.5 | 10.88 | 0.00 | -1.647 | 0.000000 |
| Alephata 220kV | 07/01/2020 23:00:00 | 93 | 7425.0 | 845.0 | 0.0 | -845.0 | 11.38 | 0.00 | -3.401 | 0.000000 |
| Alephata 220kV | 07/01/2020 23:15:00 | 94 | 7425.0 | 847.5 | 0.0 | -847.5 | 11.41 | 0.00 | 1.647 | 0.000000 |
| Alephata 220kV | 07/01/2020 23:30:00 | 95 | 7425.0 | 1047.5 | 0.0 | -1047.5 | 14.11 | 0.00 | -2.196 | 0.000000 |
| Alephata 220kV | 07/01/2020 23:45:00 | 96 | 7425.0 | 875.0 | 0.0 | -875.0 | 11.78 | 0.00 | -0.549 | 0.000000 |
| Alephata 220kV | 08/01/2020 00:00:00 | 1 | 7425.0 | 892.5 | 0.0 | -892.5 | 12.02 | 0.00 | -2.220 | 0.000000 |
| Alephata 220kV | 08/01/2020 00:15:00 | 2 | 7425.0 | 917.5 | 0.0 | -917.5 | 12.36 | 0.00 | -3.101 | 0.000000 |
| Alephata 220kV | 08/01/2020 00:30:00 | 3 | 7425.0 | 915.0 | 0.0 | -915.0 | 12.32 | 0.00 | -3.101 | 0.000000 |
| Alephata 220kV | 08/01/2020 00:45:00 | 4 | 7425.0 | 1072.5 | 0.0 | -1072.5 | 14.44 | 0.00 | -2.424 | 0.000000 |
| Alephata 220kV | 08/01/2020 01:00:00 | 5 | 7425.0 | 1115.0 | 0.0 | -1115.0 | 15.02 | 0.63 | -2.170 | 0.000000 |
| Alephata 220kV | 08/01/2020 01:15:00 | 6 | 7425.0 | 1065.0 | 0.0 | -1065.0 | 14.34 | 0.00 | -1.761 | 0.000000 |
| Alephata 220kV | 08/01/2020 01:30:00 | 7 | 7425.0 | 932.5 | 0.0 | -932.5 | 12.56 | 0.00 | -1.665 | 0.000000 |
| Alephata 220kV | 08/01/2020 01:45:00 | 8 | 7425.0 | 1040.0 | 0.0 | -1040.0 | 14.01 | 0.00 | -1.665 | 0.000000 |
| Alephata 220kV | 08/01/2020 02:00:00 | 9 | 7425.0 | 812.5 | 0.0 | -812.5 | 10.94 | 0.00 | -1.110 | 0.000000 |
| Alephata 220kV | 08/01/2020 02:15:00 | 10 | 7425.0 | 1040.0 | 0.0 | -1040.0 | 14.01 | 0.00 | -1.347 | 0.000000 |
| Alephata 220kV | 08/01/2020 02:30:00 | 11 | 7425.0 | 965.0 | 0.0 | -965.0 | 13.0 | 0.00 | -3.101 | 0.000000 |
| Alephata 220kV | 08/01/2020 02:45:00 | 12 | 7425.0 | 897.5 | 0.0 | -897.5 | 12.09 | 0.00 | -2.220 | 0.000000 |
| Alephata 220kV | 08/01/2020 03:00:00 | 13 | 7425.0 | 895.0 | 0.0 | -895.0 | 12.05 | 0.00 | -3.428 | 0.000000 |
| Alephata 220kV | 08/01/2020 03:15:00 | 14 | 7425.0 | 1007.5 | 0.0 | -1007.5 | 13.57 | 0.00 | -2.220 | 0.000000 |
| Alephata 220kV | 08/01/2020 03:30:00 | 15 | 7425.0 | 890.0 | 0.0 | -890.0 | 11.99 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Alephata 220kV | 08/01/2020 03:45:00 | 16 | 7425.0 | 937.5 | 0.0 | -937.5 | 12.63 | 0.00 | -2.775 | 0.000000 |
| Alephata 220kV | 08/01/2020 04:00:00 | 17 | 7425.0 | 852.5 | 0.0 | -852.5 | 11.48 | 0.00 | -3.101 | 0.000000 |
| Alephata 220kV | 08/01/2020 04:15:00 | 18 | 7425.0 | 1032.5 | 0.0 | -1032.5 | 13.91 | 0.00 | -1.665 | 0.000000 |
| Alephata 220kV | 08/01/2020 04:30:00 | 19 | 7425.0 | 847.5 | 0.0 | -847.5 | 11.41 | 0.00 | -2.220 | 0.000000 |
| Alephata 220kV | 08/01/2020 04:45:00 | 20 | 7425.0 | 1012.5 | 0.0 | -1012.5 | 13.64 | 0.00 | -2.775 | 0.000000 |
| Alephata 220kV | 08/01/2020 05:00:00 | 21 | 7425.0 | 817.5 | 0.0 | -817.5 | 11.01 | 0.00 | -1.110 | 0.000000 |
| Alephata 220kV | 08/01/2020 05:15:00 | 22 | 7425.0 | 905.0 | 0.0 | -905.0 | 12.19 | 0.00 | 2.775 | 43.610191 |
| Alephata 220kV | 08/01/2020 05:30:00 | 23 | 7425.0 | 867.5 | 0.0 | -867.5 | 11.68 | 0.00 | -3.428 | 0.000000 |
| Alephata 220kV | 08/01/2020 05:45:00 | 24 | 7425.0 | 1012.5 | 0.0 | -1012.5 | 13.64 | 0.00 | -2.775 | 0.000000 |
| Alephata 220kV | 08/01/2020 06:00:00 | 25 | 7425.0 | 1000.0 | 0.0 | -1000.0 | 13.47 | 0.00 | -2.220 | 0.000000 |
| Alephata 220kV | 08/01/2020 06:15:00 | 26 | 7425.0 | 802.5 | 0.0 | -802.5 | 10.81 | 0.00 | 2.220 | 164.307798 |
| Alephata 220kV | 08/01/2020 06:30:00 | 27 | 7425.0 | 907.5 | 0.0 | -907.5 | 12.22 | 0.00 | 5.387 | 1633.465751 |
| Alephata 220kV | 08/01/2020 06:45:00 | 28 | 7425.0 | 1022.5 | 0.0 | -1022.5 | 13.77 | 0.00 | -4.734 | 0.000000 |
| Alephata 220kV | 08/01/2020 07:00:00 | 29 | 7425.0 | 960.0 | 0.0 | -960.0 | 12.93 | 0.00 | -4.407 | 0.000000 |
| Alephata 220kV | 08/01/2020 07:15:00 | 30 | 7425.0 | 860.0 | 0.0 | -860.0 | 11.58 | 0.00 | 5.061 | 1515.821952 |
| Alephata 220kV | 08/01/2020 07:30:00 | 31 | 7425.0 | 820.0 | 0.0 | -820.0 | 11.04 | 0.00 | 5.714 | 1382.930165 |
| Alephata 220kV | 08/01/2020 07:45:00 | 32 | 7425.0 | 965.0 | 0.0 | -965.0 | 13.0 | 0.00 | 5.061 | 639.828159 |
| Alephata 220kV | 08/01/2020 08:00:00 | 33 | 7425.0 | 865.0 | 0.0 | -865.0 | 11.65 | 0.00 | 2.775 | 0.000000 |
| Alephata 220kV | 08/01/2020 08:15:00 | 34 | 7425.0 | 922.5 | 0.0 | -922.5 | 12.42 | 0.00 | 2.775 | 0.000000 |
| Alephata 220kV | 08/01/2020 08:30:00 | 35 | 7425.0 | 1005.0 | 0.0 | -1005.0 | 13.54 | 0.00 | 5.387 | 0.000000 |
| Alephata 220kV | 08/01/2020 08:45:00 | 36 | 7425.0 | 822.5 | 0.0 | -822.5 | 11.08 | 0.00 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Alephata 220kV | 08/01/2020 09:00:00 | 37 | 7425.0 | 965.0 | 0.0 | -965.0 | 13.0 | 0.00 | 7.673 | 0.000000 |
| Alephata 220kV | 08/01/2020 09:15:00 | 38 | 7425.0 | 870.0 | 0.0 | -870.0 | 11.72 | 0.00 | 7.673 | 0.000000 |
| Alephata 220kV | 08/01/2020 09:30:00 | 39 | 7425.0 | 882.5 | 0.0 | -882.5 | 11.89 | 0.00 | 3.101 | 0.000000 |
| Alephata 220kV | 08/01/2020 09:45:00 | 40 | 7425.0 | 945.0 | 0.0 | -945.0 | 12.73 | 0.00 | -3.101 | 0.000000 |
| Alephata 220kV | 08/01/2020 10:00:00 | 41 | 7425.0 | 1015.0 | 0.0 | -1015.0 | 13.67 | 0.00 | -3.101 | 0.000000 |
| Alephata 220kV | 08/01/2020 10:15:00 | 42 | 7425.0 | 955.0 | 0.0 | -955.0 | 12.86 | 0.00 | -3.101 | 0.000000 |
| Alephata 220kV | 08/01/2020 10:30:00 | 43 | 7425.0 | 1015.0 | 0.0 | -1015.0 | 13.67 | 0.00 | -1.665 | 0.000000 |
| Alephata 220kV | 08/01/2020 10:45:00 | 44 | 7425.0 | 827.5 | 0.0 | -827.5 | 11.14 | 0.00 | 0.000 | 0.000000 |
| Alephata 220kV | 08/01/2020 11:00:00 | 45 | 7425.0 | 805.0 | 0.0 | -805.0 | 10.84 | 0.00 | -1.486 | 0.000000 |
| Alephata 220kV | 08/01/2020 11:15:00 | 46 | 7425.0 | 1040.0 | 0.0 | -1040.0 | 14.01 | 0.00 | -1.305 | 0.000000 |
| Alephata 220kV | 08/01/2020 11:30:00 | 47 | 7425.0 | 932.5 | 0.0 | -932.5 | 12.56 | 0.00 | -2.425 | 0.000000 |
| Alephata 220kV | 08/01/2020 11:45:00 | 48 | 7425.0 | 1022.5 | 0.0 | -1022.5 | 13.77 | 0.00 | -2.775 | 0.000000 |
| Alephata 220kV | 08/01/2020 12:00:00 | 49 | 7425.0 | 902.5 | 0.0 | -902.5 | 12.15 | 0.00 | -2.083 | 0.000000 |
| Alephata 220kV | 08/01/2020 12:15:00 | 50 | 7425.0 | 922.5 | 0.0 | -922.5 | 12.42 | 0.00 | -3.242 | 0.000000 |
| Alephata 220kV | 08/01/2020 12:30:00 | 51 | 7425.0 | 1002.5 | 0.0 | -1002.5 | 13.5 | 0.00 | -1.330 | 0.000000 |
| Alephata 220kV | 08/01/2020 12:45:00 | 52 | 7425.0 | 832.5 | 0.0 | -832.5 | 11.21 | 0.00 | -0.830 | 0.000000 |
| Alephata 220kV | 08/01/2020 13:00:00 | 53 | 7425.0 | 812.5 | 0.0 | -812.5 | 10.94 | 0.00 | 2.775 | 0.000000 |
| Alephata 220kV | 08/01/2020 13:15:00 | 54 | 7425.0 | 987.5 | 0.0 | -987.5 | 13.3 | 0.00 | 0.000 | 0.000000 |
| Alephata 220kV | 08/01/2020 13:30:00 | 55 | 7425.0 | 840.0 | 0.0 | -840.0 | 11.31 | 0.00 | -1.012 | 0.000000 |
| Alephata 220kV | 08/01/2020 13:45:00 | 56 | 7425.0 | 912.5 | 0.0 | -912.5 | 12.29 | 0.00 | -1.087 | 0.000000 |
| Alephata 220kV | 08/01/2020 14:00:00 | 57 | 7425.0 | 897.5 | 0.0 | -897.5 | 12.09 | 0.00 | -3.101 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Alephata 220kV | 08/01/2020 14:15:00 | 58 | 7425.0 | 860.0 | 0.0 | -860.0 | 11.58 | 0.00 | -4.081 | 0.000000 |
| Alephata 220kV | 08/01/2020 14:30:00 | 59 | 7425.0 | 862.5 | 0.0 | -862.5 | 11.62 | 0.00 | -2.996 | 0.000000 |
| Alephata 220kV | 08/01/2020 14:45:00 | 60 | 7425.0 | 965.0 | 0.0 | -965.0 | 13.0 | 0.00 | -3.101 | 0.000000 |
| Alephata 220kV | 08/01/2020 15:00:00 | 61 | 7425.0 | 982.5 | 0.0 | -982.5 | 13.23 | 0.00 | -1.879 | 0.000000 |
| Alephata 220kV | 08/01/2020 15:15:00 | 62 | 7425.0 | 837.5 | 0.0 | -837.5 | 11.28 | 0.00 | -4.081 | 0.000000 |
| Alephata 220kV | 08/01/2020 15:30:00 | 63 | 7425.0 | 932.5 | 0.0 | -932.5 | 12.56 | 0.00 | 4.938 | 0.000000 |
| Alephata 220kV | 08/01/2020 15:45:00 | 64 | 7425.0 | 865.0 | 0.0 | -865.0 | 11.65 | 0.00 | 4.719 | 0.000000 |
| Alephata 220kV | 08/01/2020 16:00:00 | 65 | 7425.0 | 987.5 | 0.0 | -987.5 | 13.3 | 0.00 | 0.555 | 0.000000 |
| Alephata 220kV | 08/01/2020 16:15:00 | 66 | 7425.0 | 980.0 | 0.0 | -980.0 | 13.2 | 0.00 | -4.081 | 0.000000 |
| Alephata 220kV | 08/01/2020 16:30:00 | 67 | 7425.0 | 875.0 | 0.0 | -875.0 | 11.78 | 0.00 | -3.754 | 0.000000 |
| Alephata 220kV | 08/01/2020 16:45:00 | 68 | 7425.0 | 1010.0 | 0.0 | -1010.0 | 13.6 | 0.00 | -8.000 | 0.000000 |
| Alephata 220kV | 08/01/2020 17:00:00 | 69 | 7425.0 | 982.5 | 0.0 | -982.5 | 13.23 | 0.00 | 0.000 | 0.000000 |
| Alephata 220kV | 08/01/2020 17:15:00 | 70 | 7425.0 | 815.0 | 0.0 | -815.0 | 10.98 | 0.00 | 4.081 | 156.337692 |
| Alephata 220kV | 08/01/2020 17:30:00 | 71 | 7425.0 | 1612.5 | 0.0 | -1612.5 | 21.72 | 249.38 | -5.387 | 0.000000 |
| Alephata 220kV | 08/01/2020 17:45:00 | 72 | 7425.0 | 1612.5 | 0.0 | -1612.5 | 21.72 | 249.38 | -3.101 | 0.000000 |
| Alephata 220kV | 08/01/2020 18:00:00 | 73 | 7425.0 | 1580.0 | 0.0 | -1580.0 | 21.28 | 233.13 | -2.775 | 0.000000 |
| Alephata 220kV | 08/01/2020 18:15:00 | 74 | 7425.0 | 1560.0 | 0.0 | -1560.0 | 21.01 | 223.13 | -3.101 | 0.000000 |
| Alephata 220kV | 08/01/2020 18:30:00 | 75 | 7425.0 | 1362.5 | 0.0 | -1362.5 | 18.35 | 124.38 | -2.220 | 0.000000 |
| Alephata 220kV | 08/01/2020 18:45:00 | 76 | 7425.0 | 1280.0 | 0.0 | -1280.0 | 17.24 | 83.13 | 2.220 | 1008.991456 |
| Alephata 220kV | 08/01/2020 19:00:00 | 77 | 7425.0 | 1112.5 | 0.0 | -1112.5 | 14.98 | 0.00 | 1.110 | 0.000000 |
| Alephata 220kV | 08/01/2020 19:15:00 | 78 | 7425.0 | 1195.0 | 0.0 | -1195.0 | 16.09 | 40.63 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Alephata 220kV | 08/01/2020 19:30:00 | 79 | 7425.0 | 1412.5 | 0.0 | -1412.5 | 19.02 | 149.38 | -2.220 | 0.000000 |
| Alephata 220kV | 08/01/2020 19:45:00 | 80 | 7425.0 | 1427.5 | 0.0 | -1427.5 | 19.23 | 156.88 | -0.555 | 0.000000 |
| Alephata 220kV | 08/01/2020 20:00:00 | 81 | 7425.0 | 1465.0 | 0.0 | -1465.0 | 19.73 | 175.63 | 2.775 | 0.000000 |
| Alephata 220kV | 08/01/2020 20:15:00 | 82 | 7425.0 | 1460.0 | 0.0 | -1460.0 | 19.66 | 173.13 | 3.101 | 2441.238886 |
| Alephata 220kV | 08/01/2020 20:30:00 | 83 | 7425.0 | 1435.0 | 0.0 | -1435.0 | 19.33 | 160.63 | 4.408 | 3250.574739 |
| Alephata 220kV | 08/01/2020 20:45:00 | 84 | 7425.0 | 1422.5 | 0.0 | -1422.5 | 19.16 | 154.38 | 3.101 | 930.883911 |
| Alephata 220kV | 08/01/2020 21:00:00 | 85 | 7425.0 | 1430.0 | 0.0 | -1430.0 | 19.26 | 158.13 | 3.101 | 0.000000 |
| Alephata 220kV | 08/01/2020 21:15:00 | 86 | 7425.0 | 1305.0 | 0.0 | -1305.0 | 17.58 | 95.63 | -0.555 | 0.000000 |
| Alephata 220kV | 08/01/2020 21:30:00 | 87 | 7425.0 | 1497.5 | 0.0 | -1497.5 | 20.17 | 191.88 | -1.110 | 0.000000 |
| Alephata 220kV | 08/01/2020 21:45:00 | 88 | 7425.0 | 1305.0 | 0.0 | -1305.0 | 17.58 | 95.63 | -1.110 | 0.000000 |
| Alephata 220kV | 08/01/2020 22:00:00 | 89 | 7425.0 | 1362.5 | 0.0 | -1362.5 | 18.35 | 124.38 | -2.489 | 0.000000 |
| Alephata 220kV | 08/01/2020 22:15:00 | 90 | 7425.0 | 1387.5 | 0.0 | -1387.5 | 18.69 | 136.88 | -2.775 | 0.000000 |
| Alephata 220kV | 08/01/2020 22:30:00 | 91 | 7425.0 | 1422.5 | 0.0 | -1422.5 | 19.16 | 154.38 | -2.223 | 0.000000 |
| Alephata 220kV | 08/01/2020 22:45:00 | 92 | 7425.0 | 1282.5 | 0.0 | -1282.5 | 17.27 | 84.38 | 1.110 | 0.000000 |
| Alephata 220kV | 08/01/2020 23:00:00 | 93 | 7425.0 | 1320.0 | 0.0 | -1320.0 | 17.78 | 103.13 | 1.110 | 140.924529 |
| Alephata 220kV | 08/01/2020 23:15:00 | 94 | 7425.0 | 1322.5 | 0.0 | -1322.5 | 17.81 | 104.38 | 1.110 | 0.000000 |
| Alephata 220kV | 08/01/2020 23:30:00 | 95 | 7425.0 | 1280.0 | 0.0 | -1280.0 | 17.24 | 83.13 | 2.775 | 11.635865 |
| Alephata 220kV | 08/01/2020 23:45:00 | 96 | 7425.0 | 1062.5 | 0.0 | -1062.5 | 14.31 | 0.00 | 0.000 | 0.000000 |
| Alephata 220kV | 09/01/2020 00:00:00 | 1 | 7425.0 | 892.5 | 0.0 | -892.5 | 12.02 | 0.00 | -0.576 | 0.000000 |
| Alephata 220kV | 09/01/2020 00:15:00 | 2 | 7425.0 | 917.5 | 0.0 | -917.5 | 12.36 | 0.00 | -1.727 | 0.000000 |
| Alephata 220kV | 09/01/2020 00:30:00 | 3 | 7425.0 | 915.0 | 0.0 | -915.0 | 12.32 | 0.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Alephata 220kV | 09/01/2020 00:45:00 | 4 | 7425.0 | 1072.5 | 0.0 | -1072.5 | 14.44 | 0.00 | -2.879 | 0.000000 |
| Alephata 220kV | 09/01/2020 01:00:00 | 5 | 7425.0 | 1115.0 | 0.0 | -1115.0 | 15.02 | 0.63 | -3.519 | 0.000000 |
| Alephata 220kV | 09/01/2020 01:15:00 | 6 | 7425.0 | 1065.0 | 0.0 | -1065.0 | 14.34 | 0.00 | -3.519 | 0.000000 |
| Alephata 220kV | 09/01/2020 01:30:00 | 7 | 7425.0 | 932.5 | 0.0 | -932.5 | 12.56 | 0.00 | -3.199 | 0.000000 |
| Alephata 220kV | 09/01/2020 01:45:00 | 8 | 7425.0 | 1040.0 | 0.0 | -1040.0 | 14.01 | 0.00 | 3.519 | 252.707037 |
| Alephata 220kV | 09/01/2020 02:00:00 | 9 | 7425.0 | 812.5 | 0.0 | -812.5 | 10.94 | 0.00 | 3.519 | 894.487711 |
| Alephata 220kV | 09/01/2020 02:15:00 | 10 | 7425.0 | 1040.0 | 0.0 | -1040.0 | 14.01 | 0.00 | 2.879 | 502.150817 |
| Alephata 220kV | 09/01/2020 02:30:00 | 11 | 7425.0 | 965.0 | 0.0 | -965.0 | 13.0 | 0.00 | 3.199 | 670.373176 |
| Alephata 220kV | 09/01/2020 02:45:00 | 12 | 7425.0 | 897.5 | 0.0 | -897.5 | 12.09 | 0.00 | 1.152 | 0.000000 |
| Alephata 220kV | 09/01/2020 03:00:00 | 13 | 7425.0 | 895.0 | 0.0 | -895.0 | 12.05 | 0.00 | -2.879 | 0.000000 |
| Alephata 220kV | 09/01/2020 03:15:00 | 14 | 7425.0 | 1007.5 | 0.0 | -1007.5 | 13.57 | 0.00 | -3.839 | 0.000000 |
| Alephata 220kV | 09/01/2020 03:30:00 | 15 | 7425.0 | 890.0 | 0.0 | -890.0 | 11.99 | 0.00 | 3.199 | 0.000000 |
| Alephata 220kV | 09/01/2020 03:45:00 | 16 | 7425.0 | 937.5 | 0.0 | -937.5 | 12.63 | 0.00 | 0.000 | 0.000000 |
| Alephata 220kV | 09/01/2020 04:00:00 | 17 | 7425.0 | 852.5 | 0.0 | -852.5 | 11.48 | 0.00 | 1.727 | 0.000000 |
| Alephata 220kV | 09/01/2020 04:15:00 | 18 | 7425.0 | 1032.5 | 0.0 | -1032.5 | 13.91 | 0.00 | 1.727 | 0.000000 |
| Alephata 220kV | 09/01/2020 04:30:00 | 19 | 7425.0 | 847.5 | 0.0 | -847.5 | 11.41 | 0.00 | 1.727 | 0.000000 |
| Alephata 220kV | 09/01/2020 04:45:00 | 20 | 7425.0 | 1012.5 | 0.0 | -1012.5 | 13.64 | 0.00 | 2.879 | 872.582697 |
| Alephata 220kV | 09/01/2020 05:00:00 | 21 | 7425.0 | 817.5 | 0.0 | -817.5 | 11.01 | 0.00 | 3.839 | 408.078576 |
| Alephata 220kV | 09/01/2020 05:15:00 | 22 | 7425.0 | 905.0 | 0.0 | -905.0 | 12.19 | 0.00 | 5.119 | 1277.409955 |
| Alephata 220kV | 09/01/2020 05:30:00 | 23 | 7425.0 | 867.5 | 0.0 | -867.5 | 11.68 | 0.00 | 4.064 | 2231.560358 |
| Alephata 220kV | 09/01/2020 05:45:00 | 24 | 7425.0 | 1012.5 | 0.0 | -1012.5 | 13.64 | 0.00 | 1.152 | 7.143027 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Alephata 220kV | 09/01/2020 06:00:00 | 25 | 7425.0 | 1000.0 | 0.0 | -1000.0 | 13.47 | 0.00 | -2.303 | 0.000000 |
| Alephata 220kV | 09/01/2020 06:15:00 | 26 | 7425.0 | 802.5 | 0.0 | -802.5 | 10.81 | 0.00 | 2.303 | 533.782166 |
| Alephata 220kV | 09/01/2020 06:30:00 | 27 | 7425.0 | 907.5 | 0.0 | -907.5 | 12.22 | 0.00 | -3.839 | 0.000000 |
| Alephata 220kV | 09/01/2020 06:45:00 | 28 | 7425.0 | 1022.5 | 0.0 | -1022.5 | 13.77 | 0.00 | -2.879 | 0.000000 |
| Alephata 220kV | 09/01/2020 07:00:00 | 29 | 7425.0 | 960.0 | 0.0 | -960.0 | 12.93 | 0.00 | -2.879 | 0.000000 |
| Alephata 220kV | 09/01/2020 07:15:00 | 30 | 7425.0 | 860.0 | 0.0 | -860.0 | 11.58 | 0.00 | 6.400 | 427.855779 |
| Alephata 220kV | 09/01/2020 07:30:00 | 31 | 7425.0 | 820.0 | 0.0 | -820.0 | 11.04 | 0.00 | 1.172 | 0.000000 |
| Alephata 220kV | 09/01/2020 07:45:00 | 32 | 7425.0 | 965.0 | 0.0 | -965.0 | 13.0 | 0.00 | 0.576 | 0.000000 |
| Alephata 220kV | 09/01/2020 08:00:00 | 33 | 7425.0 | 865.0 | 0.0 | -865.0 | 11.65 | 0.00 | -0.576 | 0.000000 |
| Alephata 220kV | 09/01/2020 08:15:00 | 34 | 7425.0 | 922.5 | 0.0 | -922.5 | 12.42 | 0.00 | -1.152 | 0.000000 |
| Alephata 220kV | 09/01/2020 08:30:00 | 35 | 7425.0 | 1005.0 | 0.0 | -1005.0 | 13.54 | 0.00 | 0.576 | 0.000000 |
| Alephata 220kV | 09/01/2020 08:45:00 | 36 | 7425.0 | 822.5 | 0.0 | -822.5 | 11.08 | 0.00 | 0.000 | 0.000000 |
| Alephata 220kV | 09/01/2020 09:00:00 | 37 | 7425.0 | 965.0 | 0.0 | -965.0 | 13.0 | 0.00 | 1.152 | 0.000000 |
| Alephata 220kV | 09/01/2020 09:15:00 | 38 | 7425.0 | 870.0 | 0.0 | -870.0 | 11.72 | 0.00 | 1.727 | 0.000000 |
| Alephata 220kV | 09/01/2020 09:30:00 | 39 | 7425.0 | 882.5 | 0.0 | -882.5 | 11.89 | 0.00 | -3.839 | 0.000000 |
| Alephata 220kV | 09/01/2020 09:45:00 | 40 | 7425.0 | 945.0 | 0.0 | -945.0 | 12.73 | 0.00 | -1.152 | 0.000000 |
| Alephata 220kV | 09/01/2020 10:00:00 | 41 | 7425.0 | 1015.0 | 0.0 | -1015.0 | 13.67 | 0.00 | 0.000 | 0.000000 |
| Alephata 220kV | 09/01/2020 10:15:00 | 42 | 7425.0 | 955.0 | 0.0 | -955.0 | 12.86 | 0.00 | 1.727 | 0.000000 |
| Alephata 220kV | 09/01/2020 10:30:00 | 43 | 7425.0 | 1015.0 | 0.0 | -1015.0 | 13.67 | 0.00 | 2.303 | 0.000000 |
| Alephata 220kV | 09/01/2020 10:45:00 | 44 | 7425.0 | 827.5 | 0.0 | -827.5 | 11.14 | 0.00 | -1.144 | 0.000000 |
| Alephata 220kV | 09/01/2020 11:00:00 | 45 | 7425.0 | 805.0 | 0.0 | -805.0 | 10.84 | 0.00 | -4.479 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Alephata 220kV | 09/01/2020 11:15:00 | 46 | 7425.0 | 1040.0 | 0.0 | -1040.0 | 14.01 | 0.00 | -3.519 | 0.000000 |
| Alephata 220kV | 09/01/2020 11:30:00 | 47 | 7425.0 | 932.5 | 0.0 | -932.5 | 12.56 | 0.00 | -2.303 | 0.000000 |
| Alephata 220kV | 09/01/2020 11:45:00 | 48 | 7425.0 | 1022.5 | 0.0 | -1022.5 | 13.77 | 0.00 | -0.576 | 0.000000 |
| Alephata 220kV | 09/01/2020 12:00:00 | 49 | 7425.0 | 902.5 | 0.0 | -902.5 | 12.15 | 0.00 | 0.000 | 0.000000 |
| Alephata 220kV | 09/01/2020 12:15:00 | 50 | 7425.0 | 922.5 | 0.0 | -922.5 | 12.42 | 0.00 | 3.839 | 0.000000 |
| Alephata 220kV | 09/01/2020 12:30:00 | 51 | 7425.0 | 1002.5 | 0.0 | -1002.5 | 13.5 | 0.00 | 3.199 | 0.000000 |
| Alephata 220kV | 09/01/2020 12:45:00 | 52 | 7425.0 | 832.5 | 0.0 | -832.5 | 11.21 | 0.00 | 3.199 | 0.000000 |
| Alephata 220kV | 09/01/2020 13:00:00 | 53 | 7425.0 | 812.5 | 0.0 | -812.5 | 10.94 | 0.00 | -1.152 | 0.000000 |
| Alephata 220kV | 09/01/2020 13:15:00 | 54 | 7425.0 | 987.5 | 0.0 | -987.5 | 13.3 | 0.00 | -1.152 | 0.000000 |
| Alephata 220kV | 09/01/2020 13:30:00 | 55 | 7425.0 | 840.0 | 0.0 | -840.0 | 11.31 | 0.00 | 1.727 | 0.000000 |
| Alephata 220kV | 09/01/2020 13:45:00 | 56 | 7425.0 | 912.5 | 0.0 | -912.5 | 12.29 | 0.00 | 3.199 | 0.000000 |
| Alephata 220kV | 09/01/2020 14:00:00 | 57 | 7425.0 | 897.5 | 0.0 | -897.5 | 12.09 | 0.00 | 4.345 | 0.000000 |
| Alephata 220kV | 09/01/2020 14:15:00 | 58 | 7425.0 | 860.0 | 0.0 | -860.0 | 11.58 | 0.00 | 3.941 | 0.000000 |
| Alephata 220kV | 09/01/2020 14:30:00 | 59 | 7425.0 | 862.5 | 0.0 | -862.5 | 11.62 | 0.00 | 1.152 | 0.000000 |
| Alephata 220kV | 09/01/2020 14:45:00 | 60 | 7425.0 | 965.0 | 0.0 | -965.0 | 13.0 | 0.00 | -0.576 | 0.000000 |
| Alephata 220kV | 09/01/2020 15:00:00 | 61 | 7425.0 | 982.5 | 0.0 | -982.5 | 13.23 | 0.00 | -1.006 | 0.000000 |
| Alephata 220kV | 09/01/2020 15:15:00 | 62 | 7425.0 | 837.5 | 0.0 | -837.5 | 11.28 | 0.00 | 3.199 | 0.000000 |
| Alephata 220kV | 09/01/2020 15:30:00 | 63 | 7425.0 | 932.5 | 0.0 | -932.5 | 12.56 | 0.00 | 2.879 | 0.000000 |
| Alephata 220kV | 09/01/2020 15:45:00 | 64 | 7425.0 | 865.0 | 0.0 | -865.0 | 11.65 | 0.00 | 3.839 | 0.000000 |
| Alephata 220kV | 09/01/2020 16:00:00 | 65 | 7425.0 | 987.5 | 0.0 | -987.5 | 13.3 | 0.00 | 1.727 | 0.000000 |
| Alephata 220kV | 09/01/2020 16:15:00 | 66 | 7425.0 | 980.0 | 0.0 | -980.0 | 13.2 | 0.00 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Alephata 220kV | 09/01/2020 16:30:00 | 67 | 7425.0 | 875.0 | 0.0 | -875.0 | 11.78 | 0.00 | -4.159 | 0.000000 |
| Alephata 220kV | 09/01/2020 16:45:00 | 68 | 7425.0 | 1010.0 | 0.0 | -1010.0 | 13.6 | 0.00 | 3.839 | 0.000000 |
| Alephata 220kV | 09/01/2020 17:00:00 | 69 | 7425.0 | 982.5 | 0.0 | -982.5 | 13.23 | 0.00 | 1.727 | 0.000000 |
| Alephata 220kV | 09/01/2020 17:15:00 | 70 | 7425.0 | 815.0 | 0.0 | -815.0 | 10.98 | 0.00 | 3.839 | 280.128345 |
| Alephata 220kV | 09/01/2020 17:30:00 | 71 | 7425.0 | 877.5 | 0.0 | -877.5 | 11.82 | 0.00 | -2.879 | 0.000000 |
| Alephata 220kV | 09/01/2020 17:45:00 | 72 | 7425.0 | 935.0 | 0.0 | -935.0 | 12.59 | 0.00 | -4.146 | 0.000000 |
| Alephata 220kV | 09/01/2020 18:00:00 | 73 | 7425.0 | 882.5 | 0.0 | -882.5 | 11.89 | 0.00 | -3.349 | 0.000000 |
| Alephata 220kV | 09/01/2020 18:15:00 | 74 | 7425.0 | 852.5 | 0.0 | -852.5 | 11.48 | 0.00 | -4.563 | 0.000000 |
| Alephata 220kV | 09/01/2020 18:30:00 | 75 | 7425.0 | 990.0 | 0.0 | -990.0 | 13.33 | 0.00 | -3.839 | 0.000000 |
| Alephata 220kV | 09/01/2020 18:45:00 | 76 | 7425.0 | 830.0 | 0.0 | -830.0 | 11.18 | 0.00 | -2.879 | 0.000000 |
| Alephata 220kV | 09/01/2020 19:00:00 | 77 | 7425.0 | 880.0 | 0.0 | -880.0 | 11.85 | 0.00 | -3.199 | 0.000000 |
| Alephata 220kV | 09/01/2020 19:15:00 | 78 | 7425.0 | 852.5 | 0.0 | -852.5 | 11.48 | 0.00 | -1.727 | 0.000000 |
| Alephata 220kV | 09/01/2020 19:30:00 | 79 | 7425.0 | 912.5 | 0.0 | -912.5 | 12.29 | 0.00 | -1.442 | 0.000000 |
| Alephata 220kV | 09/01/2020 19:45:00 | 80 | 7425.0 | 927.5 | 0.0 | -927.5 | 12.49 | 0.00 | -0.286 | 0.000000 |
| Alephata 220kV | 09/01/2020 20:00:00 | 81 | 7425.0 | 965.0 | 0.0 | -965.0 | 13.0 | 0.00 | -1.070 | 0.000000 |
| Alephata 220kV | 09/01/2020 20:15:00 | 82 | 7425.0 | 960.0 | 0.0 | -960.0 | 12.93 | 0.00 | -2.236 | 0.000000 |
| Alephata 220kV | 09/01/2020 20:30:00 | 83 | 7425.0 | 935.0 | 0.0 | -935.0 | 12.59 | 0.00 | -4.799 | 0.000000 |
| Alephata 220kV | 09/01/2020 20:45:00 | 84 | 7425.0 | 922.5 | 0.0 | -922.5 | 12.42 | 0.00 | -1.727 | 0.000000 |
| Alephata 220kV | 09/01/2020 21:00:00 | 85 | 7425.0 | 930.0 | 0.0 | -930.0 | 12.53 | 0.00 | -1.727 | 0.000000 |
| Alephata 220kV | 09/01/2020 21:15:00 | 86 | 7425.0 | 830.0 | 0.0 | -830.0 | 11.18 | 0.00 | 1.152 | 0.000000 |
| Alephata 220kV | 09/01/2020 21:30:00 | 87 | 7425.0 | 1022.5 | 0.0 | -1022.5 | 13.77 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Alephata 220kV | 09/01/2020 21:45:00 | 88 | 7425.0 | 830.0 | 0.0 | -830.0 | 11.18 | 0.00 | -2.303 | 0.000000 |
| Alephata 220kV | 09/01/2020 22:00:00 | 89 | 7425.0 | 887.5 | 0.0 | -887.5 | 11.95 | 0.00 | -2.795 | 0.000000 |
| Alephata 220kV | 09/01/2020 22:15:00 | 90 | 7425.0 | 912.5 | 0.0 | -912.5 | 12.29 | 0.00 | -3.674 | 0.000000 |
| Alephata 220kV | 09/01/2020 22:30:00 | 91 | 7425.0 | 947.5 | 0.0 | -947.5 | 12.76 | 0.00 | -2.303 | 0.000000 |
| Alephata 220kV | 09/01/2020 22:45:00 | 92 | 7425.0 | 807.5 | 0.0 | -807.5 | 10.88 | 0.00 | -1.152 | 0.000000 |
| Alephata 220kV | 09/01/2020 23:00:00 | 93 | 7425.0 | 845.0 | 0.0 | -845.0 | 11.38 | 0.00 | 0.000 | 0.000000 |
| Alephata 220kV | 09/01/2020 23:15:00 | 94 | 7425.0 | 847.5 | 0.0 | -847.5 | 11.41 | 0.00 | -0.576 | 0.000000 |
| Alephata 220kV | 09/01/2020 23:30:00 | 95 | 7425.0 | 1047.5 | 0.0 | -1047.5 | 14.11 | 0.00 | -0.576 | 0.000000 |
| Alephata 220kV | 09/01/2020 23:45:00 | 96 | 7425.0 | 875.0 | 0.0 | -875.0 | 11.78 | 0.00 | -0.987 | 0.000000 |
| Alephata 220kV | 10/01/2020 00:00:00 | 1 | 7425.0 | 880.0 | 0.0 | -880.0 | 11.85 | 0.00 | -0.680 | 0.000000 |
| Alephata 220kV | 10/01/2020 00:15:00 | 2 | 7425.0 | 905.0 | 0.0 | -905.0 | 12.19 | 0.00 | -3.326 | 0.000000 |
| Alephata 220kV | 10/01/2020 00:30:00 | 3 | 7425.0 | 902.5 | 0.0 | -902.5 | 12.15 | 0.00 | -2.992 | 0.000000 |
| Alephata 220kV | 10/01/2020 00:45:00 | 4 | 7425.0 | 1060.0 | 0.0 | -1060.0 | 14.28 | 0.00 | -0.532 | 0.000000 |
| Alephata 220kV | 10/01/2020 01:00:00 | 5 | 7425.0 | 1102.5 | 0.0 | -1102.5 | 14.85 | 0.00 | -0.713 | 0.000000 |
| Alephata 220kV | 10/01/2020 01:15:00 | 6 | 7425.0 | 1052.5 | 0.0 | -1052.5 | 14.18 | 0.00 | -0.548 | 0.000000 |
| Alephata 220kV | 10/01/2020 01:30:00 | 7 | 7425.0 | 920.0 | 0.0 | -920.0 | 12.39 | 0.00 | -2.658 | 0.000000 |
| Alephata 220kV | 10/01/2020 01:45:00 | 8 | 7425.0 | 1027.5 | 0.0 | -1027.5 | 13.84 | 0.00 | 2.127 | 0.000000 |
| Alephata 220kV | 10/01/2020 02:00:00 | 9 | 7425.0 | 800.0 | 0.0 | -800.0 | 10.77 | 0.00 | 5.342 | 1567.495964 |
| Alephata 220kV | 10/01/2020 02:15:00 | 10 | 7425.0 | 1027.5 | 0.0 | -1027.5 | 13.84 | 0.00 | 1.595 | 0.000000 |
| Alephata 220kV | 10/01/2020 02:30:00 | 11 | 7425.0 | 952.5 | 0.0 | -952.5 | 12.83 | 0.00 | 3.326 | 0.000000 |
| Alephata 220kV | 10/01/2020 02:45:00 | 12 | 7425.0 | 885.0 | 0.0 | -885.0 | 11.92 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Alephata 220kV | 10/01/2020 03:00:00 | 13 | 7425.0 | 882.5 | 0.0 | -882.5 | 11.89 | 0.00 | 2.658 | 0.000000 |
| Alephata 220kV | 10/01/2020 03:15:00 | 14 | 7425.0 | 995.0 | 0.0 | -995.0 | 13.4 | 0.00 | 2.127 | 157.769974 |
| Alephata 220kV | 10/01/2020 03:30:00 | 15 | 7425.0 | 877.5 | 0.0 | -877.5 | 11.82 | 0.00 | 2.127 | 164.961825 |
| Alephata 220kV | 10/01/2020 03:45:00 | 16 | 7425.0 | 925.0 | 0.0 | -925.0 | 12.46 | 0.00 | -1.063 | 0.000000 |
| Alephata 220kV | 10/01/2020 04:00:00 | 17 | 7425.0 | 840.0 | 0.0 | -840.0 | 11.31 | 0.00 | 1.595 | 0.000000 |
| Alephata 220kV | 10/01/2020 04:15:00 | 18 | 7425.0 | 1020.0 | 0.0 | -1020.0 | 13.74 | 0.00 | 3.326 | 606.531723 |
| Alephata 220kV | 10/01/2020 04:30:00 | 19 | 7425.0 | 835.0 | 0.0 | -835.0 | 11.25 | 0.00 | 3.326 | 0.000000 |
| Alephata 220kV | 10/01/2020 04:45:00 | 20 | 7425.0 | 1000.0 | 0.0 | -1000.0 | 13.47 | 0.00 | 2.127 | 0.000000 |
| Alephata 220kV | 10/01/2020 05:00:00 | 21 | 7425.0 | 805.0 | 0.0 | -805.0 | 10.84 | 0.00 | 2.992 | 0.000000 |
| Alephata 220kV | 10/01/2020 05:15:00 | 22 | 7425.0 | 892.5 | 0.0 | -892.5 | 12.02 | 0.00 | 1.063 | 0.000000 |
| Alephata 220kV | 10/01/2020 05:30:00 | 23 | 7425.0 | 855.0 | 0.0 | -855.0 | 11.52 | 0.00 | -2.658 | 0.000000 |
| Alephata 220kV | 10/01/2020 05:45:00 | 24 | 7425.0 | 1000.0 | 0.0 | -1000.0 | 13.47 | 0.00 | 2.127 | 0.000000 |
| Alephata 220kV | 10/01/2020 06:00:00 | 25 | 7425.0 | 987.5 | 0.0 | -987.5 | 13.3 | 0.00 | -2.127 | 0.000000 |
| Alephata 220kV | 10/01/2020 06:15:00 | 26 | 7425.0 | 790.0 | 0.0 | -790.0 | 10.64 | 0.00 | 2.658 | 200.414272 |
| Alephata 220kV | 10/01/2020 06:30:00 | 27 | 7425.0 | 895.0 | 0.0 | -895.0 | 12.05 | 0.00 | -2.992 | 0.000000 |
| Alephata 220kV | 10/01/2020 06:45:00 | 28 | 7425.0 | 1010.0 | 0.0 | -1010.0 | 13.6 | 0.00 | -3.077 | 0.000000 |
| Alephata 220kV | 10/01/2020 07:00:00 | 29 | 7425.0 | 947.5 | 0.0 | -947.5 | 12.76 | 0.00 | -0.687 | 0.000000 |
| Alephata 220kV | 10/01/2020 07:15:00 | 30 | 7425.0 | 847.5 | 0.0 | -847.5 | 11.41 | 0.00 | -2.658 | 0.000000 |
| Alephata 220kV | 10/01/2020 07:30:00 | 31 | 7425.0 | 807.5 | 0.0 | -807.5 | 10.88 | 0.00 | -1.063 | 0.000000 |
| Alephata 220kV | 10/01/2020 07:45:00 | 32 | 7425.0 | 952.5 | 0.0 | -952.5 | 12.83 | 0.00 | -2.658 | 0.000000 |
| Alephata 220kV | 10/01/2020 08:00:00 | 33 | 7425.0 | 852.5 | 0.0 | -852.5 | 11.48 | 0.00 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Alephata 220kV | 10/01/2020 08:15:00 | 34 | 7425.0 | 910.0 | 0.0 | -910.0 | 12.26 | 0.00 | -4.661 | 0.000000 |
| Alephata 220kV | 10/01/2020 08:30:00 | 35 | 7425.0 | 992.5 | 0.0 | -992.5 | 13.37 | 0.00 | 5.663 | 0.000000 |
| Alephata 220kV | 10/01/2020 08:45:00 | 36 | 7425.0 | 810.0 | 0.0 | -810.0 | 10.91 | 0.00 | 4.328 | 0.000000 |
| Alephata 220kV | 10/01/2020 09:00:00 | 37 | 7425.0 | 952.5 | 0.0 | -952.5 | 12.83 | 0.00 | -4.995 | 0.000000 |
| Alephata 220kV | 10/01/2020 09:15:00 | 38 | 7425.0 | 857.5 | 0.0 | -857.5 | 11.55 | 0.00 | -4.327 | 0.000000 |
| Alephata 220kV | 10/01/2020 09:30:00 | 39 | 7425.0 | 870.0 | 0.0 | -870.0 | 11.72 | 0.00 | -2.127 | 0.000000 |
| Alephata 220kV | 10/01/2020 09:45:00 | 40 | 7425.0 | 932.5 | 0.0 | -932.5 | 12.56 | 0.00 | -1.152 | 0.000000 |
| Alephata 220kV | 10/01/2020 10:00:00 | 41 | 7425.0 | 1002.5 | 0.0 | -1002.5 | 13.5 | 0.00 | 0.000 | 0.000000 |
| Alephata 220kV | 10/01/2020 10:15:00 | 42 | 7425.0 | 942.5 | 0.0 | -942.5 | 12.69 | 0.00 | -0.532 | 0.000000 |
| Alephata 220kV | 10/01/2020 10:30:00 | 43 | 7425.0 | 1002.5 | 0.0 | -1002.5 | 13.5 | 0.00 | -1.063 | 0.000000 |
| Alephata 220kV | 10/01/2020 10:45:00 | 44 | 7425.0 | 815.0 | 0.0 | -815.0 | 10.98 | 0.00 | 0.000 | 0.000000 |
| Alephata 220kV | 10/01/2020 11:00:00 | 45 | 7425.0 | 792.5 | 0.0 | -792.5 | 10.67 | 0.00 | 2.658 | 0.000000 |
| Alephata 220kV | 10/01/2020 11:15:00 | 46 | 7425.0 | 1027.5 | 0.0 | -1027.5 | 13.84 | 0.00 | 0.000 | 0.000000 |
| Alephata 220kV | 10/01/2020 11:30:00 | 47 | 7425.0 | 920.0 | 0.0 | -920.0 | 12.39 | 0.00 | -1.595 | 0.000000 |
| Alephata 220kV | 10/01/2020 11:45:00 | 48 | 7425.0 | 1010.0 | 0.0 | -1010.0 | 13.6 | 0.00 | 2.992 | 0.000000 |
| Alephata 220kV | 10/01/2020 12:00:00 | 49 | 7425.0 | 890.0 | 0.0 | -890.0 | 11.99 | 0.00 | 0.000 | 0.000000 |
| Alephata 220kV | 10/01/2020 12:15:00 | 50 | 7425.0 | 910.0 | 0.0 | -910.0 | 12.26 | 0.00 | 2.127 | 0.000000 |
| Alephata 220kV | 10/01/2020 12:30:00 | 51 | 7425.0 | 990.0 | 0.0 | -990.0 | 13.33 | 0.00 | 1.595 | 0.000000 |
| Alephata 220kV | 10/01/2020 12:45:00 | 52 | 7425.0 | 820.0 | 0.0 | -820.0 | 11.04 | 0.00 | -1.063 | 0.000000 |
| Alephata 220kV | 10/01/2020 13:00:00 | 53 | 7425.0 | 800.0 | 0.0 | -800.0 | 10.77 | 0.00 | 2.658 | 0.000000 |
| Alephata 220kV | 10/01/2020 13:15:00 | 54 | 7425.0 | 975.0 | 0.0 | -975.0 | 13.13 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Alephata 220kV | 10/01/2020 13:30:00 | 55 | 7425.0 | 827.5 | 0.0 | -827.5 | 11.14 | 0.00 | 2.127 | 0.000000 |
| Alephata 220kV | 10/01/2020 13:45:00 | 56 | 7425.0 | 900.0 | 0.0 | -900.0 | 12.12 | 0.00 | -3.326 | 0.000000 |
| Alephata 220kV | 10/01/2020 14:00:00 | 57 | 7425.0 | 885.0 | 0.0 | -885.0 | 11.92 | 0.00 | -2.992 | 0.000000 |
| Alephata 220kV | 10/01/2020 14:15:00 | 58 | 7425.0 | 847.5 | 0.0 | -847.5 | 11.41 | 0.00 | 3.660 | 0.000000 |
| Alephata 220kV | 10/01/2020 14:30:00 | 59 | 7425.0 | 850.0 | 0.0 | -850.0 | 11.45 | 0.00 | -2.127 | 0.000000 |
| Alephata 220kV | 10/01/2020 14:45:00 | 60 | 7425.0 | 952.5 | 0.0 | -952.5 | 12.83 | 0.00 | -2.127 | 0.000000 |
| Alephata 220kV | 10/01/2020 15:00:00 | 61 | 7425.0 | 970.0 | 0.0 | -970.0 | 13.06 | 0.00 | 0.000 | 0.000000 |
| Alephata 220kV | 10/01/2020 15:15:00 | 62 | 7425.0 | 825.0 | 0.0 | -825.0 | 11.11 | 0.00 | -2.992 | 0.000000 |
| Alephata 220kV | 10/01/2020 15:30:00 | 63 | 7425.0 | 920.0 | 0.0 | -920.0 | 12.39 | 0.00 | -4.995 | 0.000000 |
| Alephata 220kV | 10/01/2020 15:45:00 | 64 | 7425.0 | 852.5 | 0.0 | -852.5 | 11.48 | 0.00 | -4.327 | 0.000000 |
| Alephata 220kV | 10/01/2020 16:00:00 | 65 | 7425.0 | 975.0 | 0.0 | -975.0 | 13.13 | 0.00 | -4.995 | 0.000000 |
| Alephata 220kV | 10/01/2020 16:15:00 | 66 | 7425.0 | 967.5 | 0.0 | -967.5 | 13.03 | 0.00 | -8.000 | 0.000000 |
| Alephata 220kV | 10/01/2020 16:30:00 | 67 | 7425.0 | 862.5 | 0.0 | -862.5 | 11.62 | 0.00 | -8.000 | 0.000000 |
| Alephata 220kV | 10/01/2020 16:45:00 | 68 | 7425.0 | 997.5 | 0.0 | -997.5 | 13.43 | 0.00 | 4.327 | 0.000000 |
| Alephata 220kV | 10/01/2020 17:00:00 | 69 | 7425.0 | 970.0 | 0.0 | -970.0 | 13.06 | 0.00 | 0.532 | 0.000000 |
| Alephata 220kV | 10/01/2020 17:15:00 | 70 | 7425.0 | 802.5 | 0.0 | -802.5 | 10.81 | 0.00 | -1.595 | 0.000000 |
| Alephata 220kV | 10/01/2020 17:30:00 | 71 | 7425.0 | 865.0 | 0.0 | -865.0 | 11.65 | 0.00 | -2.658 | 0.000000 |
| Alephata 220kV | 10/01/2020 17:45:00 | 72 | 7425.0 | 922.5 | 0.0 | -922.5 | 12.42 | 0.00 | -2.127 | 0.000000 |
| Alephata 220kV | 10/01/2020 18:00:00 | 73 | 7425.0 | 870.0 | 0.0 | -870.0 | 11.72 | 0.00 | -1.461 | 0.000000 |
| Alephata 220kV | 10/01/2020 18:15:00 | 74 | 7425.0 | 840.0 | 0.0 | -840.0 | 11.31 | 0.00 | 3.326 | 295.189604 |
| Alephata 220kV | 10/01/2020 18:30:00 | 75 | 7425.0 | 977.5 | 0.0 | -977.5 | 13.16 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Alephata 220kV | 10/01/2020 18:45:00 | 76 | 7425.0 | 817.5 | 0.0 | -817.5 | 11.01 | 0.00 | 3.994 | 136.460693 |
| Alephata 220kV | 10/01/2020 19:00:00 | 77 | 7425.0 | 867.5 | 0.0 | -867.5 | 11.68 | 0.00 | -2.127 | 0.000000 |
| Alephata 220kV | 10/01/2020 19:15:00 | 78 | 7425.0 | 840.0 | 0.0 | -840.0 | 11.31 | 0.00 | -2.658 | 0.000000 |
| Alephata 220kV | 10/01/2020 19:30:00 | 79 | 7425.0 | 900.0 | 0.0 | -900.0 | 12.12 | 0.00 | -3.660 | 0.000000 |
| Alephata 220kV | 10/01/2020 19:45:00 | 80 | 7425.0 | 915.0 | 0.0 | -915.0 | 12.32 | 0.00 | -3.326 | 0.000000 |
| Alephata 220kV | 10/01/2020 20:00:00 | 81 | 7425.0 | 952.5 | 0.0 | -952.5 | 12.83 | 0.00 | 3.660 | 232.189820 |
| Alephata 220kV | 10/01/2020 20:15:00 | 82 | 7425.0 | 947.5 | 0.0 | -947.5 | 12.76 | 0.00 | 3.660 | 991.891800 |
| Alephata 220kV | 10/01/2020 20:30:00 | 83 | 7425.0 | 922.5 | 0.0 | -922.5 | 12.42 | 0.00 | 4.995 | 1370.983457 |
| Alephata 220kV | 10/01/2020 20:45:00 | 84 | 7425.0 | 910.0 | 0.0 | -910.0 | 12.26 | 0.00 | 2.992 | 956.345910 |
| Alephata 220kV | 10/01/2020 21:00:00 | 85 | 7425.0 | 917.5 | 0.0 | -917.5 | 12.36 | 0.00 | -3.660 | 0.000000 |
| Alephata 220kV | 10/01/2020 21:15:00 | 86 | 7425.0 | 817.5 | 0.0 | -817.5 | 11.01 | 0.00 | -1.595 | 0.000000 |
| Alephata 220kV | 10/01/2020 21:30:00 | 87 | 7425.0 | 1010.0 | 0.0 | -1010.0 | 13.6 | 0.00 | -1.063 | 0.000000 |
| Alephata 220kV | 10/01/2020 21:45:00 | 88 | 7425.0 | 817.5 | 0.0 | -817.5 | 11.01 | 0.00 | -0.532 | 0.000000 |
| Alephata 220kV | 10/01/2020 22:00:00 | 89 | 7425.0 | 875.0 | 0.0 | -875.0 | 11.78 | 0.00 | -1.595 | 0.000000 |
| Alephata 220kV | 10/01/2020 22:15:00 | 90 | 7425.0 | 900.0 | 0.0 | -900.0 | 12.12 | 0.00 | -2.127 | 0.000000 |
| Alephata 220kV | 10/01/2020 22:30:00 | 91 | 7425.0 | 1435.0 | 0.0 | -1435.0 | 19.33 | 160.63 | 1.063 | 0.000000 |
| Alephata 220kV | 10/01/2020 22:45:00 | 92 | 7425.0 | 1295.0 | 0.0 | -1295.0 | 17.44 | 90.63 | -2.658 | 0.000000 |
| Alephata 220kV | 10/01/2020 23:00:00 | 93 | 7425.0 | 1332.5 | 0.0 | -1332.5 | 17.95 | 109.38 | -2.658 | 0.000000 |
| Alephata 220kV | 10/01/2020 23:15:00 | 94 | 7425.0 | 1335.0 | 0.0 | -1335.0 | 17.98 | 110.63 | 0.000 | 0.000000 |
| Alephata 220kV | 10/01/2020 23:30:00 | 95 | 7425.0 | 1340.0 | 0.0 | -1340.0 | 18.05 | 113.13 | 0.000 | 0.000000 |
| Alephata 220kV | 10/01/2020 23:45:00 | 96 | 7425.0 | 1362.5 | 0.0 | -1362.5 | 18.35 | 124.38 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Alephata 220kV | 11/01/2020 00:00:00 | 1 | 7425.0 | 880.0 | 0.0 | -880.0 | 11.85 | 0.00 | 0.000 | 0.000000 |
| Alephata 220kV | 11/01/2020 00:15:00 | 2 | 7425.0 | 905.0 | 0.0 | -905.0 | 12.19 | 0.00 | -2.629 | 0.000000 |
| Alephata 220kV | 11/01/2020 00:30:00 | 3 | 7425.0 | 902.5 | 0.0 | -902.5 | 12.15 | 0.00 | -1.577 | 0.000000 |
| Alephata 220kV | 11/01/2020 00:45:00 | 4 | 7425.0 | 1060.0 | 0.0 | -1060.0 | 14.28 | 0.00 | 2.103 | 0.000000 |
| Alephata 220kV | 11/01/2020 01:00:00 | 5 | 7425.0 | 1102.5 | 0.0 | -1102.5 | 14.85 | 0.00 | 2.964 | 517.968963 |
| Alephata 220kV | 11/01/2020 01:15:00 | 6 | 7425.0 | 1052.5 | 0.0 | -1052.5 | 14.18 | 0.00 | 1.052 | 69.414289 |
| Alephata 220kV | 11/01/2020 01:30:00 | 7 | 7425.0 | 920.0 | 0.0 | -920.0 | 12.39 | 0.00 | 1.577 | 108.026204 |
| Alephata 220kV | 11/01/2020 01:45:00 | 8 | 7425.0 | 1027.5 | 0.0 | -1027.5 | 13.84 | 0.00 | -0.526 | 0.000000 |
| Alephata 220kV | 11/01/2020 02:00:00 | 9 | 7425.0 | 800.0 | 0.0 | -800.0 | 10.77 | 0.00 | -0.403 | 0.000000 |
| Alephata 220kV | 11/01/2020 02:15:00 | 10 | 7425.0 | 1027.5 | 0.0 | -1027.5 | 13.84 | 0.00 | -0.630 | 0.000000 |
| Alephata 220kV | 11/01/2020 02:30:00 | 11 | 7425.0 | 952.5 | 0.0 | -952.5 | 12.83 | 0.00 | -0.526 | 0.000000 |
| Alephata 220kV | 11/01/2020 02:45:00 | 12 | 7425.0 | 885.0 | 0.0 | -885.0 | 11.92 | 0.00 | -0.526 | 0.000000 |
| Alephata 220kV | 11/01/2020 03:00:00 | 13 | 7425.0 | 882.5 | 0.0 | -882.5 | 11.89 | 0.00 | -1.051 | 0.000000 |
| Alephata 220kV | 11/01/2020 03:15:00 | 14 | 7425.0 | 995.0 | 0.0 | -995.0 | 13.4 | 0.00 | 0.000 | 0.000000 |
| Alephata 220kV | 11/01/2020 03:30:00 | 15 | 7425.0 | 877.5 | 0.0 | -877.5 | 11.82 | 0.00 | 0.000 | 0.000000 |
| Alephata 220kV | 11/01/2020 03:45:00 | 16 | 7425.0 | 925.0 | 0.0 | -925.0 | 12.46 | 0.00 | 0.000 | 0.000000 |
| Alephata 220kV | 11/01/2020 04:00:00 | 17 | 7425.0 | 840.0 | 0.0 | -840.0 | 11.31 | 0.00 | 0.000 | 0.000000 |
| Alephata 220kV | 11/01/2020 04:15:00 | 18 | 7425.0 | 1020.0 | 0.0 | -1020.0 | 13.74 | 0.00 | -1.051 | 0.000000 |
| Alephata 220kV | 11/01/2020 04:30:00 | 19 | 7425.0 | 835.0 | 0.0 | -835.0 | 11.25 | 0.00 | -2.964 | 0.000000 |
| Alephata 220kV | 11/01/2020 04:45:00 | 20 | 7425.0 | 1000.0 | 0.0 | -1000.0 | 13.47 | 0.00 | -3.300 | 0.000000 |
| Alephata 220kV | 11/01/2020 05:00:00 | 21 | 7425.0 | 805.0 | 0.0 | -805.0 | 10.84 | 0.00 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Alephata 220kV | 11/01/2020 05:15:00 | 22 | 7425.0 | 892.5 | 0.0 | -892.5 | 12.02 | 0.00 | 5.314 | 1118.297298 |
| Alephata 220kV | 11/01/2020 05:30:00 | 23 | 7425.0 | 855.0 | 0.0 | -855.0 | 11.52 | 0.00 | 2.964 | 517.660836 |
| Alephata 220kV | 11/01/2020 05:45:00 | 24 | 7425.0 | 1000.0 | 0.0 | -1000.0 | 13.47 | 0.00 | 2.103 | 0.000000 |
| Alephata 220kV | 11/01/2020 06:00:00 | 25 | 7425.0 | 987.5 | 0.0 | -987.5 | 13.3 | 0.00 | 3.636 | 0.000000 |
| Alephata 220kV | 11/01/2020 06:15:00 | 26 | 7425.0 | 790.0 | 0.0 | -790.0 | 10.64 | 0.00 | 2.964 | 0.000000 |
| Alephata 220kV | 11/01/2020 06:30:00 | 27 | 7425.0 | 895.0 | 0.0 | -895.0 | 12.05 | 0.00 | 4.105 | 657.494238 |
| Alephata 220kV | 11/01/2020 06:45:00 | 28 | 7425.0 | 1010.0 | 0.0 | -1010.0 | 13.6 | 0.00 | 5.650 | 156.198823 |
| Alephata 220kV | 11/01/2020 07:00:00 | 29 | 7425.0 | 947.5 | 0.0 | -947.5 | 12.76 | 0.00 | 3.300 | 0.000000 |
| Alephata 220kV | 11/01/2020 07:15:00 | 30 | 7425.0 | 847.5 | 0.0 | -847.5 | 11.41 | 0.00 | 5.314 | 0.000000 |
| Alephata 220kV | 11/01/2020 07:30:00 | 31 | 7425.0 | 807.5 | 0.0 | -807.5 | 10.88 | 0.00 | 2.964 | 0.000000 |
| Alephata 220kV | 11/01/2020 07:45:00 | 32 | 7425.0 | 952.5 | 0.0 | -952.5 | 12.83 | 0.00 | 2.103 | 0.000000 |
| Alephata 220kV | 11/01/2020 08:00:00 | 33 | 7425.0 | 852.5 | 0.0 | -852.5 | 11.48 | 0.00 | -1.577 | 0.000000 |
| Alephata 220kV | 11/01/2020 08:15:00 | 34 | 7425.0 | 910.0 | 0.0 | -910.0 | 12.26 | 0.00 | 3.300 | 0.000000 |
| Alephata 220kV | 11/01/2020 08:30:00 | 35 | 7425.0 | 992.5 | 0.0 | -992.5 | 13.37 | 0.00 | 2.116 | 0.000000 |
| Alephata 220kV | 11/01/2020 08:45:00 | 36 | 7425.0 | 810.0 | 0.0 | -810.0 | 10.91 | 0.00 | 2.964 | 0.000000 |
| Alephata 220kV | 11/01/2020 09:00:00 | 37 | 7425.0 | 952.5 | 0.0 | -952.5 | 12.83 | 0.00 | 6.681 | 0.000000 |
| Alephata 220kV | 11/01/2020 09:15:00 | 38 | 7425.0 | 857.5 | 0.0 | -857.5 | 11.55 | 0.00 | 6.657 | 0.000000 |
| Alephata 220kV | 11/01/2020 09:30:00 | 39 | 7425.0 | 870.0 | 0.0 | -870.0 | 11.72 | 0.00 | -6.322 | 0.000000 |
| Alephata 220kV | 11/01/2020 09:45:00 | 40 | 7425.0 | 932.5 | 0.0 | -932.5 | 12.56 | 0.00 | -2.103 | 0.000000 |
| Alephata 220kV | 11/01/2020 10:00:00 | 41 | 7425.0 | 1002.5 | 0.0 | -1002.5 | 13.5 | 0.00 | 0.526 | 0.000000 |
| Alephata 220kV | 11/01/2020 10:15:00 | 42 | 7425.0 | 942.5 | 0.0 | -942.5 | 12.69 | 0.00 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Alephata 220kV | 11/01/2020 10:30:00 | 43 | 7425.0 | 1002.5 | 0.0 | -1002.5 | 13.5 | 0.00 | 0.000 | 0.000000 |
| Alephata 220kV | 11/01/2020 10:45:00 | 44 | 7425.0 | 815.0 | 0.0 | -815.0 | 10.98 | 0.00 | 0.000 | 0.000000 |
| Alephata 220kV | 11/01/2020 11:00:00 | 45 | 7425.0 | 792.5 | 0.0 | -792.5 | 10.67 | 0.00 | 0.000 | 0.000000 |
| Alephata 220kV | 11/01/2020 11:15:00 | 46 | 7425.0 | 1027.5 | 0.0 | -1027.5 | 13.84 | 0.00 | -2.964 | 0.000000 |
| Alephata 220kV | 11/01/2020 11:30:00 | 47 | 7425.0 | 920.0 | 0.0 | -920.0 | 12.39 | 0.00 | -4.307 | 0.000000 |
| Alephata 220kV | 11/01/2020 11:45:00 | 48 | 7425.0 | 1010.0 | 0.0 | -1010.0 | 13.6 | 0.00 | -3.300 | 0.000000 |
| Alephata 220kV | 11/01/2020 12:00:00 | 49 | 7425.0 | 890.0 | 0.0 | -890.0 | 11.99 | 0.00 | -0.526 | 0.000000 |
| Alephata 220kV | 11/01/2020 12:15:00 | 50 | 7425.0 | 910.0 | 0.0 | -910.0 | 12.26 | 0.00 | -2.103 | 0.000000 |
| Alephata 220kV | 11/01/2020 12:30:00 | 51 | 7425.0 | 990.0 | 0.0 | -990.0 | 13.33 | 0.00 | -2.629 | 0.000000 |
| Alephata 220kV | 11/01/2020 12:45:00 | 52 | 7425.0 | 820.0 | 0.0 | -820.0 | 11.04 | 0.00 | -2.629 | 0.000000 |
| Alephata 220kV | 11/01/2020 13:00:00 | 53 | 7425.0 | 800.0 | 0.0 | -800.0 | 10.77 | 0.00 | 0.000 | 0.000000 |
| Alephata 220kV | 11/01/2020 13:15:00 | 54 | 7425.0 | 975.0 | 0.0 | -975.0 | 13.13 | 0.00 | -2.103 | 0.000000 |
| Alephata 220kV | 11/01/2020 13:30:00 | 55 | 7425.0 | 827.5 | 0.0 | -827.5 | 11.14 | 0.00 | 2.629 | 0.000000 |
| Alephata 220kV | 11/01/2020 13:45:00 | 56 | 7425.0 | 900.0 | 0.0 | -900.0 | 12.12 | 0.00 | 2.103 | 0.000000 |
| Alephata 220kV | 11/01/2020 14:00:00 | 57 | 7425.0 | 885.0 | 0.0 | -885.0 | 11.92 | 0.00 | 1.051 | 0.000000 |
| Alephata 220kV | 11/01/2020 14:15:00 | 58 | 7425.0 | 847.5 | 0.0 | -847.5 | 11.41 | 0.00 | 3.300 | 0.000000 |
| Alephata 220kV | 11/01/2020 14:30:00 | 59 | 7425.0 | 850.0 | 0.0 | -850.0 | 11.45 | 0.00 | -3.636 | 0.000000 |
| Alephata 220kV | 11/01/2020 14:45:00 | 60 | 7425.0 | 952.5 | 0.0 | -952.5 | 12.83 | 0.00 | 4.979 | 0.000000 |
| Alephata 220kV | 11/01/2020 15:00:00 | 61 | 7425.0 | 970.0 | 0.0 | -970.0 | 13.06 | 0.00 | -2.964 | 0.000000 |
| Alephata 220kV | 11/01/2020 15:15:00 | 62 | 7425.0 | 825.0 | 0.0 | -825.0 | 11.11 | 0.00 | -5.314 | 0.000000 |
| Alephata 220kV | 11/01/2020 15:30:00 | 63 | 7425.0 | 920.0 | 0.0 | -920.0 | 12.39 | 0.00 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Alephata 220kV | 11/01/2020 15:45:00 | 64 | 7425.0 | 852.5 | 0.0 | -852.5 | 11.48 | 0.00 | 4.643 | 0.000000 |
| Alephata 220kV | 11/01/2020 16:00:00 | 65 | 7425.0 | 975.0 | 0.0 | -975.0 | 13.13 | 0.00 | 2.103 | 0.000000 |
| Alephata 220kV | 11/01/2020 16:15:00 | 66 | 7425.0 | 967.5 | 0.0 | -967.5 | 13.03 | 0.00 | -2.964 | 0.000000 |
| Alephata 220kV | 11/01/2020 16:30:00 | 67 | 7425.0 | 862.5 | 0.0 | -862.5 | 11.62 | 0.00 | -2.103 | 0.000000 |
| Alephata 220kV | 11/01/2020 16:45:00 | 68 | 7425.0 | 997.5 | 0.0 | -997.5 | 13.43 | 0.00 | 3.972 | 0.000000 |
| Alephata 220kV | 11/01/2020 17:00:00 | 69 | 7425.0 | 970.0 | 0.0 | -970.0 | 13.06 | 0.00 | -1.577 | 0.000000 |
| Alephata 220kV | 11/01/2020 17:15:00 | 70 | 7425.0 | 802.5 | 0.0 | -802.5 | 10.81 | 0.00 | -1.577 | 0.000000 |
| Alephata 220kV | 11/01/2020 17:30:00 | 71 | 7425.0 | 865.0 | 0.0 | -865.0 | 11.65 | 0.00 | 1.051 | 11.036832 |
| Alephata 220kV | 11/01/2020 17:45:00 | 72 | 7425.0 | 922.5 | 0.0 | -922.5 | 12.42 | 0.00 | -2.103 | 0.000000 |
| Alephata 220kV | 11/01/2020 18:00:00 | 73 | 7425.0 | 870.0 | 0.0 | -870.0 | 11.72 | 0.00 | -2.964 | 0.000000 |
| Alephata 220kV | 11/01/2020 18:15:00 | 74 | 7425.0 | 840.0 | 0.0 | -840.0 | 11.31 | 0.00 | -2.629 | 0.000000 |
| Alephata 220kV | 11/01/2020 18:30:00 | 75 | 7425.0 | 977.5 | 0.0 | -977.5 | 13.16 | 0.00 | 2.103 | 34.361562 |
| Alephata 220kV | 11/01/2020 18:45:00 | 76 | 7425.0 | 817.5 | 0.0 | -817.5 | 11.01 | 0.00 | 0.526 | 84.142688 |
| Alephata 220kV | 11/01/2020 19:00:00 | 77 | 7425.0 | 867.5 | 0.0 | -867.5 | 11.68 | 0.00 | 2.103 | 354.630996 |
| Alephata 220kV | 11/01/2020 19:15:00 | 78 | 7425.0 | 840.0 | 0.0 | -840.0 | 11.31 | 0.00 | -1.052 | 0.000000 |
| Alephata 220kV | 11/01/2020 19:30:00 | 79 | 7425.0 | 900.0 | 0.0 | -900.0 | 12.12 | 0.00 | 2.964 | 0.000000 |
| Alephata 220kV | 11/01/2020 19:45:00 | 80 | 7425.0 | 915.0 | 0.0 | -915.0 | 12.32 | 0.00 | 2.629 | 680.610736 |
| Alephata 220kV | 11/01/2020 20:00:00 | 81 | 7425.0 | 952.5 | 0.0 | -952.5 | 12.83 | 0.00 | 2.629 | 154.905760 |
| Alephata 220kV | 11/01/2020 20:15:00 | 82 | 7425.0 | 947.5 | 0.0 | -947.5 | 12.76 | 0.00 | 4.307 | 508.120892 |
| Alephata 220kV | 11/01/2020 20:30:00 | 83 | 7425.0 | 922.5 | 0.0 | -922.5 | 12.42 | 0.00 | 2.964 | 1268.447688 |
| Alephata 220kV | 11/01/2020 20:45:00 | 84 | 7425.0 | 910.0 | 0.0 | -910.0 | 12.26 | 0.00 | 2.629 | 1074.075646 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Alephata 220kV | 11/01/2020 21:00:00 | 85 | 7425.0 | 917.5 | 0.0 | -917.5 | 12.36 | 0.00 | 3.636 | 196.682674 |
| Alephata 220kV | 11/01/2020 21:15:00 | 86 | 7425.0 | 817.5 | 0.0 | -817.5 | 11.01 | 0.00 | -1.577 | 0.000000 |
| Alephata 220kV | 11/01/2020 21:30:00 | 87 | 7425.0 | 1010.0 | 0.0 | -1010.0 | 13.6 | 0.00 | -1.577 | 0.000000 |
| Alephata 220kV | 11/01/2020 21:45:00 | 88 | 7425.0 | 817.5 | 0.0 | -817.5 | 11.01 | 0.00 | -1.052 | 0.000000 |
| Alephata 220kV | 11/01/2020 22:00:00 | 89 | 7425.0 | 875.0 | 0.0 | -875.0 | 11.78 | 0.00 | -5.650 | 0.000000 |
| Alephata 220kV | 11/01/2020 22:15:00 | 90 | 7425.0 | 900.0 | 0.0 | -900.0 | 12.12 | 0.00 | -5.650 | 0.000000 |
| Alephata 220kV | 11/01/2020 22:30:00 | 91 | 7425.0 | 935.0 | 0.0 | -935.0 | 12.59 | 0.00 | 4.979 | 450.816461 |
| Alephata 220kV | 11/01/2020 22:45:00 | 92 | 7425.0 | 795.0 | 0.0 | -795.0 | 10.71 | 0.00 | 2.964 | 499.246389 |
| Alephata 220kV | 11/01/2020 23:00:00 | 93 | 7425.0 | 832.5 | 0.0 | -832.5 | 11.21 | 0.00 | 1.577 | 130.176144 |
| Alephata 220kV | 11/01/2020 23:15:00 | 94 | 7425.0 | 835.0 | 0.0 | -835.0 | 11.25 | 0.00 | 1.074 | 106.796249 |
| Alephata 220kV | 11/01/2020 23:30:00 | 95 | 7425.0 | 1035.0 | 0.0 | -1035.0 | 13.94 | 0.00 | 2.113 | 596.665479 |
| Alephata 220kV | 11/01/2020 23:45:00 | 96 | 7425.0 | 862.5 | 0.0 | -862.5 | 11.62 | 0.00 | 2.162 | 641.013803 |
| Alephata 220kV | 12/01/2020 00:00:00 | 1 | 7425.0 | 880.0 | 0.0 | -880.0 | 11.85 | 0.00 | 3.022 | 541.259722 |
| Alephata 220kV | 12/01/2020 00:15:00 | 2 | 7425.0 | 905.0 | 0.0 | -905.0 | 12.19 | 0.00 | -2.152 | 0.000000 |
| Alephata 220kV | 12/01/2020 00:30:00 | 3 | 7425.0 | 902.5 | 0.0 | -902.5 | 12.15 | 0.00 | -2.152 | 0.000000 |
| Alephata 220kV | 12/01/2020 00:45:00 | 4 | 7425.0 | 1060.0 | 0.0 | -1060.0 | 14.28 | 0.00 | -3.022 | 0.000000 |
| Alephata 220kV | 12/01/2020 01:00:00 | 5 | 7425.0 | 1102.5 | 0.0 | -1102.5 | 14.85 | 0.00 | -0.629 | 0.000000 |
| Alephata 220kV | 12/01/2020 01:15:00 | 6 | 7425.0 | 1052.5 | 0.0 | -1052.5 | 14.18 | 0.00 | -3.317 | 0.000000 |
| Alephata 220kV | 12/01/2020 01:30:00 | 7 | 7425.0 | 920.0 | 0.0 | -920.0 | 12.39 | 0.00 | -3.354 | 0.000000 |
| Alephata 220kV | 12/01/2020 01:45:00 | 8 | 7425.0 | 1027.5 | 0.0 | -1027.5 | 13.84 | 0.00 | -3.022 | 0.000000 |
| Alephata 220kV | 12/01/2020 02:00:00 | 9 | 7425.0 | 800.0 | 0.0 | -800.0 | 10.77 | 0.00 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Alephata 220kV | 12/01/2020 02:15:00 | 10 | 7425.0 | 1027.5 | 0.0 | -1027.5 | 13.84 | 0.00 | -3.022 | 0.000000 |
| Alephata 220kV | 12/01/2020 02:30:00 | 11 | 7425.0 | 952.5 | 0.0 | -952.5 | 12.83 | 0.00 | -2.690 | 0.000000 |
| Alephata 220kV | 12/01/2020 02:45:00 | 12 | 7425.0 | 885.0 | 0.0 | -885.0 | 11.92 | 0.00 | -3.022 | 0.000000 |
| Alephata 220kV | 12/01/2020 03:00:00 | 13 | 7425.0 | 882.5 | 0.0 | -882.5 | 11.89 | 0.00 | 3.354 | 417.852283 |
| Alephata 220kV | 12/01/2020 03:15:00 | 14 | 7425.0 | 995.0 | 0.0 | -995.0 | 13.4 | 0.00 | 3.022 | 577.761646 |
| Alephata 220kV | 12/01/2020 03:30:00 | 15 | 7425.0 | 877.5 | 0.0 | -877.5 | 11.82 | 0.00 | 3.354 | 188.986834 |
| Alephata 220kV | 12/01/2020 03:45:00 | 16 | 7425.0 | 925.0 | 0.0 | -925.0 | 12.46 | 0.00 | 2.152 | 0.000000 |
| Alephata 220kV | 12/01/2020 04:00:00 | 17 | 7425.0 | 840.0 | 0.0 | -840.0 | 11.31 | 0.00 | -2.152 | 0.000000 |
| Alephata 220kV | 12/01/2020 04:15:00 | 18 | 7425.0 | 1020.0 | 0.0 | -1020.0 | 13.74 | 0.00 | -3.022 | 0.000000 |
| Alephata 220kV | 12/01/2020 04:30:00 | 19 | 7425.0 | 835.0 | 0.0 | -835.0 | 11.25 | 0.00 | 1.076 | 0.000000 |
| Alephata 220kV | 12/01/2020 04:45:00 | 20 | 7425.0 | 1000.0 | 0.0 | -1000.0 | 13.47 | 0.00 | -3.022 | 0.000000 |
| Alephata 220kV | 12/01/2020 05:00:00 | 21 | 7425.0 | 805.0 | 0.0 | -805.0 | 10.84 | 0.00 | 3.686 | 0.000000 |
| Alephata 220kV | 12/01/2020 05:15:00 | 22 | 7425.0 | 892.5 | 0.0 | -892.5 | 12.02 | 0.00 | 3.686 | 984.668986 |
| Alephata 220kV | 12/01/2020 05:30:00 | 23 | 7425.0 | 855.0 | 0.0 | -855.0 | 11.52 | 0.00 | -1.614 | 0.000000 |
| Alephata 220kV | 12/01/2020 05:45:00 | 24 | 7425.0 | 1000.0 | 0.0 | -1000.0 | 13.47 | 0.00 | -0.496 | 0.000000 |
| Alephata 220kV | 12/01/2020 06:00:00 | 25 | 7425.0 | 987.5 | 0.0 | -987.5 | 13.3 | 0.00 | 0.000 | 0.000000 |
| Alephata 220kV | 12/01/2020 06:15:00 | 26 | 7425.0 | 790.0 | 0.0 | -790.0 | 10.64 | 0.00 | -0.430 | 0.000000 |
| Alephata 220kV | 12/01/2020 06:30:00 | 27 | 7425.0 | 895.0 | 0.0 | -895.0 | 12.05 | 0.00 | -2.152 | 0.000000 |
| Alephata 220kV | 12/01/2020 06:45:00 | 28 | 7425.0 | 1010.0 | 0.0 | -1010.0 | 13.6 | 0.00 | 4.681 | 0.000000 |
| Alephata 220kV | 12/01/2020 07:00:00 | 29 | 7425.0 | 947.5 | 0.0 | -947.5 | 12.76 | 0.00 | 1.614 | 0.000000 |
| Alephata 220kV | 12/01/2020 07:15:00 | 30 | 7425.0 | 847.5 | 0.0 | -847.5 | 11.41 | 0.00 | 3.838 | 701.438772 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Alephata 220kV | 12/01/2020 07:30:00 | 31 | 7425.0 | 807.5 | 0.0 | -807.5 | 10.88 | 0.00 | 3.022 | 0.000000 |
| Alephata 220kV | 12/01/2020 07:45:00 | 32 | 7425.0 | 952.5 | 0.0 | -952.5 | 12.83 | 0.00 | 2.690 | 0.000000 |
| Alephata 220kV | 12/01/2020 08:00:00 | 33 | 7425.0 | 852.5 | 0.0 | -852.5 | 11.48 | 0.00 | -2.690 | 0.000000 |
| Alephata 220kV | 12/01/2020 08:15:00 | 34 | 7425.0 | 910.0 | 0.0 | -910.0 | 12.26 | 0.00 | -4.018 | 0.000000 |
| Alephata 220kV | 12/01/2020 08:30:00 | 35 | 7425.0 | 992.5 | 0.0 | -992.5 | 13.37 | 0.00 | -2.690 | 0.000000 |
| Alephata 220kV | 12/01/2020 08:45:00 | 36 | 7425.0 | 810.0 | 0.0 | -810.0 | 10.91 | 0.00 | 3.022 | 0.000000 |
| Alephata 220kV | 12/01/2020 09:00:00 | 37 | 7425.0 | 952.5 | 0.0 | -952.5 | 12.83 | 0.00 | -3.354 | 0.000000 |
| Alephata 220kV | 12/01/2020 09:15:00 | 38 | 7425.0 | 857.5 | 0.0 | -857.5 | 11.55 | 0.00 | -4.350 | 0.000000 |
| Alephata 220kV | 12/01/2020 09:30:00 | 39 | 7425.0 | 870.0 | 0.0 | -870.0 | 11.72 | 0.00 | 2.152 | 0.000000 |
| Alephata 220kV | 12/01/2020 09:45:00 | 40 | 7425.0 | 932.5 | 0.0 | -932.5 | 12.56 | 0.00 | -2.690 | 0.000000 |
| Alephata 220kV | 12/01/2020 10:00:00 | 41 | 7425.0 | 1002.5 | 0.0 | -1002.5 | 13.5 | 0.00 | -3.354 | 0.000000 |
| Alephata 220kV | 12/01/2020 10:15:00 | 42 | 7425.0 | 942.5 | 0.0 | -942.5 | 12.69 | 0.00 | -3.686 | 0.000000 |
| Alephata 220kV | 12/01/2020 10:30:00 | 43 | 7425.0 | 1002.5 | 0.0 | -1002.5 | 13.5 | 0.00 | -1.614 | 0.000000 |
| Alephata 220kV | 12/01/2020 10:45:00 | 44 | 7425.0 | 815.0 | 0.0 | -815.0 | 10.98 | 0.00 | 3.686 | 0.000000 |
| Alephata 220kV | 12/01/2020 11:00:00 | 45 | 7425.0 | 792.5 | 0.0 | -792.5 | 10.67 | 0.00 | -3.354 | 0.000000 |
| Alephata 220kV | 12/01/2020 11:15:00 | 46 | 7425.0 | 1027.5 | 0.0 | -1027.5 | 13.84 | 0.00 | -5.450 | 0.000000 |
| Alephata 220kV | 12/01/2020 11:30:00 | 47 | 7425.0 | 920.0 | 0.0 | -920.0 | 12.39 | 0.00 | -6.009 | 0.000000 |
| Alephata 220kV | 12/01/2020 11:45:00 | 48 | 7425.0 | 1010.0 | 0.0 | -1010.0 | 13.6 | 0.00 | 2.690 | 0.000000 |
| Alephata 220kV | 12/01/2020 12:00:00 | 49 | 7425.0 | 890.0 | 0.0 | -890.0 | 11.99 | 0.00 | 3.686 | 0.000000 |
| Alephata 220kV | 12/01/2020 12:15:00 | 50 | 7425.0 | 910.0 | 0.0 | -910.0 | 12.26 | 0.00 | -5.345 | 0.000000 |
| Alephata 220kV | 12/01/2020 12:30:00 | 51 | 7425.0 | 990.0 | 0.0 | -990.0 | 13.33 | 0.00 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Alephata 220kV | 12/01/2020 12:45:00 | 52 | 7425.0 | 820.0 | 0.0 | -820.0 | 11.04 | 0.00 | -5.345 | 0.000000 |
| Alephata 220kV | 12/01/2020 13:00:00 | 53 | 7425.0 | 800.0 | 0.0 | -800.0 | 10.77 | 0.00 | -3.999 | 0.000000 |
| Alephata 220kV | 12/01/2020 13:15:00 | 54 | 7425.0 | 975.0 | 0.0 | -975.0 | 13.13 | 0.00 | -4.350 | 0.000000 |
| Alephata 220kV | 12/01/2020 13:30:00 | 55 | 7425.0 | 827.5 | 0.0 | -827.5 | 11.14 | 0.00 | -1.076 | 0.000000 |
| Alephata 220kV | 12/01/2020 13:45:00 | 56 | 7425.0 | 900.0 | 0.0 | -900.0 | 12.12 | 0.00 | -2.690 | 0.000000 |
| Alephata 220kV | 12/01/2020 14:00:00 | 57 | 7425.0 | 885.0 | 0.0 | -885.0 | 11.92 | 0.00 | -0.538 | 0.000000 |
| Alephata 220kV | 12/01/2020 14:15:00 | 58 | 7425.0 | 847.5 | 0.0 | -847.5 | 11.41 | 0.00 | -2.152 | 0.000000 |
| Alephata 220kV | 12/01/2020 14:30:00 | 59 | 7425.0 | 850.0 | 0.0 | -850.0 | 11.45 | 0.00 | -2.690 | 0.000000 |
| Alephata 220kV | 12/01/2020 14:45:00 | 60 | 7425.0 | 952.5 | 0.0 | -952.5 | 12.83 | 0.00 | -1.076 | 0.000000 |
| Alephata 220kV | 12/01/2020 15:00:00 | 61 | 7425.0 | 970.0 | 0.0 | -970.0 | 13.06 | 0.00 | 0.000 | 0.000000 |
| Alephata 220kV | 12/01/2020 15:15:00 | 62 | 7425.0 | 825.0 | 0.0 | -825.0 | 11.11 | 0.00 | -2.690 | 0.000000 |
| Alephata 220kV | 12/01/2020 15:30:00 | 63 | 7425.0 | 920.0 | 0.0 | -920.0 | 12.39 | 0.00 | -3.022 | 0.000000 |
| Alephata 220kV | 12/01/2020 15:45:00 | 64 | 7425.0 | 852.5 | 0.0 | -852.5 | 11.48 | 0.00 | -3.686 | 0.000000 |
| Alephata 220kV | 12/01/2020 16:00:00 | 65 | 7425.0 | 975.0 | 0.0 | -975.0 | 13.13 | 0.00 | -3.737 | 0.000000 |
| Alephata 220kV | 12/01/2020 16:15:00 | 66 | 7425.0 | 967.5 | 0.0 | -967.5 | 13.03 | 0.00 | -5.786 | 0.000000 |
| Alephata 220kV | 12/01/2020 16:30:00 | 67 | 7425.0 | 862.5 | 0.0 | -862.5 | 11.62 | 0.00 | -4.350 | 0.000000 |
| Alephata 220kV | 12/01/2020 16:45:00 | 68 | 7425.0 | 997.5 | 0.0 | -997.5 | 13.43 | 0.00 | -1.614 | 0.000000 |
| Alephata 220kV | 12/01/2020 17:00:00 | 69 | 7425.0 | 970.0 | 0.0 | -970.0 | 13.06 | 0.00 | 0.000 | 0.000000 |
| Alephata 220kV | 12/01/2020 17:15:00 | 70 | 7425.0 | 802.5 | 0.0 | -802.5 | 10.81 | 0.00 | 2.690 | 208.051131 |
| Alephata 220kV | 12/01/2020 17:30:00 | 71 | 7425.0 | 865.0 | 0.0 | -865.0 | 11.65 | 0.00 | -3.022 | 0.000000 |
| Alephata 220kV | 12/01/2020 17:45:00 | 72 | 7425.0 | 922.5 | 0.0 | -922.5 | 12.42 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Alephata 220kV | 12/01/2020 18:00:00 | 73 | 7425.0 | 870.0 | 0.0 | -870.0 | 11.72 | 0.00 | -0.538 | 0.000000 |
| Alephata 220kV | 12/01/2020 18:15:00 | 74 | 7425.0 | 840.0 | 0.0 | -840.0 | 11.31 | 0.00 | -4.350 | 0.000000 |
| Alephata 220kV | 12/01/2020 18:30:00 | 75 | 7425.0 | 977.5 | 0.0 | -977.5 | 13.16 | 0.00 | 2.690 | 168.095925 |
| Alephata 220kV | 12/01/2020 18:45:00 | 76 | 7425.0 | 817.5 | 0.0 | -817.5 | 11.01 | 0.00 | 3.022 | 905.680684 |
| Alephata 220kV | 12/01/2020 19:00:00 | 77 | 7425.0 | 867.5 | 0.0 | -867.5 | 11.68 | 0.00 | 3.686 | 308.705929 |
| Alephata 220kV | 12/01/2020 19:15:00 | 78 | 7425.0 | 840.0 | 0.0 | -840.0 | 11.31 | 0.00 | 2.690 | 17.743365 |
| Alephata 220kV | 12/01/2020 19:30:00 | 79 | 7425.0 | 900.0 | 0.0 | -900.0 | 12.12 | 0.00 | -3.022 | 0.000000 |
| Alephata 220kV | 12/01/2020 19:45:00 | 80 | 7425.0 | 915.0 | 0.0 | -915.0 | 12.32 | 0.00 | -1.781 | 0.000000 |
| Alephata 220kV | 12/01/2020 20:00:00 | 81 | 7425.0 | 952.5 | 0.0 | -952.5 | 12.83 | 0.00 | -3.021 | 0.000000 |
| Alephata 220kV | 12/01/2020 20:15:00 | 82 | 7425.0 | 947.5 | 0.0 | -947.5 | 12.76 | 0.00 | -4.018 | 0.000000 |
| Alephata 220kV | 12/01/2020 20:30:00 | 83 | 7425.0 | 922.5 | 0.0 | -922.5 | 12.42 | 0.00 | -3.354 | 0.000000 |
| Alephata 220kV | 12/01/2020 20:45:00 | 84 | 7425.0 | 910.0 | 0.0 | -910.0 | 12.26 | 0.00 | -1.614 | 0.000000 |
| Alephata 220kV | 12/01/2020 21:00:00 | 85 | 7425.0 | 917.5 | 0.0 | -917.5 | 12.36 | 0.00 | -4.350 | 0.000000 |
| Alephata 220kV | 12/01/2020 21:15:00 | 86 | 7425.0 | 817.5 | 0.0 | -817.5 | 11.01 | 0.00 | -3.686 | 0.000000 |
| Alephata 220kV | 12/01/2020 21:30:00 | 87 | 7425.0 | 1010.0 | 0.0 | -1010.0 | 13.6 | 0.00 | -1.614 | 0.000000 |
| Alephata 220kV | 12/01/2020 21:45:00 | 88 | 7425.0 | 817.5 | 0.0 | -817.5 | 11.01 | 0.00 | 0.000 | 0.000000 |
| Alephata 220kV | 12/01/2020 22:00:00 | 89 | 7425.0 | 875.0 | 0.0 | -875.0 | 11.78 | 0.00 | -3.354 | 0.000000 |
| Alephata 220kV | 12/01/2020 22:15:00 | 90 | 7425.0 | 900.0 | 0.0 | -900.0 | 12.12 | 0.00 | 4.350 | 1098.855751 |
| Alephata 220kV | 12/01/2020 22:30:00 | 91 | 7425.0 | 935.0 | 0.0 | -935.0 | 12.59 | 0.00 | 5.215 | 2152.965404 |
| Alephata 220kV | 12/01/2020 22:45:00 | 92 | 7425.0 | 795.0 | 0.0 | -795.0 | 10.71 | 0.00 | 3.022 | 179.200684 |
| Alephata 220kV | 12/01/2020 23:00:00 | 93 | 7425.0 | 832.5 | 0.0 | -832.5 | 11.21 | 0.00 | 3.022 | 411.024030 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Alephata 220kV | 12/01/2020 23:15:00 | 94 | 7425.0 | 835.0 | 0.0 | -835.0 | 11.25 | 0.00 | 2.152 | 410.492337 |
| Alephata 220kV | 12/01/2020 23:30:00 | 95 | 7425.0 | 1035.0 | 0.0 | -1035.0 | 13.94 | 0.00 | 2.152 | 292.800514 |
| Alephata 220kV | 12/01/2020 23:45:00 | 96 | 7425.0 | 862.5 | 0.0 | -862.5 | 11.62 | 0.00 | 2.152 | 280.354415 |
| Aranvihira 132kV | 06/01/2020 00:00:00 | 1 | 18375.0 | 10030.0 | 0.0 | -10030.0 | 54.59 | 8154.38 | 2.903 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 00:15:00 | 2 | 18375.0 | 9972.5 | 0.0 | -9972.5 | 54.27 | 8068.13 | 0.000 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 00:30:00 | 3 | 18375.0 | 9862.5 | 0.0 | -9862.5 | 53.67 | 7903.13 | 0.000 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 00:45:00 | 4 | 18375.0 | 9780.0 | 0.0 | -9780.0 | 53.22 | 7779.38 | -0.984 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 01:00:00 | 5 | 18375.0 | 9695.0 | 0.0 | -9695.0 | 52.76 | 7651.88 | -3.541 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 01:15:00 | 6 | 18375.0 | 9612.5 | 0.0 | -9612.5 | 52.31 | 7528.13 | 3.222 | 230.774652 |
| Aranvihira 132kV | 06/01/2020 01:30:00 | 7 | 18375.0 | 7530.0 | 0.0 | -7530.0 | 40.98 | 4404.38 | 3.541 | 2032.214081 |
| Aranvihira 132kV | 06/01/2020 01:45:00 | 8 | 18375.0 | 7472.5 | 0.0 | -7472.5 | 40.67 | 4318.13 | 2.352 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 02:00:00 | 9 | 18375.0 | 7362.5 | 0.0 | -7362.5 | 40.07 | 4153.13 | 1.747 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 02:15:00 | 10 | 18375.0 | 7280.0 | 0.0 | -7280.0 | 39.62 | 4029.38 | 0.581 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 02:30:00 | 11 | 18375.0 | 7195.0 | 0.0 | -7195.0 | 39.16 | 3901.88 | -2.323 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 02:45:00 | 12 | 18375.0 | 7112.5 | 0.0 | -7112.5 | 38.71 | 3778.13 | 2.323 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 03:00:00 | 13 | 18375.0 | 7192.5 | 0.0 | -7192.5 | 39.14 | 3898.13 | 2.323 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 03:15:00 | 14 | 18375.0 | 8322.5 | 0.0 | -8322.5 | 45.29 | 5593.13 | -1.742 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 03:30:00 | 15 | 18375.0 | 8337.5 | 0.0 | -8337.5 | 45.37 | 5615.63 | 3.222 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 03:45:00 | 16 | 18375.0 | 8332.5 | 0.0 | -8332.5 | 45.35 | 5608.13 | 3.541 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 04:00:00 | 17 | 18375.0 | 8347.5 | 0.0 | -8347.5 | 45.43 | 5630.63 | 4.496 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 04:15:00 | 18 | 18375.0 | 8412.5 | 0.0 | -8412.5 | 45.78 | 5728.13 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aranvihira 132kV | 06/01/2020 04:30:00 | 19 | 18375.0 | 8397.5 | 0.0 | -8397.5 | 45.7 | 5705.63 | 3.859 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 04:45:00 | 20 | 18375.0 | 8330.0 | 0.0 | -8330.0 | 45.33 | 5604.38 | 4.815 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 05:00:00 | 21 | 18375.0 | 8285.0 | 0.0 | -8285.0 | 45.09 | 5536.88 | 3.859 | 3633.642843 |
| Aranvihira 132kV | 06/01/2020 05:15:00 | 22 | 18375.0 | 8467.5 | 0.0 | -8467.5 | 46.08 | 5810.63 | 6.407 | 6704.432231 |
| Aranvihira 132kV | 06/01/2020 05:30:00 | 23 | 18375.0 | 9780.0 | 0.0 | -9780.0 | 53.22 | 7779.38 | 6.496 | 11463.811296 |
| Aranvihira 132kV | 06/01/2020 05:45:00 | 24 | 18375.0 | 9722.5 | 0.0 | -9722.5 | 52.91 | 7693.13 | 7.492 | 6158.727593 |
| Aranvihira 132kV | 06/01/2020 06:00:00 | 25 | 18375.0 | 9612.5 | 0.0 | -9612.5 | 52.31 | 7528.13 | -5.452 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 06:15:00 | 26 | 18375.0 | 9530.0 | 0.0 | -9530.0 | 51.86 | 7404.38 | -6.089 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 06:30:00 | 27 | 18375.0 | 9445.0 | 0.0 | -9445.0 | 51.4 | 7276.88 | -7.044 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 06:45:00 | 28 | 18375.0 | 9362.5 | 0.0 | -9362.5 | 50.95 | 7153.13 | 7.682 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 07:00:00 | 29 | 18375.0 | 9280.0 | 0.0 | -9280.0 | 50.5 | 7029.38 | -3.859 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 07:15:00 | 30 | 18375.0 | 9222.5 | 0.0 | -9222.5 | 50.19 | 6943.13 | 4.815 | 4579.138197 |
| Aranvihira 132kV | 06/01/2020 07:30:00 | 31 | 18375.0 | 7065.0 | 0.0 | -7065.0 | 38.45 | 3706.88 | 4.178 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 07:45:00 | 32 | 18375.0 | 7072.5 | 0.0 | -7072.5 | 38.49 | 3718.13 | -3.540 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 08:00:00 | 33 | 18375.0 | 7087.5 | 0.0 | -7087.5 | 38.57 | 3740.63 | -3.859 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 08:15:00 | 34 | 18375.0 | 7082.5 | 0.0 | -7082.5 | 38.54 | 3733.13 | -5.452 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 08:30:00 | 35 | 18375.0 | 7097.5 | 0.0 | -7097.5 | 38.63 | 3755.63 | 4.178 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 08:45:00 | 36 | 18375.0 | 4362.5 | 0.0 | -4362.5 | 23.74 | 803.13 | -3.859 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 09:00:00 | 37 | 18375.0 | 4307.5 | 0.0 | -4307.5 | 23.44 | 775.63 | -6.407 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 09:15:00 | 38 | 18375.0 | 4222.5 | 0.0 | -4222.5 | 22.98 | 733.13 | -8.000 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 09:30:00 | 39 | 18375.0 | 4027.5 | 0.0 | -4027.5 | 21.92 | 635.63 | -5.770 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aranvihira 132kV | 06/01/2020 09:45:00 | 40 | 18375.0 | 3755.0 | 0.0 | -3755.0 | 20.44 | 499.38 | 3.222 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 10:00:00 | 41 | 18375.0 | 3457.5 | 0.0 | -3457.5 | 18.82 | 350.63 | -2.903 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 10:15:00 | 42 | 18375.0 | 3297.5 | 0.0 | -3297.5 | 17.95 | 270.63 | -3.222 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 10:30:00 | 43 | 18375.0 | 3200.0 | 0.0 | -3200.0 | 17.41 | 221.88 | 4.815 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 10:45:00 | 44 | 18375.0 | 3090.0 | 0.0 | -3090.0 | 16.82 | 166.88 | 4.496 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 11:00:00 | 45 | 18375.0 | 2967.5 | 0.0 | -2967.5 | 16.15 | 105.63 | 16.000 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 11:15:00 | 46 | 18375.0 | 2867.5 | 0.0 | -2867.5 | 15.61 | 55.63 | 5.133 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 11:30:00 | 47 | 18375.0 | 2715.0 | 0.0 | -2715.0 | 14.78 | 0.00 | 1.182 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 11:45:00 | 48 | 18375.0 | 2530.0 | 0.0 | -2530.0 | 13.77 | 0.00 | 6.308 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 12:00:00 | 49 | 18375.0 | 2612.5 | 0.0 | -2612.5 | 14.22 | 0.00 | 6.598 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 12:15:00 | 50 | 18375.0 | 2537.5 | 0.0 | -2537.5 | 13.81 | 0.00 | 5.431 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 12:30:00 | 51 | 18375.0 | 2612.5 | 0.0 | -2612.5 | 14.22 | 0.00 | 3.540 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 12:45:00 | 52 | 18375.0 | 2747.5 | 0.0 | -2747.5 | 14.95 | 0.00 | -2.903 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 13:00:00 | 53 | 18375.0 | 2530.0 | 0.0 | -2530.0 | 13.77 | 0.00 | -1.161 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 13:15:00 | 54 | 18375.0 | 2695.0 | 0.0 | -2695.0 | 14.67 | 0.00 | 3.859 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 13:30:00 | 55 | 18375.0 | 2682.5 | 0.0 | -2682.5 | 14.6 | 0.00 | -6.407 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 13:45:00 | 56 | 18375.0 | 2695.0 | 0.0 | -2695.0 | 14.67 | 0.00 | 5.452 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 14:00:00 | 57 | 18375.0 | 2692.5 | 0.0 | -2692.5 | 14.65 | 0.00 | 5.452 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 14:15:00 | 58 | 18375.0 | 2570.0 | 0.0 | -2570.0 | 13.99 | 0.00 | 16.000 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 14:30:00 | 59 | 18375.0 | 2590.0 | 0.0 | -2590.0 | 14.1 | 0.00 | 6.035 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 14:45:00 | 60 | 18375.0 | 2567.5 | 0.0 | -2567.5 | 13.97 | 0.00 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aranvihira 132kV | 06/01/2020 15:00:00 | 61 | 18375.0 | 2560.0 | 0.0 | -2560.0 | 13.93 | 0.00 | 3.367 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 15:15:00 | 62 | 18375.0 | 2637.5 | 0.0 | -2637.5 | 14.35 | 0.00 | 3.904 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 15:30:00 | 63 | 18375.0 | 2665.0 | 0.0 | -2665.0 | 14.5 | 0.00 | 4.482 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 15:45:00 | 64 | 18375.0 | 2600.0 | 0.0 | -2600.0 | 14.15 | 0.00 | 4.225 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 16:00:00 | 65 | 18375.0 | 2590.0 | 0.0 | -2590.0 | 14.1 | 0.00 | 2.895 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 16:15:00 | 66 | 18375.0 | 2572.5 | 0.0 | -2572.5 | 14.0 | 0.00 | 6.089 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 16:30:00 | 67 | 18375.0 | 2527.5 | 0.0 | -2527.5 | 13.76 | 0.00 | -8.000 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 16:45:00 | 68 | 18375.0 | 2700.0 | 0.0 | -2700.0 | 14.69 | 0.00 | -4.178 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 17:00:00 | 69 | 18375.0 | 2662.5 | 0.0 | -2662.5 | 14.49 | 0.00 | 1.742 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 17:15:00 | 70 | 18375.0 | 2692.5 | 0.0 | -2692.5 | 14.65 | 0.00 | 2.903 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 17:30:00 | 71 | 18375.0 | 2607.5 | 0.0 | -2607.5 | 14.19 | 0.00 | -4.178 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 17:45:00 | 72 | 18375.0 | 2587.5 | 0.0 | -2587.5 | 14.08 | 0.00 | -2.323 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 18:00:00 | 73 | 18375.0 | 2755.0 | 0.0 | -2755.0 | 14.99 | 0.00 | -2.903 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 18:15:00 | 74 | 18375.0 | 2615.0 | 0.0 | -2615.0 | 14.23 | 0.00 | 1.161 | 680.055577 |
| Aranvihira 132kV | 06/01/2020 18:30:00 | 75 | 18375.0 | 2530.0 | 0.0 | -2530.0 | 13.77 | 0.00 | 2.903 | 2154.886069 |
| Aranvihira 132kV | 06/01/2020 18:45:00 | 76 | 18375.0 | 2612.5 | 0.0 | -2612.5 | 14.22 | 0.00 | 2.903 | 52.676413 |
| Aranvihira 132kV | 06/01/2020 19:00:00 | 77 | 18375.0 | 2537.5 | 0.0 | -2537.5 | 13.81 | 0.00 | -1.161 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 19:15:00 | 78 | 18375.0 | 2612.5 | 0.0 | -2612.5 | 14.22 | 0.00 | -4.178 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 19:30:00 | 79 | 18375.0 | 2747.5 | 0.0 | -2747.5 | 14.95 | 0.00 | -2.323 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 19:45:00 | 80 | 18375.0 | 2530.0 | 0.0 | -2530.0 | 13.77 | 0.00 | -4.178 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 20:00:00 | 81 | 18375.0 | 2695.0 | 0.0 | -2695.0 | 14.67 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aranvihira 132kV | 06/01/2020 20:15:00 | 82 | 18375.0 | 2682.5 | 0.0 | -2682.5 | 14.6 | 0.00 | -5.770 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 20:30:00 | 83 | 18375.0 | 2695.0 | 0.0 | -2695.0 | 14.67 | 0.00 | 5.770 | 367.202318 |
| Aranvihira 132kV | 06/01/2020 20:45:00 | 84 | 18375.0 | 2692.5 | 0.0 | -2692.5 | 14.65 | 0.00 | 4.178 | 1113.492368 |
| Aranvihira 132kV | 06/01/2020 21:00:00 | 85 | 18375.0 | 2570.0 | 0.0 | -2570.0 | 13.99 | 0.00 | 3.222 | 562.258040 |
| Aranvihira 132kV | 06/01/2020 21:15:00 | 86 | 18375.0 | 2590.0 | 0.0 | -2590.0 | 14.1 | 0.00 | -1.742 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 21:30:00 | 87 | 18375.0 | 2567.5 | 0.0 | -2567.5 | 13.97 | 0.00 | 0.000 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 21:45:00 | 88 | 18375.0 | 2560.0 | 0.0 | -2560.0 | 13.93 | 0.00 | 1.161 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 22:00:00 | 89 | 18375.0 | 2637.5 | 0.0 | -2637.5 | 14.35 | 0.00 | 4.815 | 1544.327687 |
| Aranvihira 132kV | 06/01/2020 22:15:00 | 90 | 18375.0 | 2665.0 | 0.0 | -2665.0 | 14.5 | 0.00 | 3.859 | 1609.929289 |
| Aranvihira 132kV | 06/01/2020 22:30:00 | 91 | 18375.0 | 2600.0 | 0.0 | -2600.0 | 14.15 | 0.00 | 1.742 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 22:45:00 | 92 | 18375.0 | 2590.0 | 0.0 | -2590.0 | 14.1 | 0.00 | -2.323 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 23:00:00 | 93 | 18375.0 | 2572.5 | 0.0 | -2572.5 | 14.0 | 0.00 | -2.903 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 23:15:00 | 94 | 18375.0 | 2527.5 | 0.0 | -2527.5 | 13.76 | 0.00 | 2.323 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 23:30:00 | 95 | 18375.0 | 2700.0 | 0.0 | -2700.0 | 14.69 | 0.00 | -3.222 | 0.000000 |
| Aranvihira 132kV | 06/01/2020 23:45:00 | 96 | 18375.0 | 2662.5 | 0.0 | -2662.5 | 14.49 | 0.00 | 2.323 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 00:00:00 | 1 | 18375.0 | 2692.5 | 0.0 | -2692.5 | 14.65 | 0.00 | -0.549 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 00:15:00 | 2 | 18375.0 | 2607.5 | 0.0 | -2607.5 | 14.19 | 0.00 | -1.647 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 00:30:00 | 3 | 18375.0 | 2587.5 | 0.0 | -2587.5 | 14.08 | 0.00 | -3.073 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 00:45:00 | 4 | 18375.0 | 2755.0 | 0.0 | -2755.0 | 14.99 | 0.00 | -2.744 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 01:00:00 | 5 | 18375.0 | 2615.0 | 0.0 | -2615.0 | 14.23 | 0.00 | -4.058 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 01:15:00 | 6 | 18375.0 | 2530.0 | 0.0 | -2530.0 | 13.77 | 0.00 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aranvihira 132kV | 07/01/2020 01:30:00 | 7 | 18375.0 | 3862.5 | 0.0 | -3862.5 | 21.02 | 553.13 | -3.401 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 01:45:00 | 8 | 18375.0 | 3787.5 | 0.0 | -3787.5 | 20.61 | 515.63 | 3.730 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 02:00:00 | 9 | 18375.0 | 3862.5 | 0.0 | -3862.5 | 21.02 | 553.13 | 3.073 | 840.895027 |
| Aranvihira 132kV | 07/01/2020 02:15:00 | 10 | 18375.0 | 3997.5 | 0.0 | -3997.5 | 21.76 | 620.63 | 3.073 | 389.155337 |
| Aranvihira 132kV | 07/01/2020 02:30:00 | 11 | 18375.0 | 3780.0 | 0.0 | -3780.0 | 20.57 | 511.88 | 3.401 | 514.692610 |
| Aranvihira 132kV | 07/01/2020 02:45:00 | 12 | 18375.0 | 3945.0 | 0.0 | -3945.0 | 21.47 | 594.38 | 2.745 | 535.755995 |
| Aranvihira 132kV | 07/01/2020 03:00:00 | 13 | 18375.0 | 3932.5 | 0.0 | -3932.5 | 21.4 | 588.13 | 1.647 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 03:15:00 | 14 | 18375.0 | 3945.0 | 0.0 | -3945.0 | 21.47 | 594.38 | 2.196 | 253.082337 |
| Aranvihira 132kV | 07/01/2020 03:30:00 | 15 | 18375.0 | 3942.5 | 0.0 | -3942.5 | 21.46 | 593.13 | 1.647 | 336.495029 |
| Aranvihira 132kV | 07/01/2020 03:45:00 | 16 | 18375.0 | 3820.0 | 0.0 | -3820.0 | 20.79 | 531.88 | 1.098 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 04:00:00 | 17 | 18375.0 | 3840.0 | 0.0 | -3840.0 | 20.9 | 541.88 | 1.647 | 1406.207674 |
| Aranvihira 132kV | 07/01/2020 04:15:00 | 18 | 18375.0 | 3817.5 | 0.0 | -3817.5 | 20.78 | 530.63 | 2.210 | 2733.170095 |
| Aranvihira 132kV | 07/01/2020 04:30:00 | 19 | 18375.0 | 3810.0 | 0.0 | -3810.0 | 20.73 | 526.88 | 3.730 | 3851.878668 |
| Aranvihira 132kV | 07/01/2020 04:45:00 | 20 | 18375.0 | 3887.5 | 0.0 | -3887.5 | 21.16 | 565.63 | -1.098 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 05:00:00 | 21 | 18375.0 | 3915.0 | 0.0 | -3915.0 | 21.31 | 579.38 | -2.744 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 05:15:00 | 22 | 18375.0 | 3850.0 | 0.0 | -3850.0 | 20.95 | 546.88 | 3.730 | 1977.816022 |
| Aranvihira 132kV | 07/01/2020 05:30:00 | 23 | 18375.0 | 3840.0 | 0.0 | -3840.0 | 20.9 | 541.88 | 3.073 | 4431.744857 |
| Aranvihira 132kV | 07/01/2020 05:45:00 | 24 | 18375.0 | 3822.5 | 0.0 | -3822.5 | 20.8 | 533.13 | 3.730 | 3427.100725 |
| Aranvihira 132kV | 07/01/2020 06:00:00 | 25 | 18375.0 | 3777.5 | 0.0 | -3777.5 | 20.56 | 510.63 | -5.372 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 06:15:00 | 26 | 18375.0 | 3950.0 | 0.0 | -3950.0 | 21.5 | 596.88 | 4.556 | 13161.786353 |
| Aranvihira 132kV | 07/01/2020 06:30:00 | 27 | 18375.0 | 2662.5 | 0.0 | -2662.5 | 14.49 | 0.00 | 7.148 | 15360.465922 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aranvihira 132kV | 07/01/2020 06:45:00 | 28 | 18375.0 | 2692.5 | 0.0 | -2692.5 | 14.65 | 0.00 | 7.821 | 14243.899759 |
| Aranvihira 132kV | 07/01/2020 07:00:00 | 29 | 18375.0 | 2607.5 | 0.0 | -2607.5 | 14.19 | 0.00 | 5.372 | 6929.294867 |
| Aranvihira 132kV | 07/01/2020 07:15:00 | 30 | 18375.0 | 2587.5 | 0.0 | -2587.5 | 14.08 | 0.00 | 16.000 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 07:30:00 | 31 | 18375.0 | 2562.5 | 0.0 | -2562.5 | 13.95 | 0.00 | 9.296 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 07:45:00 | 32 | 18375.0 | 2615.0 | 0.0 | -2615.0 | 14.23 | 0.00 | 9.794 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 08:00:00 | 33 | 18375.0 | 2530.0 | 0.0 | -2530.0 | 13.77 | 0.00 | 3.593 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 08:15:00 | 34 | 18375.0 | 2612.5 | 0.0 | -2612.5 | 14.22 | 0.00 | 3.401 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 08:30:00 | 35 | 18375.0 | 2537.5 | 0.0 | -2537.5 | 13.81 | 0.00 | 3.245 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 08:45:00 | 36 | 18375.0 | 2612.5 | 0.0 | -2612.5 | 14.22 | 0.00 | 0.000 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 09:00:00 | 37 | 18375.0 | 3802.5 | 0.0 | -3802.5 | 20.69 | 523.13 | 2.745 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 09:15:00 | 38 | 18375.0 | 3777.5 | 0.0 | -3777.5 | 20.56 | 510.63 | 4.715 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 09:30:00 | 39 | 18375.0 | 3580.0 | 0.0 | -3580.0 | 19.48 | 411.88 | 3.981 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 09:45:00 | 40 | 18375.0 | 3530.0 | 0.0 | -3530.0 | 19.21 | 386.88 | 3.730 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 10:00:00 | 41 | 18375.0 | 3302.5 | 0.0 | -3302.5 | 17.97 | 273.13 | 1.780 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 10:15:00 | 42 | 18375.0 | 3035.0 | 0.0 | -3035.0 | 16.52 | 139.38 | 5.643 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 10:30:00 | 43 | 18375.0 | 2570.0 | 0.0 | -2570.0 | 13.99 | 0.00 | 4.976 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 10:45:00 | 44 | 18375.0 | 2590.0 | 0.0 | -2590.0 | 14.1 | 0.00 | 4.415 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 11:00:00 | 45 | 18375.0 | 2567.5 | 0.0 | -2567.5 | 13.97 | 0.00 | 4.476 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 11:15:00 | 46 | 18375.0 | 2560.0 | 0.0 | -2560.0 | 13.93 | 0.00 | 4.826 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 11:30:00 | 47 | 18375.0 | 2637.5 | 0.0 | -2637.5 | 14.35 | 0.00 | 2.289 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 11:45:00 | 48 | 18375.0 | 2665.0 | 0.0 | -2665.0 | 14.5 | 0.00 | -0.549 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aranvihira 132kV | 07/01/2020 12:00:00 | 49 | 18375.0 | 3580.0 | 0.0 | -3580.0 | 19.48 | 411.88 | 4.727 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 12:15:00 | 50 | 18375.0 | 3552.5 | 0.0 | -3552.5 | 19.33 | 398.13 | 4.777 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 12:30:00 | 51 | 18375.0 | 3302.5 | 0.0 | -3302.5 | 17.97 | 273.13 | 4.798 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 12:45:00 | 52 | 18375.0 | 3280.0 | 0.0 | -3280.0 | 17.85 | 261.88 | -3.401 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 13:00:00 | 53 | 18375.0 | 3027.5 | 0.0 | -3027.5 | 16.48 | 135.63 | -2.431 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 13:15:00 | 54 | 18375.0 | 3052.5 | 0.0 | -3052.5 | 16.61 | 148.13 | -4.387 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 13:30:00 | 55 | 18375.0 | 3085.0 | 0.0 | -3085.0 | 16.79 | 164.38 | -3.401 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 13:45:00 | 56 | 18375.0 | 2695.0 | 0.0 | -2695.0 | 14.67 | 0.00 | -5.044 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 14:00:00 | 57 | 18375.0 | 2692.5 | 0.0 | -2692.5 | 14.65 | 0.00 | 4.215 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 14:15:00 | 58 | 18375.0 | 2570.0 | 0.0 | -2570.0 | 13.99 | 0.00 | 9.552 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 14:30:00 | 59 | 18375.0 | 2590.0 | 0.0 | -2590.0 | 14.1 | 0.00 | 6.358 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 14:45:00 | 60 | 18375.0 | 2567.5 | 0.0 | -2567.5 | 13.97 | 0.00 | 2.744 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 15:00:00 | 61 | 18375.0 | 2560.0 | 0.0 | -2560.0 | 13.93 | 0.00 | -3.073 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 15:15:00 | 62 | 18375.0 | 2637.5 | 0.0 | -2637.5 | 14.35 | 0.00 | -4.058 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 15:30:00 | 63 | 18375.0 | 2665.0 | 0.0 | -2665.0 | 14.5 | 0.00 | -4.831 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 15:45:00 | 64 | 18375.0 | 2600.0 | 0.0 | -2600.0 | 14.15 | 0.00 | -5.372 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 16:00:00 | 65 | 18375.0 | 2590.0 | 0.0 | -2590.0 | 14.1 | 0.00 | 2.196 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 16:15:00 | 66 | 18375.0 | 2572.5 | 0.0 | -2572.5 | 14.0 | 0.00 | -3.401 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 16:30:00 | 67 | 18375.0 | 2527.5 | 0.0 | -2527.5 | 13.76 | 0.00 | 4.738 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 16:45:00 | 68 | 18375.0 | 2700.0 | 0.0 | -2700.0 | 14.69 | 0.00 | 7.343 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 17:00:00 | 69 | 18375.0 | 2662.5 | 0.0 | -2662.5 | 14.49 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aranvihira 132kV | 07/01/2020 17:15:00 | 70 | 18375.0 | 2692.5 | 0.0 | -2692.5 | 14.65 | 0.00 | 2.744 | 447.886949 |
| Aranvihira 132kV | 07/01/2020 17:30:00 | 71 | 18375.0 | 2607.5 | 0.0 | -2607.5 | 14.19 | 0.00 | 3.401 | 172.171753 |
| Aranvihira 132kV | 07/01/2020 17:45:00 | 72 | 18375.0 | 2587.5 | 0.0 | -2587.5 | 14.08 | 0.00 | -2.745 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 18:00:00 | 73 | 18375.0 | 2755.0 | 0.0 | -2755.0 | 14.99 | 0.00 | -3.073 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 18:15:00 | 74 | 18375.0 | 2615.0 | 0.0 | -2615.0 | 14.23 | 0.00 | -5.372 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 18:30:00 | 75 | 18375.0 | 2530.0 | 0.0 | -2530.0 | 13.77 | 0.00 | 3.401 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 18:45:00 | 76 | 18375.0 | 2612.5 | 0.0 | -2612.5 | 14.22 | 0.00 | -3.401 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 19:00:00 | 77 | 18375.0 | 2537.5 | 0.0 | -2537.5 | 13.81 | 0.00 | -3.730 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 19:15:00 | 78 | 18375.0 | 2612.5 | 0.0 | -2612.5 | 14.22 | 0.00 | -4.715 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 19:30:00 | 79 | 18375.0 | 2747.5 | 0.0 | -2747.5 | 14.95 | 0.00 | -4.058 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 19:45:00 | 80 | 18375.0 | 2530.0 | 0.0 | -2530.0 | 13.77 | 0.00 | -2.210 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 20:00:00 | 81 | 18375.0 | 2695.0 | 0.0 | -2695.0 | 14.67 | 0.00 | -2.348 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 20:15:00 | 82 | 18375.0 | 2682.5 | 0.0 | -2682.5 | 14.6 | 0.00 | 4.387 | 4186.448956 |
| Aranvihira 132kV | 07/01/2020 20:30:00 | 83 | 18375.0 | 2695.0 | 0.0 | -2695.0 | 14.67 | 0.00 | 3.816 | 5499.657070 |
| Aranvihira 132kV | 07/01/2020 20:45:00 | 84 | 18375.0 | 2692.5 | 0.0 | -2692.5 | 14.65 | 0.00 | 3.401 | 1322.922278 |
| Aranvihira 132kV | 07/01/2020 21:00:00 | 85 | 18375.0 | 2570.0 | 0.0 | -2570.0 | 13.99 | 0.00 | -4.058 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 21:15:00 | 86 | 18375.0 | 2590.0 | 0.0 | -2590.0 | 14.1 | 0.00 | 1.647 | 1372.790921 |
| Aranvihira 132kV | 07/01/2020 21:30:00 | 87 | 18375.0 | 2567.5 | 0.0 | -2567.5 | 13.97 | 0.00 | 2.196 | 818.734716 |
| Aranvihira 132kV | 07/01/2020 21:45:00 | 88 | 18375.0 | 2560.0 | 0.0 | -2560.0 | 13.93 | 0.00 | -2.196 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 22:00:00 | 89 | 18375.0 | 2637.5 | 0.0 | -2637.5 | 14.35 | 0.00 | -3.257 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 22:15:00 | 90 | 18375.0 | 2665.0 | 0.0 | -2665.0 | 14.5 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aranvihira 132kV | 07/01/2020 22:30:00 | 91 | 18375.0 | 2600.0 | 0.0 | -2600.0 | 14.15 | 0.00 | -1.098 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 22:45:00 | 92 | 18375.0 | 2590.0 | 0.0 | -2590.0 | 14.1 | 0.00 | -1.647 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 23:00:00 | 93 | 18375.0 | 2572.5 | 0.0 | -2572.5 | 14.0 | 0.00 | -3.401 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 23:15:00 | 94 | 18375.0 | 2527.5 | 0.0 | -2527.5 | 13.76 | 0.00 | 1.647 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 23:30:00 | 95 | 18375.0 | 2700.0 | 0.0 | -2700.0 | 14.69 | 0.00 | -2.196 | 0.000000 |
| Aranvihira 132kV | 07/01/2020 23:45:00 | 96 | 18375.0 | 2662.5 | 0.0 | -2662.5 | 14.49 | 0.00 | -0.549 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 00:00:00 | 1 | 18375.0 | 2692.5 | 0.0 | -2692.5 | 14.65 | 0.00 | -2.220 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 00:15:00 | 2 | 18375.0 | 2607.5 | 0.0 | -2607.5 | 14.19 | 0.00 | -3.101 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 00:30:00 | 3 | 18375.0 | 2587.5 | 0.0 | -2587.5 | 14.08 | 0.00 | -3.101 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 00:45:00 | 4 | 18375.0 | 2755.0 | 0.0 | -2755.0 | 14.99 | 0.00 | -2.424 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 01:00:00 | 5 | 18375.0 | 2615.0 | 0.0 | -2615.0 | 14.23 | 0.00 | -2.170 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 01:15:00 | 6 | 18375.0 | 2530.0 | 0.0 | -2530.0 | 13.77 | 0.00 | -1.761 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 01:30:00 | 7 | 18375.0 | 2612.5 | 0.0 | -2612.5 | 14.22 | 0.00 | -1.665 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 01:45:00 | 8 | 18375.0 | 2537.5 | 0.0 | -2537.5 | 13.81 | 0.00 | -1.665 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 02:00:00 | 9 | 18375.0 | 2612.5 | 0.0 | -2612.5 | 14.22 | 0.00 | -1.110 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 02:15:00 | 10 | 18375.0 | 2747.5 | 0.0 | -2747.5 | 14.95 | 0.00 | -1.347 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 02:30:00 | 11 | 18375.0 | 2530.0 | 0.0 | -2530.0 | 13.77 | 0.00 | -3.101 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 02:45:00 | 12 | 18375.0 | 3445.0 | 0.0 | -3445.0 | 18.75 | 344.38 | -2.220 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 03:00:00 | 13 | 18375.0 | 3432.5 | 0.0 | -3432.5 | 18.68 | 338.13 | -3.428 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 03:15:00 | 14 | 18375.0 | 3445.0 | 0.0 | -3445.0 | 18.75 | 344.38 | -2.220 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 03:30:00 | 15 | 18375.0 | 3442.5 | 0.0 | -3442.5 | 18.73 | 343.13 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aranvihira 132kV | 08/01/2020 03:45:00 | 16 | 18375.0 | 3320.0 | 0.0 | -3320.0 | 18.07 | 281.88 | -2.775 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 04:00:00 | 17 | 18375.0 | 3340.0 | 0.0 | -3340.0 | 18.18 | 291.88 | -3.101 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 04:15:00 | 18 | 18375.0 | 3317.5 | 0.0 | -3317.5 | 18.05 | 280.63 | -1.665 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 04:30:00 | 19 | 18375.0 | 3310.0 | 0.0 | -3310.0 | 18.01 | 276.88 | -2.220 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 04:45:00 | 20 | 18375.0 | 3387.5 | 0.0 | -3387.5 | 18.44 | 315.63 | -2.775 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 05:00:00 | 21 | 18375.0 | 3415.0 | 0.0 | -3415.0 | 18.59 | 329.38 | -1.110 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 05:15:00 | 22 | 18375.0 | 3350.0 | 0.0 | -3350.0 | 18.23 | 296.88 | 2.775 | 161.429990 |
| Aranvihira 132kV | 08/01/2020 05:30:00 | 23 | 18375.0 | 3340.0 | 0.0 | -3340.0 | 18.18 | 291.88 | -3.428 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 05:45:00 | 24 | 18375.0 | 2572.5 | 0.0 | -2572.5 | 14.0 | 0.00 | -2.775 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 06:00:00 | 25 | 18375.0 | 2527.5 | 0.0 | -2527.5 | 13.76 | 0.00 | -2.220 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 06:15:00 | 26 | 18375.0 | 2700.0 | 0.0 | -2700.0 | 14.69 | 0.00 | 2.220 | 552.811297 |
| Aranvihira 132kV | 08/01/2020 06:30:00 | 27 | 18375.0 | 2662.5 | 0.0 | -2662.5 | 14.49 | 0.00 | 5.387 | 4792.399578 |
| Aranvihira 132kV | 08/01/2020 06:45:00 | 28 | 18375.0 | 2692.5 | 0.0 | -2692.5 | 14.65 | 0.00 | -4.734 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 07:00:00 | 29 | 18375.0 | 2607.5 | 0.0 | -2607.5 | 14.19 | 0.00 | -4.407 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 07:15:00 | 30 | 18375.0 | 2587.5 | 0.0 | -2587.5 | 14.08 | 0.00 | 5.061 | 4560.684928 |
| Aranvihira 132kV | 08/01/2020 07:30:00 | 31 | 18375.0 | 2755.0 | 0.0 | -2755.0 | 14.99 | 0.00 | 5.714 | 4646.308180 |
| Aranvihira 132kV | 08/01/2020 07:45:00 | 32 | 18375.0 | 2615.0 | 0.0 | -2615.0 | 14.23 | 0.00 | 5.061 | 1733.834897 |
| Aranvihira 132kV | 08/01/2020 08:00:00 | 33 | 18375.0 | 2530.0 | 0.0 | -2530.0 | 13.77 | 0.00 | 2.775 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 08:15:00 | 34 | 18375.0 | 2612.5 | 0.0 | -2612.5 | 14.22 | 0.00 | 2.775 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 08:30:00 | 35 | 18375.0 | 2537.5 | 0.0 | -2537.5 | 13.81 | 0.00 | 5.387 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 08:45:00 | 36 | 18375.0 | 2612.5 | 0.0 | -2612.5 | 14.22 | 0.00 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aranvihira 132kV | 08/01/2020 09:00:00 | 37 | 18375.0 | 2747.5 | 0.0 | -2747.5 | 14.95 | 0.00 | 7.673 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 09:15:00 | 38 | 18375.0 | 2530.0 | 0.0 | -2530.0 | 13.77 | 0.00 | 7.673 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 09:30:00 | 39 | 18375.0 | 2695.0 | 0.0 | -2695.0 | 14.67 | 0.00 | 3.101 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 09:45:00 | 40 | 18375.0 | 2682.5 | 0.0 | -2682.5 | 14.6 | 0.00 | -3.101 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 10:00:00 | 41 | 18375.0 | 2695.0 | 0.0 | -2695.0 | 14.67 | 0.00 | -3.101 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 10:15:00 | 42 | 18375.0 | 2692.5 | 0.0 | -2692.5 | 14.65 | 0.00 | -3.101 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 10:30:00 | 43 | 18375.0 | 2570.0 | 0.0 | -2570.0 | 13.99 | 0.00 | -1.665 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 10:45:00 | 44 | 18375.0 | 2590.0 | 0.0 | -2590.0 | 14.1 | 0.00 | 0.000 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 11:00:00 | 45 | 18375.0 | 2567.5 | 0.0 | -2567.5 | 13.97 | 0.00 | -1.486 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 11:15:00 | 46 | 18375.0 | 2560.0 | 0.0 | -2560.0 | 13.93 | 0.00 | -1.305 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 11:30:00 | 47 | 18375.0 | 2637.5 | 0.0 | -2637.5 | 14.35 | 0.00 | -2.425 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 11:45:00 | 48 | 18375.0 | 2665.0 | 0.0 | -2665.0 | 14.5 | 0.00 | -2.775 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 12:00:00 | 49 | 18375.0 | 2600.0 | 0.0 | -2600.0 | 14.15 | 0.00 | -2.083 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 12:15:00 | 50 | 18375.0 | 2590.0 | 0.0 | -2590.0 | 14.1 | 0.00 | -3.242 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 12:30:00 | 51 | 18375.0 | 2572.5 | 0.0 | -2572.5 | 14.0 | 0.00 | -1.330 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 12:45:00 | 52 | 18375.0 | 2527.5 | 0.0 | -2527.5 | 13.76 | 0.00 | -0.830 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 13:00:00 | 53 | 18375.0 | 2700.0 | 0.0 | -2700.0 | 14.69 | 0.00 | 2.775 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 13:15:00 | 54 | 18375.0 | 2662.5 | 0.0 | -2662.5 | 14.49 | 0.00 | 0.000 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 13:30:00 | 55 | 18375.0 | 2682.5 | 0.0 | -2682.5 | 14.6 | 0.00 | -1.012 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 13:45:00 | 56 | 18375.0 | 2695.0 | 0.0 | -2695.0 | 14.67 | 0.00 | -1.087 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 14:00:00 | 57 | 18375.0 | 2692.5 | 0.0 | -2692.5 | 14.65 | 0.00 | -3.101 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aranvihira 132kV | 08/01/2020 14:15:00 | 58 | 18375.0 | 2570.0 | 0.0 | -2570.0 | 13.99 | 0.00 | -4.081 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 14:30:00 | 59 | 18375.0 | 2590.0 | 0.0 | -2590.0 | 14.1 | 0.00 | -2.996 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 14:45:00 | 60 | 18375.0 | 2567.5 | 0.0 | -2567.5 | 13.97 | 0.00 | -3.101 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 15:00:00 | 61 | 18375.0 | 2560.0 | 0.0 | -2560.0 | 13.93 | 0.00 | -1.879 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 15:15:00 | 62 | 18375.0 | 2637.5 | 0.0 | -2637.5 | 14.35 | 0.00 | -4.081 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 15:30:00 | 63 | 18375.0 | 2665.0 | 0.0 | -2665.0 | 14.5 | 0.00 | 4.938 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 15:45:00 | 64 | 18375.0 | 2600.0 | 0.0 | -2600.0 | 14.15 | 0.00 | 4.719 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 16:00:00 | 65 | 18375.0 | 4385.0 | 0.0 | -4385.0 | 23.86 | 814.38 | 0.555 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 16:15:00 | 66 | 18375.0 | 4335.0 | 0.0 | -4335.0 | 23.59 | 789.38 | -4.081 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 16:30:00 | 67 | 18375.0 | 4742.5 | 0.0 | -4742.5 | 25.81 | 1067.50 | -3.754 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 16:45:00 | 68 | 18375.0 | 4680.0 | 0.0 | -4680.0 | 25.47 | 1005.00 | -8.000 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 17:00:00 | 69 | 18375.0 | 4617.5 | 0.0 | -4617.5 | 25.13 | 942.50 | 0.000 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 17:15:00 | 70 | 18375.0 | 4515.0 | 0.0 | -4515.0 | 24.57 | 879.38 | 4.081 | 866.091598 |
| Aranvihira 132kV | 08/01/2020 17:30:00 | 71 | 18375.0 | 4112.5 | 0.0 | -4112.5 | 22.38 | 678.13 | -5.387 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 17:45:00 | 72 | 18375.0 | 3362.5 | 0.0 | -3362.5 | 18.3 | 303.13 | -3.101 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 18:00:00 | 73 | 18375.0 | 3075.0 | 0.0 | -3075.0 | 16.73 | 159.38 | -2.775 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 18:15:00 | 74 | 18375.0 | 3202.5 | 0.0 | -3202.5 | 17.43 | 223.13 | -3.101 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 18:30:00 | 75 | 18375.0 | 3307.5 | 0.0 | -3307.5 | 18.0 | 275.63 | -2.220 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 18:45:00 | 76 | 18375.0 | 3415.0 | 0.0 | -3415.0 | 18.59 | 329.38 | 2.220 | 2691.957588 |
| Aranvihira 132kV | 08/01/2020 19:00:00 | 77 | 18375.0 | 3862.5 | 0.0 | -3862.5 | 21.02 | 553.13 | 1.110 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 19:15:00 | 78 | 18375.0 | 3807.5 | 0.0 | -3807.5 | 20.72 | 525.63 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aranvihira 132kV | 08/01/2020 19:30:00 | 79 | 18375.0 | 3910.0 | 0.0 | -3910.0 | 21.28 | 576.88 | -2.220 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 19:45:00 | 80 | 18375.0 | 3870.0 | 0.0 | -3870.0 | 21.06 | 556.88 | -0.555 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 20:00:00 | 81 | 18375.0 | 3880.0 | 0.0 | -3880.0 | 21.12 | 561.88 | 2.775 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 20:15:00 | 82 | 18375.0 | 4030.0 | 0.0 | -4030.0 | 21.93 | 636.88 | 3.101 | 6738.488322 |
| Aranvihira 132kV | 08/01/2020 20:30:00 | 83 | 18375.0 | 4062.5 | 0.0 | -4062.5 | 22.11 | 653.13 | 4.408 | 9202.410799 |
| Aranvihira 132kV | 08/01/2020 20:45:00 | 84 | 18375.0 | 5780.0 | 0.0 | -5780.0 | 31.46 | 2105.00 | 3.101 | 3782.431641 |
| Aranvihira 132kV | 08/01/2020 21:00:00 | 85 | 18375.0 | 5987.5 | 0.0 | -5987.5 | 32.59 | 2312.50 | 3.101 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 21:15:00 | 86 | 18375.0 | 6070.0 | 0.0 | -6070.0 | 33.03 | 2395.00 | -0.555 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 21:30:00 | 87 | 18375.0 | 6150.0 | 0.0 | -6150.0 | 33.47 | 2475.00 | -1.110 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 21:45:00 | 88 | 18375.0 | 6282.5 | 0.0 | -6282.5 | 34.19 | 2607.50 | -1.110 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 22:00:00 | 89 | 18375.0 | 6462.5 | 0.0 | -6462.5 | 35.17 | 2803.13 | -2.489 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 22:15:00 | 90 | 18375.0 | 6555.0 | 0.0 | -6555.0 | 35.67 | 2941.88 | -2.775 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 22:30:00 | 91 | 18375.0 | 6392.5 | 0.0 | -6392.5 | 34.79 | 2717.50 | -2.223 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 22:45:00 | 92 | 18375.0 | 6345.0 | 0.0 | -6345.0 | 34.53 | 2670.00 | 1.110 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 23:00:00 | 93 | 18375.0 | 6390.0 | 0.0 | -6390.0 | 34.78 | 2715.00 | 1.110 | 682.202808 |
| Aranvihira 132kV | 08/01/2020 23:15:00 | 94 | 18375.0 | 6620.0 | 0.0 | -6620.0 | 36.03 | 3039.38 | 1.110 | 0.000000 |
| Aranvihira 132kV | 08/01/2020 23:30:00 | 95 | 18375.0 | 6655.0 | 0.0 | -6655.0 | 36.22 | 3091.88 | 2.775 | 60.497407 |
| Aranvihira 132kV | 08/01/2020 23:45:00 | 96 | 18375.0 | 6792.5 | 0.0 | -6792.5 | 36.97 | 3298.13 | 0.000 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 00:00:00 | 1 | 18375.0 | 6272.5 | 0.0 | -6272.5 | 34.14 | 2597.50 | -0.576 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 00:15:00 | 2 | 18375.0 | 6362.5 | 0.0 | -6362.5 | 34.63 | 2687.50 | -1.727 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 00:30:00 | 3 | 18375.0 | 6430.0 | 0.0 | -6430.0 | 34.99 | 2755.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aranvihira 132kV | 09/01/2020 00:45:00 | 4 | 18375.0 | 6515.0 | 0.0 | -6515.0 | 35.46 | 2881.88 | -2.879 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 01:00:00 | 5 | 18375.0 | 6412.5 | 0.0 | -6412.5 | 34.9 | 2737.50 | -3.519 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 01:15:00 | 6 | 18375.0 | 6422.5 | 0.0 | -6422.5 | 34.95 | 2747.50 | -3.519 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 01:30:00 | 7 | 18375.0 | 6087.5 | 0.0 | -6087.5 | 33.13 | 2412.50 | -3.199 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 01:45:00 | 8 | 18375.0 | 5680.0 | 0.0 | -5680.0 | 30.91 | 2005.00 | 3.519 | 1380.169171 |
| Aranvihira 132kV | 09/01/2020 02:00:00 | 9 | 18375.0 | 5250.0 | 0.0 | -5250.0 | 28.57 | 1575.00 | 3.519 | 5779.766674 |
| Aranvihira 132kV | 09/01/2020 02:15:00 | 10 | 18375.0 | 4837.5 | 0.0 | -4837.5 | 26.33 | 1162.50 | 2.879 | 2335.725496 |
| Aranvihira 132kV | 09/01/2020 02:30:00 | 11 | 18375.0 | 7380.0 | 0.0 | -7380.0 | 40.16 | 4179.38 | 3.199 | 5126.791453 |
| Aranvihira 132kV | 09/01/2020 02:45:00 | 12 | 18375.0 | 7107.5 | 0.0 | -7107.5 | 38.68 | 3770.63 | 1.152 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 03:00:00 | 13 | 18375.0 | 7960.0 | 0.0 | -7960.0 | 43.32 | 5049.38 | -2.879 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 03:15:00 | 14 | 18375.0 | 8167.5 | 0.0 | -8167.5 | 44.45 | 5360.63 | -3.839 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 03:30:00 | 15 | 18375.0 | 8230.0 | 0.0 | -8230.0 | 44.79 | 5454.38 | 3.199 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 03:45:00 | 16 | 18375.0 | 7770.0 | 0.0 | -7770.0 | 42.29 | 4764.38 | 0.000 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 04:00:00 | 17 | 18375.0 | 7992.5 | 0.0 | -7992.5 | 43.5 | 5098.13 | 1.727 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 04:15:00 | 18 | 18375.0 | 7915.0 | 0.0 | -7915.0 | 43.07 | 4981.88 | 1.727 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 04:30:00 | 19 | 18375.0 | 8482.5 | 0.0 | -8482.5 | 46.16 | 5833.13 | 1.727 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 04:45:00 | 20 | 18375.0 | 8210.0 | 0.0 | -8210.0 | 44.68 | 5424.38 | 2.879 | 7075.460454 |
| Aranvihira 132kV | 09/01/2020 05:00:00 | 21 | 18375.0 | 7815.0 | 0.0 | -7815.0 | 42.53 | 4831.88 | 3.839 | 3901.081730 |
| Aranvihira 132kV | 09/01/2020 05:15:00 | 22 | 18375.0 | 7540.0 | 0.0 | -7540.0 | 41.03 | 4419.38 | 5.119 | 10642.730956 |
| Aranvihira 132kV | 09/01/2020 05:30:00 | 23 | 18375.0 | 8662.5 | 0.0 | -8662.5 | 47.14 | 6103.13 | 4.064 | 22283.448712 |
| Aranvihira 132kV | 09/01/2020 05:45:00 | 24 | 18375.0 | 8562.5 | 0.0 | -8562.5 | 46.6 | 5953.13 | 1.152 | 60.407082 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aranvihira 132kV | 09/01/2020 06:00:00 | 25 | 18375.0 | 8405.0 | 0.0 | -8405.0 | 45.74 | 5716.88 | -2.303 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 06:15:00 | 26 | 18375.0 | 8312.5 | 0.0 | -8312.5 | 45.24 | 5578.13 | 2.303 | 5529.051682 |
| Aranvihira 132kV | 09/01/2020 06:30:00 | 27 | 18375.0 | 8052.5 | 0.0 | -8052.5 | 43.82 | 5188.13 | -3.839 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 06:45:00 | 28 | 18375.0 | 7812.5 | 0.0 | -7812.5 | 42.52 | 4828.13 | -2.879 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 07:00:00 | 29 | 18375.0 | 5340.0 | 0.0 | -5340.0 | 29.06 | 1665.00 | -2.879 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 07:15:00 | 30 | 18375.0 | 5312.5 | 0.0 | -5312.5 | 28.91 | 1637.50 | 6.400 | 2643.004550 |
| Aranvihira 132kV | 09/01/2020 07:30:00 | 31 | 18375.0 | 5330.0 | 0.0 | -5330.0 | 29.01 | 1655.00 | 1.172 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 07:45:00 | 32 | 18375.0 | 5090.0 | 0.0 | -5090.0 | 27.7 | 1415.00 | 0.576 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 08:00:00 | 33 | 18375.0 | 5037.5 | 0.0 | -5037.5 | 27.41 | 1362.50 | -0.576 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 08:15:00 | 34 | 18375.0 | 5030.0 | 0.0 | -5030.0 | 27.37 | 1355.00 | -1.152 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 08:30:00 | 35 | 18375.0 | 4920.0 | 0.0 | -4920.0 | 26.78 | 1245.00 | 0.576 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 08:45:00 | 36 | 18375.0 | 4880.0 | 0.0 | -4880.0 | 26.56 | 1205.00 | 0.000 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 09:00:00 | 37 | 18375.0 | 4312.5 | 0.0 | -4312.5 | 23.47 | 778.13 | 1.152 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 09:15:00 | 38 | 18375.0 | 4095.0 | 0.0 | -4095.0 | 22.29 | 669.38 | 1.727 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 09:30:00 | 39 | 18375.0 | 3885.0 | 0.0 | -3885.0 | 21.14 | 564.38 | -3.839 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 09:45:00 | 40 | 18375.0 | 3727.5 | 0.0 | -3727.5 | 20.29 | 485.63 | -1.152 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 10:00:00 | 41 | 18375.0 | 3595.0 | 0.0 | -3595.0 | 19.56 | 419.38 | 0.000 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 10:15:00 | 42 | 18375.0 | 2562.5 | 0.0 | -2562.5 | 13.95 | 0.00 | 1.727 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 10:30:00 | 43 | 18375.0 | 2690.0 | 0.0 | -2690.0 | 14.64 | 0.00 | 2.303 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 10:45:00 | 44 | 18375.0 | 2620.0 | 0.0 | -2620.0 | 14.26 | 0.00 | -1.144 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 11:00:00 | 45 | 18375.0 | 2627.5 | 0.0 | -2627.5 | 14.3 | 0.00 | -4.479 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aranvihira 132kV | 09/01/2020 11:15:00 | 46 | 18375.0 | 2630.0 | 0.0 | -2630.0 | 14.31 | 0.00 | -3.519 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 11:30:00 | 47 | 18375.0 | 2547.5 | 0.0 | -2547.5 | 13.86 | 0.00 | -2.303 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 11:45:00 | 48 | 18375.0 | 2530.0 | 0.0 | -2530.0 | 13.77 | 0.00 | -0.576 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 12:00:00 | 49 | 18375.0 | 2612.5 | 0.0 | -2612.5 | 14.22 | 0.00 | 0.000 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 12:15:00 | 50 | 18375.0 | 2537.5 | 0.0 | -2537.5 | 13.81 | 0.00 | 3.839 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 12:30:00 | 51 | 18375.0 | 2612.5 | 0.0 | -2612.5 | 14.22 | 0.00 | 3.199 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 12:45:00 | 52 | 18375.0 | 2747.5 | 0.0 | -2747.5 | 14.95 | 0.00 | 3.199 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 13:00:00 | 53 | 18375.0 | 2530.0 | 0.0 | -2530.0 | 13.77 | 0.00 | -1.152 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 13:15:00 | 54 | 18375.0 | 2607.5 | 0.0 | -2607.5 | 14.19 | 0.00 | -1.152 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 13:30:00 | 55 | 18375.0 | 2587.5 | 0.0 | -2587.5 | 14.08 | 0.00 | 1.727 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 13:45:00 | 56 | 18375.0 | 2612.5 | 0.0 | -2612.5 | 14.22 | 0.00 | 3.199 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 14:00:00 | 57 | 18375.0 | 2615.0 | 0.0 | -2615.0 | 14.23 | 0.00 | 4.345 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 14:15:00 | 58 | 18375.0 | 2530.0 | 0.0 | -2530.0 | 13.77 | 0.00 | 3.941 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 14:30:00 | 59 | 18375.0 | 2612.5 | 0.0 | -2612.5 | 14.22 | 0.00 | 1.152 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 14:45:00 | 60 | 18375.0 | 2537.5 | 0.0 | -2537.5 | 13.81 | 0.00 | -0.576 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 15:00:00 | 61 | 18375.0 | 2612.5 | 0.0 | -2612.5 | 14.22 | 0.00 | -1.006 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 15:15:00 | 62 | 18375.0 | 2747.5 | 0.0 | -2747.5 | 14.95 | 0.00 | 3.199 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 15:30:00 | 63 | 18375.0 | 2530.0 | 0.0 | -2530.0 | 13.77 | 0.00 | 2.879 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 15:45:00 | 64 | 18375.0 | 2695.0 | 0.0 | -2695.0 | 14.67 | 0.00 | 3.839 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 16:00:00 | 65 | 18375.0 | 2682.5 | 0.0 | -2682.5 | 14.6 | 0.00 | 1.727 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 16:15:00 | 66 | 18375.0 | 2695.0 | 0.0 | -2695.0 | 14.67 | 0.00 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aranvihira 132kV | 09/01/2020 16:30:00 | 67 | 18375.0 | 2692.5 | 0.0 | -2692.5 | 14.65 | 0.00 | -4.159 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 16:45:00 | 68 | 18375.0 | 2570.0 | 0.0 | -2570.0 | 13.99 | 0.00 | 3.839 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 17:00:00 | 69 | 18375.0 | 2590.0 | 0.0 | -2590.0 | 14.1 | 0.00 | 1.727 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 17:15:00 | 70 | 18375.0 | 2567.5 | 0.0 | -2567.5 | 13.97 | 0.00 | 3.839 | 882.490266 |
| Aranvihira 132kV | 09/01/2020 17:30:00 | 71 | 18375.0 | 2560.0 | 0.0 | -2560.0 | 13.93 | 0.00 | -2.879 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 17:45:00 | 72 | 18375.0 | 2637.5 | 0.0 | -2637.5 | 14.35 | 0.00 | -4.146 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 18:00:00 | 73 | 18375.0 | 2665.0 | 0.0 | -2665.0 | 14.5 | 0.00 | -3.349 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 18:15:00 | 74 | 18375.0 | 2600.0 | 0.0 | -2600.0 | 14.15 | 0.00 | -4.563 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 18:30:00 | 75 | 18375.0 | 2590.0 | 0.0 | -2590.0 | 14.1 | 0.00 | -3.839 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 18:45:00 | 76 | 18375.0 | 2572.5 | 0.0 | -2572.5 | 14.0 | 0.00 | -2.879 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 19:00:00 | 77 | 18375.0 | 2527.5 | 0.0 | -2527.5 | 13.76 | 0.00 | -3.199 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 19:15:00 | 78 | 18375.0 | 2700.0 | 0.0 | -2700.0 | 14.69 | 0.00 | -1.727 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 19:30:00 | 79 | 18375.0 | 3960.0 | 0.0 | -3960.0 | 21.55 | 601.88 | -1.442 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 19:45:00 | 80 | 18375.0 | 3992.5 | 0.0 | -3992.5 | 21.73 | 618.13 | -0.286 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 20:00:00 | 81 | 18375.0 | 4120.0 | 0.0 | -4120.0 | 22.42 | 681.88 | -1.070 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 20:15:00 | 82 | 18375.0 | 4297.5 | 0.0 | -4297.5 | 23.39 | 770.63 | -2.236 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 20:30:00 | 83 | 18375.0 | 4345.0 | 0.0 | -4345.0 | 23.65 | 794.38 | -4.799 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 20:45:00 | 84 | 18375.0 | 4447.5 | 0.0 | -4447.5 | 24.2 | 845.63 | -1.727 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 21:00:00 | 85 | 18375.0 | 4550.0 | 0.0 | -4550.0 | 24.76 | 896.88 | -1.727 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 21:15:00 | 86 | 18375.0 | 3900.0 | 0.0 | -3900.0 | 21.22 | 571.88 | 1.152 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 21:30:00 | 87 | 18375.0 | 3960.0 | 0.0 | -3960.0 | 21.55 | 601.88 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aranvihira 132kV | 09/01/2020 21:45:00 | 88 | 18375.0 | 4040.0 | 0.0 | -4040.0 | 21.99 | 641.88 | -2.303 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 22:00:00 | 89 | 18375.0 | 4117.5 | 0.0 | -4117.5 | 22.41 | 680.63 | -2.795 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 22:15:00 | 90 | 18375.0 | 4212.5 | 0.0 | -4212.5 | 22.93 | 728.13 | -3.674 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 22:30:00 | 91 | 18375.0 | 4377.5 | 0.0 | -4377.5 | 23.82 | 810.63 | -2.303 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 22:45:00 | 92 | 18375.0 | 10087.5 | 0.0 | -10087.5 | 54.9 | 8240.63 | -1.152 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 23:00:00 | 93 | 18375.0 | 10162.5 | 0.0 | -10162.5 | 55.31 | 8353.13 | 0.000 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 23:15:00 | 94 | 18375.0 | 10162.5 | 0.0 | -10162.5 | 55.31 | 8353.13 | -0.576 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 23:30:00 | 95 | 18375.0 | 10145.0 | 0.0 | -10145.0 | 55.21 | 8326.88 | -0.576 | 0.000000 |
| Aranvihira 132kV | 09/01/2020 23:45:00 | 96 | 18375.0 | 10162.5 | 0.0 | -10162.5 | 55.31 | 8353.13 | -0.987 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 00:00:00 | 1 | 18375.0 | 11477.5 | 0.0 | -11477.5 | 62.46 | 10325.63 | -0.680 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 00:15:00 | 2 | 18375.0 | 11445.0 | 0.0 | -11445.0 | 62.29 | 10276.88 | -3.326 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 00:30:00 | 3 | 18375.0 | 11365.0 | 0.0 | -11365.0 | 61.85 | 10156.88 | -2.992 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 00:45:00 | 4 | 18375.0 | 11285.0 | 0.0 | -11285.0 | 61.41 | 10036.88 | -0.532 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 01:00:00 | 5 | 18375.0 | 12162.5 | 0.0 | -12162.5 | 66.19 | 11353.13 | -0.713 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 01:15:00 | 6 | 18375.0 | 12135.0 | 0.0 | -12135.0 | 66.04 | 11311.88 | -0.548 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 01:30:00 | 7 | 18375.0 | 11912.5 | 0.0 | -11912.5 | 64.83 | 10978.13 | -2.658 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 01:45:00 | 8 | 18375.0 | 11880.0 | 0.0 | -11880.0 | 64.65 | 10929.38 | 2.127 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 02:00:00 | 9 | 18375.0 | 11662.5 | 0.0 | -11662.5 | 63.47 | 10603.13 | 5.342 | 22851.150362 |
| Aranvihira 132kV | 10/01/2020 02:15:00 | 10 | 18375.0 | 11630.0 | 0.0 | -11630.0 | 63.29 | 10554.38 | 1.595 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 02:30:00 | 11 | 18375.0 | 11395.0 | 0.0 | -11395.0 | 62.01 | 10201.88 | 3.326 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 02:45:00 | 12 | 18375.0 | 11412.5 | 0.0 | -11412.5 | 62.11 | 10228.13 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aranvihira 132kV | 10/01/2020 03:00:00 | 13 | 18375.0 | 8780.0 | 0.0 | -8780.0 | 47.78 | 6279.38 | 2.658 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 03:15:00 | 14 | 18375.0 | 8637.5 | 0.0 | -8637.5 | 47.01 | 6065.63 | 2.127 | 1369.585993 |
| Aranvihira 132kV | 10/01/2020 03:30:00 | 15 | 18375.0 | 8417.5 | 0.0 | -8417.5 | 45.81 | 5735.63 | 2.127 | 1582.411647 |
| Aranvihira 132kV | 10/01/2020 03:45:00 | 16 | 18375.0 | 8245.0 | 0.0 | -8245.0 | 44.87 | 5476.88 | -1.063 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 04:00:00 | 17 | 18375.0 | 10475.0 | 0.0 | -10475.0 | 57.01 | 8821.88 | 1.595 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 04:15:00 | 18 | 18375.0 | 10342.5 | 0.0 | -10342.5 | 56.29 | 8623.13 | 3.326 | 6150.053040 |
| Aranvihira 132kV | 10/01/2020 04:30:00 | 19 | 18375.0 | 9977.5 | 0.0 | -9977.5 | 54.3 | 8075.63 | 3.326 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 04:45:00 | 20 | 18375.0 | 9952.5 | 0.0 | -9952.5 | 54.16 | 8038.13 | 2.127 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 05:00:00 | 21 | 18375.0 | 9785.0 | 0.0 | -9785.0 | 53.25 | 7786.88 | 2.992 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 05:15:00 | 22 | 18375.0 | 9680.0 | 0.0 | -9680.0 | 52.68 | 7629.38 | 1.063 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 05:30:00 | 23 | 18375.0 | 9585.0 | 0.0 | -9585.0 | 52.16 | 7486.88 | -2.658 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 05:45:00 | 24 | 18375.0 | 9330.0 | 0.0 | -9330.0 | 50.78 | 7104.38 | 2.127 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 06:00:00 | 25 | 18375.0 | 9890.0 | 0.0 | -9890.0 | 53.82 | 7944.38 | -2.127 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 06:15:00 | 26 | 18375.0 | 9792.5 | 0.0 | -9792.5 | 53.29 | 7798.13 | 2.658 | 2484.248954 |
| Aranvihira 132kV | 10/01/2020 06:30:00 | 27 | 18375.0 | 9530.0 | 0.0 | -9530.0 | 51.86 | 7404.38 | -2.992 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 06:45:00 | 28 | 18375.0 | 9300.0 | 0.0 | -9300.0 | 50.61 | 7059.38 | -3.077 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 07:00:00 | 29 | 18375.0 | 9122.5 | 0.0 | -9122.5 | 49.65 | 6793.13 | -0.687 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 07:15:00 | 30 | 18375.0 | 8930.0 | 0.0 | -8930.0 | 48.6 | 6504.38 | -2.658 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 07:30:00 | 31 | 18375.0 | 8165.0 | 0.0 | -8165.0 | 44.44 | 5356.88 | -1.063 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 07:45:00 | 32 | 18375.0 | 7417.5 | 0.0 | -7417.5 | 40.37 | 4235.63 | -2.658 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 08:00:00 | 33 | 18375.0 | 7207.5 | 0.0 | -7207.5 | 39.22 | 3920.63 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aranvihira 132kV | 10/01/2020 08:15:00 | 34 | 18375.0 | 6937.5 | 0.0 | -6937.5 | 37.76 | 3515.63 | -4.661 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 08:30:00 | 35 | 18375.0 | 4580.0 | 0.0 | -4580.0 | 24.93 | 911.88 | 5.663 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 08:45:00 | 36 | 18375.0 | 4562.5 | 0.0 | -4562.5 | 24.83 | 903.13 | 4.328 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 09:00:00 | 37 | 18375.0 | 4092.5 | 0.0 | -4092.5 | 22.27 | 668.13 | -4.995 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 09:15:00 | 38 | 18375.0 | 3775.0 | 0.0 | -3775.0 | 20.54 | 509.38 | -4.327 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 09:30:00 | 39 | 18375.0 | 3552.5 | 0.0 | -3552.5 | 19.33 | 398.13 | -2.127 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 09:45:00 | 40 | 18375.0 | 3202.5 | 0.0 | -3202.5 | 17.43 | 223.13 | -1.152 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 10:00:00 | 41 | 18375.0 | 2920.0 | 0.0 | -2920.0 | 15.89 | 81.88 | 0.000 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 10:15:00 | 42 | 18375.0 | 2800.0 | 0.0 | -2800.0 | 15.24 | 21.88 | -0.532 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 10:30:00 | 43 | 18375.0 | 2600.0 | 0.0 | -2600.0 | 14.15 | 0.00 | -1.063 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 10:45:00 | 44 | 18375.0 | 2590.0 | 0.0 | -2590.0 | 14.1 | 0.00 | 0.000 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 11:00:00 | 45 | 18375.0 | 2572.5 | 0.0 | -2572.5 | 14.0 | 0.00 | 2.658 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 11:15:00 | 46 | 18375.0 | 2527.5 | 0.0 | -2527.5 | 13.76 | 0.00 | 0.000 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 11:30:00 | 47 | 18375.0 | 2700.0 | 0.0 | -2700.0 | 14.69 | 0.00 | -1.595 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 11:45:00 | 48 | 18375.0 | 2662.5 | 0.0 | -2662.5 | 14.49 | 0.00 | 2.992 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 12:00:00 | 49 | 18375.0 | 2682.5 | 0.0 | -2682.5 | 14.6 | 0.00 | 0.000 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 12:15:00 | 50 | 18375.0 | 2695.0 | 0.0 | -2695.0 | 14.67 | 0.00 | 2.127 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 12:30:00 | 51 | 18375.0 | 2692.5 | 0.0 | -2692.5 | 14.65 | 0.00 | 1.595 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 12:45:00 | 52 | 18375.0 | 2570.0 | 0.0 | -2570.0 | 13.99 | 0.00 | -1.063 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 13:00:00 | 53 | 18375.0 | 2590.0 | 0.0 | -2590.0 | 14.1 | 0.00 | 2.658 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 13:15:00 | 54 | 18375.0 | 2567.5 | 0.0 | -2567.5 | 13.97 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aranvihira 132kV | 10/01/2020 13:30:00 | 55 | 18375.0 | 2560.0 | 0.0 | -2560.0 | 13.93 | 0.00 | 2.127 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 13:45:00 | 56 | 18375.0 | 2637.5 | 0.0 | -2637.5 | 14.35 | 0.00 | -3.326 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 14:00:00 | 57 | 18375.0 | 2665.0 | 0.0 | -2665.0 | 14.5 | 0.00 | -2.992 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 14:15:00 | 58 | 18375.0 | 2600.0 | 0.0 | -2600.0 | 14.15 | 0.00 | 3.660 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 14:30:00 | 59 | 18375.0 | 2590.0 | 0.0 | -2590.0 | 14.1 | 0.00 | -2.127 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 14:45:00 | 60 | 18375.0 | 2572.5 | 0.0 | -2572.5 | 14.0 | 0.00 | -2.127 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 15:00:00 | 61 | 18375.0 | 2527.5 | 0.0 | -2527.5 | 13.76 | 0.00 | 0.000 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 15:15:00 | 62 | 18375.0 | 2700.0 | 0.0 | -2700.0 | 14.69 | 0.00 | -2.992 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 15:30:00 | 63 | 18375.0 | 2662.5 | 0.0 | -2662.5 | 14.49 | 0.00 | -4.995 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 15:45:00 | 64 | 18375.0 | 2692.5 | 0.0 | -2692.5 | 14.65 | 0.00 | -4.327 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 16:00:00 | 65 | 18375.0 | 2607.5 | 0.0 | -2607.5 | 14.19 | 0.00 | -4.995 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 16:15:00 | 66 | 18375.0 | 2587.5 | 0.0 | -2587.5 | 14.08 | 0.00 | -8.000 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 16:30:00 | 67 | 18375.0 | 2755.0 | 0.0 | -2755.0 | 14.99 | 0.00 | -8.000 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 16:45:00 | 68 | 18375.0 | 2615.0 | 0.0 | -2615.0 | 14.23 | 0.00 | 4.327 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 17:00:00 | 69 | 18375.0 | 2530.0 | 0.0 | -2530.0 | 13.77 | 0.00 | 0.532 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 17:15:00 | 70 | 18375.0 | 2612.5 | 0.0 | -2612.5 | 14.22 | 0.00 | -1.595 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 17:30:00 | 71 | 18375.0 | 2537.5 | 0.0 | -2537.5 | 13.81 | 0.00 | -2.658 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 17:45:00 | 72 | 18375.0 | 2612.5 | 0.0 | -2612.5 | 14.22 | 0.00 | -2.127 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 18:00:00 | 73 | 18375.0 | 2747.5 | 0.0 | -2747.5 | 14.95 | 0.00 | -1.461 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 18:15:00 | 74 | 18375.0 | 2530.0 | 0.0 | -2530.0 | 13.77 | 0.00 | 3.326 | 889.082978 |
| Aranvihira 132kV | 10/01/2020 18:30:00 | 75 | 18375.0 | 2695.0 | 0.0 | -2695.0 | 14.67 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aranvihira 132kV | 10/01/2020 18:45:00 | 76 | 18375.0 | 2682.5 | 0.0 | -2682.5 | 14.6 | 0.00 | 3.994 | 447.774681 |
| Aranvihira 132kV | 10/01/2020 19:00:00 | 77 | 18375.0 | 2695.0 | 0.0 | -2695.0 | 14.67 | 0.00 | -2.127 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 19:15:00 | 78 | 18375.0 | 2692.5 | 0.0 | -2692.5 | 14.65 | 0.00 | -2.658 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 19:30:00 | 79 | 18375.0 | 3545.0 | 0.0 | -3545.0 | 19.29 | 394.38 | -3.660 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 19:45:00 | 80 | 18375.0 | 3732.5 | 0.0 | -3732.5 | 20.31 | 488.13 | -3.326 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 20:00:00 | 81 | 18375.0 | 3862.5 | 0.0 | -3862.5 | 21.02 | 553.13 | 3.660 | 941.557174 |
| Aranvihira 132kV | 10/01/2020 20:15:00 | 82 | 18375.0 | 3917.5 | 0.0 | -3917.5 | 21.32 | 580.63 | 3.660 | 4101.040760 |
| Aranvihira 132kV | 10/01/2020 20:30:00 | 83 | 18375.0 | 3917.5 | 0.0 | -3917.5 | 21.32 | 580.63 | 4.995 | 5822.035814 |
| Aranvihira 132kV | 10/01/2020 20:45:00 | 84 | 18375.0 | 4500.0 | 0.0 | -4500.0 | 24.49 | 871.88 | 2.992 | 4729.182941 |
| Aranvihira 132kV | 10/01/2020 21:00:00 | 85 | 18375.0 | 5135.0 | 0.0 | -5135.0 | 27.95 | 1460.00 | -3.660 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 21:15:00 | 86 | 18375.0 | 5340.0 | 0.0 | -5340.0 | 29.06 | 1665.00 | -1.595 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 21:30:00 | 87 | 18375.0 | 5657.5 | 0.0 | -5657.5 | 30.79 | 1982.50 | -1.063 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 21:45:00 | 88 | 18375.0 | 5862.5 | 0.0 | -5862.5 | 31.9 | 2187.50 | -0.532 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 22:00:00 | 89 | 18375.0 | 6075.0 | 0.0 | -6075.0 | 33.06 | 2400.00 | -1.595 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 22:15:00 | 90 | 18375.0 | 6135.0 | 0.0 | -6135.0 | 33.39 | 2460.00 | -2.127 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 22:30:00 | 91 | 18375.0 | 5890.0 | 0.0 | -5890.0 | 32.05 | 2215.00 | 1.063 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 22:45:00 | 92 | 18375.0 | 6007.5 | 0.0 | -6007.5 | 32.69 | 2332.50 | -2.658 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 23:00:00 | 93 | 18375.0 | 6152.5 | 0.0 | -6152.5 | 33.48 | 2477.50 | -2.658 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 23:15:00 | 94 | 18375.0 | 6212.5 | 0.0 | -6212.5 | 33.81 | 2537.50 | 0.000 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 23:30:00 | 95 | 18375.0 | 6242.5 | 0.0 | -6242.5 | 33.97 | 2567.50 | 0.000 | 0.000000 |
| Aranvihira 132kV | 10/01/2020 23:45:00 | 96 | 18375.0 | 6207.5 | 0.0 | -6207.5 | 33.78 | 2532.50 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aranvihira 132kV | 11/01/2020 00:00:00 | 1 | 18375.0 | 5687.5 | 0.0 | -5687.5 | 30.95 | 2012.50 | 0.000 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 00:15:00 | 2 | 18375.0 | 5857.5 | 0.0 | -5857.5 | 31.88 | 2182.50 | -2.629 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 00:30:00 | 3 | 18375.0 | 5955.0 | 0.0 | -5955.0 | 32.41 | 2280.00 | -1.577 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 00:45:00 | 4 | 18375.0 | 5080.0 | 0.0 | -5080.0 | 27.65 | 1405.00 | 2.103 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 01:00:00 | 5 | 18375.0 | 5062.5 | 0.0 | -5062.5 | 27.55 | 1387.50 | 2.964 | 2378.428978 |
| Aranvihira 132kV | 11/01/2020 01:15:00 | 6 | 18375.0 | 4912.5 | 0.0 | -4912.5 | 26.73 | 1237.50 | 1.052 | 323.988320 |
| Aranvihira 132kV | 11/01/2020 01:30:00 | 7 | 18375.0 | 4885.0 | 0.0 | -4885.0 | 26.59 | 1210.00 | 1.577 | 573.595671 |
| Aranvihira 132kV | 11/01/2020 01:45:00 | 8 | 18375.0 | 4907.5 | 0.0 | -4907.5 | 26.71 | 1232.50 | -0.526 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 02:00:00 | 9 | 18375.0 | 4635.0 | 0.0 | -4635.0 | 25.22 | 960.00 | -0.403 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 02:15:00 | 10 | 18375.0 | 4655.0 | 0.0 | -4655.0 | 25.33 | 980.00 | -0.630 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 02:30:00 | 11 | 18375.0 | 4630.0 | 0.0 | -4630.0 | 25.2 | 955.00 | -0.526 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 02:45:00 | 12 | 18375.0 | 4662.5 | 0.0 | -4662.5 | 25.37 | 987.50 | -0.526 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 03:00:00 | 13 | 18375.0 | 4635.0 | 0.0 | -4635.0 | 25.22 | 960.00 | -1.051 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 03:15:00 | 14 | 18375.0 | 4587.5 | 0.0 | -4587.5 | 24.97 | 915.63 | 0.000 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 03:30:00 | 15 | 18375.0 | 4590.0 | 0.0 | -4590.0 | 24.98 | 916.88 | 0.000 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 03:45:00 | 16 | 18375.0 | 8330.0 | 0.0 | -8330.0 | 45.33 | 5604.38 | 0.000 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 04:00:00 | 17 | 18375.0 | 8405.0 | 0.0 | -8405.0 | 45.74 | 5716.88 | 0.000 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 04:15:00 | 18 | 18375.0 | 8312.5 | 0.0 | -8312.5 | 45.24 | 5578.13 | -1.051 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 04:30:00 | 19 | 18375.0 | 8027.5 | 0.0 | -8027.5 | 43.69 | 5150.63 | -2.964 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 04:45:00 | 20 | 18375.0 | 7975.0 | 0.0 | -7975.0 | 43.4 | 5071.88 | -3.300 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 05:00:00 | 21 | 18375.0 | 7892.5 | 0.0 | -7892.5 | 42.95 | 4948.13 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aranvihira 132kV | 11/01/2020 05:15:00 | 22 | 18375.0 | 7755.0 | 0.0 | -7755.0 | 42.2 | 4741.88 | 5.314 | 9716.970446 |
| Aranvihira 132kV | 11/01/2020 05:30:00 | 23 | 18375.0 | 6087.5 | 0.0 | -6087.5 | 33.13 | 2412.50 | 2.964 | 3685.684854 |
| Aranvihira 132kV | 11/01/2020 05:45:00 | 24 | 18375.0 | 5902.5 | 0.0 | -5902.5 | 32.12 | 2227.50 | 2.103 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 06:00:00 | 25 | 18375.0 | 5535.0 | 0.0 | -5535.0 | 30.12 | 1860.00 | 3.636 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 06:15:00 | 26 | 18375.0 | 5335.0 | 0.0 | -5335.0 | 29.03 | 1660.00 | 2.964 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 06:30:00 | 27 | 18375.0 | 5125.0 | 0.0 | -5125.0 | 27.89 | 1450.00 | 4.105 | 3764.981043 |
| Aranvihira 132kV | 11/01/2020 06:45:00 | 28 | 18375.0 | 3590.0 | 0.0 | -3590.0 | 19.54 | 416.88 | 5.650 | 555.201790 |
| Aranvihira 132kV | 11/01/2020 07:00:00 | 29 | 18375.0 | 3557.5 | 0.0 | -3557.5 | 19.36 | 400.63 | 3.300 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 07:15:00 | 30 | 18375.0 | 3405.0 | 0.0 | -3405.0 | 18.53 | 324.38 | 5.314 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 07:30:00 | 31 | 18375.0 | 3062.5 | 0.0 | -3062.5 | 16.67 | 153.13 | 2.964 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 07:45:00 | 32 | 18375.0 | 3080.0 | 0.0 | -3080.0 | 16.76 | 161.88 | 2.103 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 08:00:00 | 33 | 18375.0 | 3090.0 | 0.0 | -3090.0 | 16.82 | 166.88 | -1.577 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 08:15:00 | 34 | 18375.0 | 3130.0 | 0.0 | -3130.0 | 17.03 | 186.88 | 3.300 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 08:30:00 | 35 | 18375.0 | 3052.5 | 0.0 | -3052.5 | 16.61 | 148.13 | 2.116 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 08:45:00 | 36 | 18375.0 | 2830.0 | 0.0 | -2830.0 | 15.4 | 36.88 | 2.964 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 09:00:00 | 37 | 18375.0 | 5097.5 | 0.0 | -5097.5 | 27.74 | 1422.50 | 6.681 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 09:15:00 | 38 | 18375.0 | 4897.5 | 0.0 | -4897.5 | 26.65 | 1222.50 | 6.657 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 09:30:00 | 39 | 18375.0 | 4835.0 | 0.0 | -4835.0 | 26.31 | 1160.00 | -6.322 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 09:45:00 | 40 | 18375.0 | 4735.0 | 0.0 | -4735.0 | 25.77 | 1060.00 | -2.103 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 10:00:00 | 41 | 18375.0 | 4545.0 | 0.0 | -4545.0 | 24.73 | 894.38 | 0.526 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 10:15:00 | 42 | 18375.0 | 4417.5 | 0.0 | -4417.5 | 24.04 | 830.63 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aranvihira 132kV | 11/01/2020 10:30:00 | 43 | 18375.0 | 4230.0 | 0.0 | -4230.0 | 23.02 | 736.88 | 0.000 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 10:45:00 | 44 | 18375.0 | 4112.5 | 0.0 | -4112.5 | 22.38 | 678.13 | 0.000 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 11:00:00 | 45 | 18375.0 | 2590.0 | 0.0 | -2590.0 | 14.1 | 0.00 | 0.000 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 11:15:00 | 46 | 18375.0 | 2567.5 | 0.0 | -2567.5 | 13.97 | 0.00 | -2.964 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 11:30:00 | 47 | 18375.0 | 2560.0 | 0.0 | -2560.0 | 13.93 | 0.00 | -4.307 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 11:45:00 | 48 | 18375.0 | 2637.5 | 0.0 | -2637.5 | 14.35 | 0.00 | -3.300 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 12:00:00 | 49 | 18375.0 | 2665.0 | 0.0 | -2665.0 | 14.5 | 0.00 | -0.526 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 12:15:00 | 50 | 18375.0 | 2600.0 | 0.0 | -2600.0 | 14.15 | 0.00 | -2.103 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 12:30:00 | 51 | 18375.0 | 2590.0 | 0.0 | -2590.0 | 14.1 | 0.00 | -2.629 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 12:45:00 | 52 | 18375.0 | 2572.5 | 0.0 | -2572.5 | 14.0 | 0.00 | -2.629 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 13:00:00 | 53 | 18375.0 | 2527.5 | 0.0 | -2527.5 | 13.76 | 0.00 | 0.000 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 13:15:00 | 54 | 18375.0 | 2700.0 | 0.0 | -2700.0 | 14.69 | 0.00 | -2.103 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 13:30:00 | 55 | 18375.0 | 2662.5 | 0.0 | -2662.5 | 14.49 | 0.00 | 2.629 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 13:45:00 | 56 | 18375.0 | 2600.0 | 0.0 | -2600.0 | 14.15 | 0.00 | 2.103 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 14:00:00 | 57 | 18375.0 | 2590.0 | 0.0 | -2590.0 | 14.1 | 0.00 | 1.051 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 14:15:00 | 58 | 18375.0 | 2572.5 | 0.0 | -2572.5 | 14.0 | 0.00 | 3.300 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 14:30:00 | 59 | 18375.0 | 2527.5 | 0.0 | -2527.5 | 13.76 | 0.00 | -3.636 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 14:45:00 | 60 | 18375.0 | 2700.0 | 0.0 | -2700.0 | 14.69 | 0.00 | 4.979 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 15:00:00 | 61 | 18375.0 | 2662.5 | 0.0 | -2662.5 | 14.49 | 0.00 | -2.964 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 15:15:00 | 62 | 18375.0 | 2692.5 | 0.0 | -2692.5 | 14.65 | 0.00 | -5.314 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 15:30:00 | 63 | 18375.0 | 2570.0 | 0.0 | -2570.0 | 13.99 | 0.00 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aranvihira 132kV | 11/01/2020 15:45:00 | 64 | 18375.0 | 2590.0 | 0.0 | -2590.0 | 14.1 | 0.00 | 4.643 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 16:00:00 | 65 | 18375.0 | 2567.5 | 0.0 | -2567.5 | 13.97 | 0.00 | 2.103 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 16:15:00 | 66 | 18375.0 | 2560.0 | 0.0 | -2560.0 | 13.93 | 0.00 | -2.964 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 16:30:00 | 67 | 18375.0 | 2637.5 | 0.0 | -2637.5 | 14.35 | 0.00 | -2.103 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 16:45:00 | 68 | 18375.0 | 2665.0 | 0.0 | -2665.0 | 14.5 | 0.00 | 3.972 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 17:00:00 | 69 | 18375.0 | 2600.0 | 0.0 | -2600.0 | 14.15 | 0.00 | -1.577 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 17:15:00 | 70 | 18375.0 | 2590.0 | 0.0 | -2590.0 | 14.1 | 0.00 | -1.577 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 17:30:00 | 71 | 18375.0 | 2572.5 | 0.0 | -2572.5 | 14.0 | 0.00 | 1.051 | 32.823415 |
| Aranvihira 132kV | 11/01/2020 17:45:00 | 72 | 18375.0 | 2527.5 | 0.0 | -2527.5 | 13.76 | 0.00 | -2.103 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 18:00:00 | 73 | 18375.0 | 2700.0 | 0.0 | -2700.0 | 14.69 | 0.00 | -2.964 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 18:15:00 | 74 | 18375.0 | 2662.5 | 0.0 | -2662.5 | 14.49 | 0.00 | -2.629 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 18:30:00 | 75 | 18375.0 | 2600.0 | 0.0 | -2600.0 | 14.15 | 0.00 | 2.103 | 91.396482 |
| Aranvihira 132kV | 11/01/2020 18:45:00 | 76 | 18375.0 | 2590.0 | 0.0 | -2590.0 | 14.1 | 0.00 | 0.526 | 266.580495 |
| Aranvihira 132kV | 11/01/2020 19:00:00 | 77 | 18375.0 | 2572.5 | 0.0 | -2572.5 | 14.0 | 0.00 | 2.103 | 1051.629140 |
| Aranvihira 132kV | 11/01/2020 19:15:00 | 78 | 18375.0 | 2527.5 | 0.0 | -2527.5 | 13.76 | 0.00 | -1.052 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 19:30:00 | 79 | 18375.0 | 2700.0 | 0.0 | -2700.0 | 14.69 | 0.00 | 2.964 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 19:45:00 | 80 | 18375.0 | 2662.5 | 0.0 | -2662.5 | 14.49 | 0.00 | 2.629 | 1980.465774 |
| Aranvihira 132kV | 11/01/2020 20:00:00 | 81 | 18375.0 | 2692.5 | 0.0 | -2692.5 | 14.65 | 0.00 | 2.629 | 437.883206 |
| Aranvihira 132kV | 11/01/2020 20:15:00 | 82 | 18375.0 | 2570.0 | 0.0 | -2570.0 | 13.99 | 0.00 | 4.307 | 1378.227573 |
| Aranvihira 132kV | 11/01/2020 20:30:00 | 83 | 18375.0 | 2590.0 | 0.0 | -2590.0 | 14.1 | 0.00 | 2.964 | 3561.278728 |
| Aranvihira 132kV | 11/01/2020 20:45:00 | 84 | 18375.0 | 2567.5 | 0.0 | -2567.5 | 13.97 | 0.00 | 2.629 | 3030.427584 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aranvihira 132kV | 11/01/2020 21:00:00 | 85 | 18375.0 | 4222.5 | 0.0 | -4222.5 | 22.98 | 733.13 | 3.636 | 905.169011 |
| Aranvihira 132kV | 11/01/2020 21:15:00 | 86 | 18375.0 | 4160.0 | 0.0 | -4160.0 | 22.64 | 701.88 | -1.577 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 21:30:00 | 87 | 18375.0 | 4267.5 | 0.0 | -4267.5 | 23.22 | 755.63 | -1.577 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 21:45:00 | 88 | 18375.0 | 4437.5 | 0.0 | -4437.5 | 24.15 | 840.63 | -1.052 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 22:00:00 | 89 | 18375.0 | 4225.0 | 0.0 | -4225.0 | 22.99 | 734.38 | -5.650 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 22:15:00 | 90 | 18375.0 | 4635.0 | 0.0 | -4635.0 | 25.22 | 960.00 | -5.650 | 0.000000 |
| Aranvihira 132kV | 11/01/2020 22:30:00 | 91 | 18375.0 | 5080.0 | 0.0 | -5080.0 | 27.65 | 1405.00 | 4.979 | 2449.355616 |
| Aranvihira 132kV | 11/01/2020 22:45:00 | 92 | 18375.0 | 5162.5 | 0.0 | -5162.5 | 28.1 | 1487.50 | 2.964 | 3241.961581 |
| Aranvihira 132kV | 11/01/2020 23:00:00 | 93 | 18375.0 | 5255.0 | 0.0 | -5255.0 | 28.6 | 1580.00 | 1.577 | 821.712494 |
| Aranvihira 132kV | 11/01/2020 23:15:00 | 94 | 18375.0 | 5420.0 | 0.0 | -5420.0 | 29.5 | 1745.00 | 1.074 | 693.216366 |
| Aranvihira 132kV | 11/01/2020 23:30:00 | 95 | 18375.0 | 5505.0 | 0.0 | -5505.0 | 29.96 | 1830.00 | 2.113 | 3173.568782 |
| Aranvihira 132kV | 11/01/2020 23:45:00 | 96 | 18375.0 | 5612.5 | 0.0 | -5612.5 | 30.54 | 1937.50 | 2.162 | 4171.234426 |
| Aranvihira 132kV | 12/01/2020 00:00:00 | 1 | 18375.0 | 5385.0 | 0.0 | -5385.0 | 29.31 | 1710.00 | 3.022 | 3312.140355 |
| Aranvihira 132kV | 12/01/2020 00:15:00 | 2 | 18375.0 | 5307.5 | 0.0 | -5307.5 | 28.88 | 1632.50 | -2.152 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 00:30:00 | 3 | 18375.0 | 5212.5 | 0.0 | -5212.5 | 28.37 | 1537.50 | -2.152 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 00:45:00 | 4 | 18375.0 | 5167.5 | 0.0 | -5167.5 | 28.12 | 1492.50 | -3.022 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 01:00:00 | 5 | 18375.0 | 5215.0 | 0.0 | -5215.0 | 28.38 | 1540.00 | -0.629 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 01:15:00 | 6 | 18375.0 | 5160.0 | 0.0 | -5160.0 | 28.08 | 1485.00 | -3.317 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 01:30:00 | 7 | 18375.0 | 4895.0 | 0.0 | -4895.0 | 26.64 | 1220.00 | -3.354 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 01:45:00 | 8 | 18375.0 | 4872.5 | 0.0 | -4872.5 | 26.52 | 1197.50 | -3.022 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 02:00:00 | 9 | 18375.0 | 4850.0 | 0.0 | -4850.0 | 26.39 | 1175.00 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aranvihira 132kV | 12/01/2020 02:15:00 | 10 | 18375.0 | 4377.5 | 0.0 | -4377.5 | 23.82 | 810.63 | -3.022 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 02:30:00 | 11 | 18375.0 | 4285.0 | 0.0 | -4285.0 | 23.32 | 764.38 | -2.690 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 02:45:00 | 12 | 18375.0 | 4307.5 | 0.0 | -4307.5 | 23.44 | 775.63 | -3.022 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 03:00:00 | 13 | 18375.0 | 4325.0 | 0.0 | -4325.0 | 23.54 | 784.38 | 3.354 | 2047.831446 |
| Aranvihira 132kV | 12/01/2020 03:15:00 | 14 | 18375.0 | 4335.0 | 0.0 | -4335.0 | 23.59 | 789.38 | 3.022 | 2517.182714 |
| Aranvihira 132kV | 12/01/2020 03:30:00 | 15 | 18375.0 | 4362.5 | 0.0 | -4362.5 | 23.74 | 803.13 | 3.354 | 939.549934 |
| Aranvihira 132kV | 12/01/2020 03:45:00 | 16 | 18375.0 | 3305.0 | 0.0 | -3305.0 | 17.99 | 274.38 | 2.152 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 04:00:00 | 17 | 18375.0 | 3162.5 | 0.0 | -3162.5 | 17.21 | 203.13 | -2.152 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 04:15:00 | 18 | 18375.0 | 3140.0 | 0.0 | -3140.0 | 17.09 | 191.88 | -3.022 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 04:30:00 | 19 | 18375.0 | 3070.0 | 0.0 | -3070.0 | 16.71 | 156.88 | 1.076 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 04:45:00 | 20 | 18375.0 | 3122.5 | 0.0 | -3122.5 | 16.99 | 183.13 | -3.022 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 05:00:00 | 21 | 18375.0 | 3082.5 | 0.0 | -3082.5 | 16.78 | 163.13 | 3.686 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 05:15:00 | 22 | 18375.0 | 3025.0 | 0.0 | -3025.0 | 16.46 | 134.38 | 3.686 | 3337.393427 |
| Aranvihira 132kV | 12/01/2020 05:30:00 | 23 | 18375.0 | 3032.5 | 0.0 | -3032.5 | 16.5 | 138.13 | -1.614 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 05:45:00 | 24 | 18375.0 | 3082.5 | 0.0 | -3082.5 | 16.78 | 163.13 | -0.496 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 06:00:00 | 25 | 18375.0 | 2935.0 | 0.0 | -2935.0 | 15.97 | 89.38 | 0.000 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 06:15:00 | 26 | 18375.0 | 3012.5 | 0.0 | -3012.5 | 16.39 | 128.13 | -0.430 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 06:30:00 | 27 | 18375.0 | 2975.0 | 0.0 | -2975.0 | 16.19 | 109.38 | -2.152 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 06:45:00 | 28 | 18375.0 | 2910.0 | 0.0 | -2910.0 | 15.84 | 76.88 | 4.681 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 07:00:00 | 29 | 18375.0 | 3002.5 | 0.0 | -3002.5 | 16.34 | 123.13 | 1.614 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 07:15:00 | 30 | 18375.0 | 3010.0 | 0.0 | -3010.0 | 16.38 | 126.88 | 3.838 | 2491.245786 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aranvihira 132kV | 12/01/2020 07:30:00 | 31 | 18375.0 | 2880.0 | 0.0 | -2880.0 | 15.67 | 61.88 | 3.022 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 07:45:00 | 32 | 18375.0 | 2775.0 | 0.0 | -2775.0 | 15.1 | 9.38 | 2.690 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 08:00:00 | 33 | 18375.0 | 2570.0 | 0.0 | -2570.0 | 13.99 | 0.00 | -2.690 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 08:15:00 | 34 | 18375.0 | 2590.0 | 0.0 | -2590.0 | 14.1 | 0.00 | -4.018 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 08:30:00 | 35 | 18375.0 | 2567.5 | 0.0 | -2567.5 | 13.97 | 0.00 | -2.690 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 08:45:00 | 36 | 18375.0 | 2560.0 | 0.0 | -2560.0 | 13.93 | 0.00 | 3.022 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 09:00:00 | 37 | 18375.0 | 2637.5 | 0.0 | -2637.5 | 14.35 | 0.00 | -3.354 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 09:15:00 | 38 | 18375.0 | 2665.0 | 0.0 | -2665.0 | 14.5 | 0.00 | -4.350 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 09:30:00 | 39 | 18375.0 | 2600.0 | 0.0 | -2600.0 | 14.15 | 0.00 | 2.152 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 09:45:00 | 40 | 18375.0 | 2590.0 | 0.0 | -2590.0 | 14.1 | 0.00 | -2.690 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 10:00:00 | 41 | 18375.0 | 2572.5 | 0.0 | -2572.5 | 14.0 | 0.00 | -3.354 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 10:15:00 | 42 | 18375.0 | 2527.5 | 0.0 | -2527.5 | 13.76 | 0.00 | -3.686 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 10:30:00 | 43 | 18375.0 | 2700.0 | 0.0 | -2700.0 | 14.69 | 0.00 | -1.614 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 10:45:00 | 44 | 18375.0 | 2662.5 | 0.0 | -2662.5 | 14.49 | 0.00 | 3.686 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 11:00:00 | 45 | 18375.0 | 2600.0 | 0.0 | -2600.0 | 14.15 | 0.00 | -3.354 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 11:15:00 | 46 | 18375.0 | 2590.0 | 0.0 | -2590.0 | 14.1 | 0.00 | -5.450 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 11:30:00 | 47 | 18375.0 | 2570.0 | 0.0 | -2570.0 | 13.99 | 0.00 | -6.009 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 11:45:00 | 48 | 18375.0 | 2590.0 | 0.0 | -2590.0 | 14.1 | 0.00 | 2.690 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 12:00:00 | 49 | 18375.0 | 2567.5 | 0.0 | -2567.5 | 13.97 | 0.00 | 3.686 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 12:15:00 | 50 | 18375.0 | 2560.0 | 0.0 | -2560.0 | 13.93 | 0.00 | -5.345 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 12:30:00 | 51 | 18375.0 | 2637.5 | 0.0 | -2637.5 | 14.35 | 0.00 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aranvihira 132kV | 12/01/2020 12:45:00 | 52 | 18375.0 | 2665.0 | 0.0 | -2665.0 | 14.5 | 0.00 | -5.345 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 13:00:00 | 53 | 18375.0 | 2600.0 | 0.0 | -2600.0 | 14.15 | 0.00 | -3.999 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 13:15:00 | 54 | 18375.0 | 2590.0 | 0.0 | -2590.0 | 14.1 | 0.00 | -4.350 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 13:30:00 | 55 | 18375.0 | 2572.5 | 0.0 | -2572.5 | 14.0 | 0.00 | -1.076 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 13:45:00 | 56 | 18375.0 | 2527.5 | 0.0 | -2527.5 | 13.76 | 0.00 | -2.690 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 14:00:00 | 57 | 18375.0 | 2700.0 | 0.0 | -2700.0 | 14.69 | 0.00 | -0.538 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 14:15:00 | 58 | 18375.0 | 2662.5 | 0.0 | -2662.5 | 14.49 | 0.00 | -2.152 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 14:30:00 | 59 | 18375.0 | 2600.0 | 0.0 | -2600.0 | 14.15 | 0.00 | -2.690 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 14:45:00 | 60 | 18375.0 | 2590.0 | 0.0 | -2590.0 | 14.1 | 0.00 | -1.076 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 15:00:00 | 61 | 18375.0 | 2637.5 | 0.0 | -2637.5 | 14.35 | 0.00 | 0.000 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 15:15:00 | 62 | 18375.0 | 2665.0 | 0.0 | -2665.0 | 14.5 | 0.00 | -2.690 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 15:30:00 | 63 | 18375.0 | 2600.0 | 0.0 | -2600.0 | 14.15 | 0.00 | -3.022 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 15:45:00 | 64 | 18375.0 | 2590.0 | 0.0 | -2590.0 | 14.1 | 0.00 | -3.686 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 16:00:00 | 65 | 18375.0 | 2572.5 | 0.0 | -2572.5 | 14.0 | 0.00 | -3.737 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 16:15:00 | 66 | 18375.0 | 2527.5 | 0.0 | -2527.5 | 13.76 | 0.00 | -5.786 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 16:30:00 | 67 | 18375.0 | 2700.0 | 0.0 | -2700.0 | 14.69 | 0.00 | -4.350 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 16:45:00 | 68 | 18375.0 | 2662.5 | 0.0 | -2662.5 | 14.49 | 0.00 | -1.614 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 17:00:00 | 69 | 18375.0 | 2600.0 | 0.0 | -2600.0 | 14.15 | 0.00 | 0.000 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 17:15:00 | 70 | 18375.0 | 2590.0 | 0.0 | -2590.0 | 14.1 | 0.00 | 2.690 | 671.467237 |
| Aranvihira 132kV | 12/01/2020 17:30:00 | 71 | 18375.0 | 2570.0 | 0.0 | -2570.0 | 13.99 | 0.00 | -3.022 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 17:45:00 | 72 | 18375.0 | 2590.0 | 0.0 | -2590.0 | 14.1 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aranvihira 132kV | 12/01/2020 18:00:00 | 73 | 18375.0 | 2567.5 | 0.0 | -2567.5 | 13.97 | 0.00 | -0.538 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 18:15:00 | 74 | 18375.0 | 2560.0 | 0.0 | -2560.0 | 13.93 | 0.00 | -4.350 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 18:30:00 | 75 | 18375.0 | 2637.5 | 0.0 | -2637.5 | 14.35 | 0.00 | 2.690 | 453.558068 |
| Aranvihira 132kV | 12/01/2020 18:45:00 | 76 | 18375.0 | 2665.0 | 0.0 | -2665.0 | 14.5 | 0.00 | 3.022 | 2952.463540 |
| Aranvihira 132kV | 12/01/2020 19:00:00 | 77 | 18375.0 | 2600.0 | 0.0 | -2600.0 | 14.15 | 0.00 | 3.686 | 925.228214 |
| Aranvihira 132kV | 12/01/2020 19:15:00 | 78 | 18375.0 | 2590.0 | 0.0 | -2590.0 | 14.1 | 0.00 | 2.690 | 54.708715 |
| Aranvihira 132kV | 12/01/2020 19:30:00 | 79 | 18375.0 | 2572.5 | 0.0 | -2572.5 | 14.0 | 0.00 | -3.022 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 19:45:00 | 80 | 18375.0 | 2527.5 | 0.0 | -2527.5 | 13.76 | 0.00 | -1.781 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 20:00:00 | 81 | 18375.0 | 2700.0 | 0.0 | -2700.0 | 14.69 | 0.00 | -3.021 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 20:15:00 | 82 | 18375.0 | 2637.5 | 0.0 | -2637.5 | 14.35 | 0.00 | -4.018 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 20:30:00 | 83 | 18375.0 | 2665.0 | 0.0 | -2665.0 | 14.5 | 0.00 | -3.354 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 20:45:00 | 84 | 18375.0 | 2600.0 | 0.0 | -2600.0 | 14.15 | 0.00 | -1.614 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 21:00:00 | 85 | 18375.0 | 3090.0 | 0.0 | -3090.0 | 16.82 | 166.88 | -4.350 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 21:15:00 | 86 | 18375.0 | 3072.5 | 0.0 | -3072.5 | 16.72 | 158.13 | -3.686 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 21:30:00 | 87 | 18375.0 | 3027.5 | 0.0 | -3027.5 | 16.48 | 135.63 | -1.614 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 21:45:00 | 88 | 18375.0 | 2552.5 | 0.0 | -2552.5 | 13.89 | 0.00 | 0.000 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 22:00:00 | 89 | 18375.0 | 2557.5 | 0.0 | -2557.5 | 13.92 | 0.00 | -3.354 | 0.000000 |
| Aranvihira 132kV | 12/01/2020 22:15:00 | 90 | 18375.0 | 2582.5 | 0.0 | -2582.5 | 14.05 | 0.00 | 4.350 | 3153.105481 |
| Aranvihira 132kV | 12/01/2020 22:30:00 | 91 | 18375.0 | 2590.0 | 0.0 | -2590.0 | 14.1 | 0.00 | 5.215 | 5963.828824 |
| Aranvihira 132kV | 12/01/2020 22:45:00 | 92 | 18375.0 | 2570.0 | 0.0 | -2570.0 | 13.99 | 0.00 | 3.022 | 579.302861 |
| Aranvihira 132kV | 12/01/2020 23:00:00 | 93 | 18375.0 | 2590.0 | 0.0 | -2590.0 | 14.1 | 0.00 | 3.022 | 1278.741526 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aranvihira 132kV | 12/01/2020 23:15:00 | 94 | 18375.0 | 2567.5 | 0.0 | -2567.5 | 13.97 | 0.00 | 2.152 | 1262.202598 |
| Aranvihira 132kV | 12/01/2020 23:30:00 | 95 | 18375.0 | 2560.0 | 0.0 | -2560.0 | 13.93 | 0.00 | 2.152 | 724.221550 |
| Aranvihira 132kV | 12/01/2020 23:45:00 | 96 | 18375.0 | 2637.5 | 0.0 | -2637.5 | 14.35 | 0.00 | 2.152 | 857.315715 |
| Atit 110kV | 06/01/2020 00:00:00 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.903 | 0.000000 |
| Atit 110kV | 06/01/2020 00:15:00 | 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Atit 110kV | 06/01/2020 00:30:00 | 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Atit 110kV | 06/01/2020 00:45:00 | 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.984 | 0.000000 |
| Atit 110kV | 06/01/2020 01:00:00 | 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.541 | 0.000000 |
| Atit 110kV | 06/01/2020 01:15:00 | 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |
| Atit 110kV | 06/01/2020 01:30:00 | 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.541 | 0.000000 |
| Atit 110kV | 06/01/2020 01:45:00 | 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.352 | 0.000000 |
| Atit 110kV | 06/01/2020 02:00:00 | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.747 | 0.000000 |
| Atit 110kV | 06/01/2020 02:15:00 | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.581 | 0.000000 |
| Atit 110kV | 06/01/2020 02:30:00 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.323 | 0.000000 |
| Atit 110kV | 06/01/2020 02:45:00 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Atit 110kV | 06/01/2020 03:00:00 | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Atit 110kV | 06/01/2020 03:15:00 | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.742 | 0.000000 |
| Atit 110kV | 06/01/2020 03:30:00 | 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |
| Atit 110kV | 06/01/2020 03:45:00 | 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.541 | 0.000000 |
| Atit 110kV | 06/01/2020 04:00:00 | 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.496 | 0.000000 |
| Atit 110kV | 06/01/2020 04:15:00 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Atit 110kV | 06/01/2020 04:30:00 | 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.859 | 0.000000 |
| Atit 110kV | 06/01/2020 04:45:00 | 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.815 | 0.000000 |
| Atit 110kV | 06/01/2020 05:00:00 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.859 | 0.000000 |
| Atit 110kV | 06/01/2020 05:15:00 | 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.407 | 0.000000 |
| Atit 110kV | 06/01/2020 05:30:00 | 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.496 | 0.000000 |
| Atit 110kV | 06/01/2020 05:45:00 | 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.492 | 0.000000 |
| Atit 110kV | 06/01/2020 06:00:00 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.452 | 0.000000 |
| Atit 110kV | 06/01/2020 06:15:00 | 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -6.089 | 0.000000 |
| Atit 110kV | 06/01/2020 06:30:00 | 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -7.044 | 0.000000 |
| Atit 110kV | 06/01/2020 06:45:00 | 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.682 | 0.000000 |
| Atit 110kV | 06/01/2020 07:00:00 | 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.859 | 0.000000 |
| Atit 110kV | 06/01/2020 07:15:00 | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.815 | 0.000000 |
| Atit 110kV | 06/01/2020 07:30:00 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.178 | 0.000000 |
| Atit 110kV | 06/01/2020 07:45:00 | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.540 | 0.000000 |
| Atit 110kV | 06/01/2020 08:00:00 | 33 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.859 | 0.000000 |
| Atit 110kV | 06/01/2020 08:15:00 | 34 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.452 | 0.000000 |
| Atit 110kV | 06/01/2020 08:30:00 | 35 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.178 | 0.000000 |
| Atit 110kV | 06/01/2020 08:45:00 | 36 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.859 | 0.000000 |
| Atit 110kV | 06/01/2020 09:00:00 | 37 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -6.407 | 0.000000 |
| Atit 110kV | 06/01/2020 09:15:00 | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -8.000 | 0.000000 |
| Atit 110kV | 06/01/2020 09:30:00 | 39 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.770 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Atit 110kV | 06/01/2020 09:45:00 | 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |
| Atit 110kV | 06/01/2020 10:00:00 | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.903 | 0.000000 |
| Atit 110kV | 06/01/2020 10:15:00 | 42 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.222 | 0.000000 |
| Atit 110kV | 06/01/2020 10:30:00 | 43 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.815 | 0.000000 |
| Atit 110kV | 06/01/2020 10:45:00 | 44 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.496 | 0.000000 |
| Atit 110kV | 06/01/2020 11:00:00 | 45 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 16.000 | 0.000000 |
| Atit 110kV | 06/01/2020 11:15:00 | 46 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.133 | 0.000000 |
| Atit 110kV | 06/01/2020 11:30:00 | 47 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.182 | 0.000000 |
| Atit 110kV | 06/01/2020 11:45:00 | 48 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.308 | 0.000000 |
| Atit 110kV | 06/01/2020 12:00:00 | 49 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.598 | 0.000000 |
| Atit 110kV | 06/01/2020 12:15:00 | 50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.431 | 0.000000 |
| Atit 110kV | 06/01/2020 12:30:00 | 51 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.540 | 0.000000 |
| Atit 110kV | 06/01/2020 12:45:00 | 52 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.903 | 0.000000 |
| Atit 110kV | 06/01/2020 13:00:00 | 53 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.161 | 0.000000 |
| Atit 110kV | 06/01/2020 13:15:00 | 54 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.859 | 0.000000 |
| Atit 110kV | 06/01/2020 13:30:00 | 55 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -6.407 | 0.000000 |
| Atit 110kV | 06/01/2020 13:45:00 | 56 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.452 | 0.000000 |
| Atit 110kV | 06/01/2020 14:00:00 | 57 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.452 | 0.000000 |
| Atit 110kV | 06/01/2020 14:15:00 | 58 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 16.000 | 0.000000 |
| Atit 110kV | 06/01/2020 14:30:00 | 59 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.035 | 0.000000 |
| Atit 110kV | 06/01/2020 14:45:00 | 60 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Atit 110kV | 06/01/2020 15:00:00 | 61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.367 | 0.000000 |
| Atit 110kV | 06/01/2020 15:15:00 | 62 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.904 | 0.000000 |
| Atit 110kV | 06/01/2020 15:30:00 | 63 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.482 | 0.000000 |
| Atit 110kV | 06/01/2020 15:45:00 | 64 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.225 | 0.000000 |
| Atit 110kV | 06/01/2020 16:00:00 | 65 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.895 | 0.000000 |
| Atit 110kV | 06/01/2020 16:15:00 | 66 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.089 | 0.000000 |
| Atit 110kV | 06/01/2020 16:30:00 | 67 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -8.000 | 0.000000 |
| Atit 110kV | 06/01/2020 16:45:00 | 68 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.178 | 0.000000 |
| Atit 110kV | 06/01/2020 17:00:00 | 69 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.742 | 0.000000 |
| Atit 110kV | 06/01/2020 17:15:00 | 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.903 | 0.000000 |
| Atit 110kV | 06/01/2020 17:30:00 | 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.178 | 0.000000 |
| Atit 110kV | 06/01/2020 17:45:00 | 72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.323 | 0.000000 |
| Atit 110kV | 06/01/2020 18:00:00 | 73 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.903 | 0.000000 |
| Atit 110kV | 06/01/2020 18:15:00 | 74 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.161 | 0.000000 |
| Atit 110kV | 06/01/2020 18:30:00 | 75 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.903 | 0.000000 |
| Atit 110kV | 06/01/2020 18:45:00 | 76 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.903 | 0.000000 |
| Atit 110kV | 06/01/2020 19:00:00 | 77 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.161 | 0.000000 |
| Atit 110kV | 06/01/2020 19:15:00 | 78 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.178 | 0.000000 |
| Atit 110kV | 06/01/2020 19:30:00 | 79 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.323 | 0.000000 |
| Atit 110kV | 06/01/2020 19:45:00 | 80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.178 | 0.000000 |
| Atit 110kV | 06/01/2020 20:00:00 | 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Atit 110kV | 06/01/2020 20:15:00 | 82 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.770 | 0.000000 |
| Atit 110kV | 06/01/2020 20:30:00 | 83 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.770 | 0.000000 |
| Atit 110kV | 06/01/2020 20:45:00 | 84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.178 | 0.000000 |
| Atit 110kV | 06/01/2020 21:00:00 | 85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |
| Atit 110kV | 06/01/2020 21:15:00 | 86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.742 | 0.000000 |
| Atit 110kV | 06/01/2020 21:30:00 | 87 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Atit 110kV | 06/01/2020 21:45:00 | 88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.161 | 0.000000 |
| Atit 110kV | 06/01/2020 22:00:00 | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.815 | 0.000000 |
| Atit 110kV | 06/01/2020 22:15:00 | 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.859 | 0.000000 |
| Atit 110kV | 06/01/2020 22:30:00 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.742 | 0.000000 |
| Atit 110kV | 06/01/2020 22:45:00 | 92 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.323 | 0.000000 |
| Atit 110kV | 06/01/2020 23:00:00 | 93 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.903 | 0.000000 |
| Atit 110kV | 06/01/2020 23:15:00 | 94 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Atit 110kV | 06/01/2020 23:30:00 | 95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.222 | 0.000000 |
| Atit 110kV | 06/01/2020 23:45:00 | 96 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Atit 110kV | 07/01/2020 00:00:00 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.549 | 0.000000 |
| Atit 110kV | 07/01/2020 00:15:00 | 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.647 | 0.000000 |
| Atit 110kV | 07/01/2020 00:30:00 | 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.073 | 0.000000 |
| Atit 110kV | 07/01/2020 00:45:00 | 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.744 | 0.000000 |
| Atit 110kV | 07/01/2020 01:00:00 | 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |
| Atit 110kV | 07/01/2020 01:15:00 | 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Atit 110kV | 07/01/2020 01:30:00 | 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Atit 110kV | 07/01/2020 01:45:00 | 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Atit 110kV | 07/01/2020 02:00:00 | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.073 | 0.000000 |
| Atit 110kV | 07/01/2020 02:15:00 | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.073 | 0.000000 |
| Atit 110kV | 07/01/2020 02:30:00 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.401 | 0.000000 |
| Atit 110kV | 07/01/2020 02:45:00 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.745 | 0.000000 |
| Atit 110kV | 07/01/2020 03:00:00 | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Atit 110kV | 07/01/2020 03:15:00 | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.196 | 0.000000 |
| Atit 110kV | 07/01/2020 03:30:00 | 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Atit 110kV | 07/01/2020 03:45:00 | 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.098 | 0.000000 |
| Atit 110kV | 07/01/2020 04:00:00 | 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Atit 110kV | 07/01/2020 04:15:00 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.210 | 0.000000 |
| Atit 110kV | 07/01/2020 04:30:00 | 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Atit 110kV | 07/01/2020 04:45:00 | 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.098 | 0.000000 |
| Atit 110kV | 07/01/2020 05:00:00 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.744 | 0.000000 |
| Atit 110kV | 07/01/2020 05:15:00 | 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Atit 110kV | 07/01/2020 05:30:00 | 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.073 | 0.000000 |
| Atit 110kV | 07/01/2020 05:45:00 | 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Atit 110kV | 07/01/2020 06:00:00 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.372 | 0.000000 |
| Atit 110kV | 07/01/2020 06:15:00 | 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.556 | 0.000000 |
| Atit 110kV | 07/01/2020 06:30:00 | 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.148 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Atit 110kV | 07/01/2020 06:45:00 | 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.821 | 0.000000 |
| Atit 110kV | 07/01/2020 07:00:00 | 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.372 | 0.000000 |
| Atit 110kV | 07/01/2020 07:15:00 | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 16.000 | 0.000000 |
| Atit 110kV | 07/01/2020 07:30:00 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 9.296 | 0.000000 |
| Atit 110kV | 07/01/2020 07:45:00 | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 9.794 | 0.000000 |
| Atit 110kV | 07/01/2020 08:00:00 | 33 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.593 | 0.000000 |
| Atit 110kV | 07/01/2020 08:15:00 | 34 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.401 | 0.000000 |
| Atit 110kV | 07/01/2020 08:30:00 | 35 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.245 | 0.000000 |
| Atit 110kV | 07/01/2020 08:45:00 | 36 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Atit 110kV | 07/01/2020 09:00:00 | 37 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.745 | 0.000000 |
| Atit 110kV | 07/01/2020 09:15:00 | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.715 | 0.000000 |
| Atit 110kV | 07/01/2020 09:30:00 | 39 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.981 | 0.000000 |
| Atit 110kV | 07/01/2020 09:45:00 | 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Atit 110kV | 07/01/2020 10:00:00 | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.780 | 0.000000 |
| Atit 110kV | 07/01/2020 10:15:00 | 42 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.643 | 0.000000 |
| Atit 110kV | 07/01/2020 10:30:00 | 43 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.976 | 0.000000 |
| Atit 110kV | 07/01/2020 10:45:00 | 44 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.415 | 0.000000 |
| Atit 110kV | 07/01/2020 11:00:00 | 45 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.476 | 0.000000 |
| Atit 110kV | 07/01/2020 11:15:00 | 46 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.826 | 0.000000 |
| Atit 110kV | 07/01/2020 11:30:00 | 47 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.289 | 0.000000 |
| Atit 110kV | 07/01/2020 11:45:00 | 48 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.549 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Atit 110kV | 07/01/2020 12:00:00 | 49 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.727 | 0.000000 |
| Atit 110kV | 07/01/2020 12:15:00 | 50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.777 | 0.000000 |
| Atit 110kV | 07/01/2020 12:30:00 | 51 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.798 | 0.000000 |
| Atit 110kV | 07/01/2020 12:45:00 | 52 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Atit 110kV | 07/01/2020 13:00:00 | 53 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.431 | 0.000000 |
| Atit 110kV | 07/01/2020 13:15:00 | 54 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.387 | 0.000000 |
| Atit 110kV | 07/01/2020 13:30:00 | 55 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Atit 110kV | 07/01/2020 13:45:00 | 56 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.044 | 0.000000 |
| Atit 110kV | 07/01/2020 14:00:00 | 57 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.215 | 0.000000 |
| Atit 110kV | 07/01/2020 14:15:00 | 58 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 9.552 | 0.000000 |
| Atit 110kV | 07/01/2020 14:30:00 | 59 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.358 | 0.000000 |
| Atit 110kV | 07/01/2020 14:45:00 | 60 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.744 | 0.000000 |
| Atit 110kV | 07/01/2020 15:00:00 | 61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.073 | 0.000000 |
| Atit 110kV | 07/01/2020 15:15:00 | 62 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |
| Atit 110kV | 07/01/2020 15:30:00 | 63 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.831 | 0.000000 |
| Atit 110kV | 07/01/2020 15:45:00 | 64 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.372 | 0.000000 |
| Atit 110kV | 07/01/2020 16:00:00 | 65 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.196 | 0.000000 |
| Atit 110kV | 07/01/2020 16:15:00 | 66 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Atit 110kV | 07/01/2020 16:30:00 | 67 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.738 | 0.000000 |
| Atit 110kV | 07/01/2020 16:45:00 | 68 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.343 | 0.000000 |
| Atit 110kV | 07/01/2020 17:00:00 | 69 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Atit 110kV | 07/01/2020 17:15:00 | 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.744 | 0.000000 |
| Atit 110kV | 07/01/2020 17:30:00 | 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.401 | 0.000000 |
| Atit 110kV | 07/01/2020 17:45:00 | 72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.745 | 0.000000 |
| Atit 110kV | 07/01/2020 18:00:00 | 73 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.073 | 0.000000 |
| Atit 110kV | 07/01/2020 18:15:00 | 74 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.372 | 0.000000 |
| Atit 110kV | 07/01/2020 18:30:00 | 75 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.401 | 0.000000 |
| Atit 110kV | 07/01/2020 18:45:00 | 76 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Atit 110kV | 07/01/2020 19:00:00 | 77 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.730 | 0.000000 |
| Atit 110kV | 07/01/2020 19:15:00 | 78 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.715 | 0.000000 |
| Atit 110kV | 07/01/2020 19:30:00 | 79 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |
| Atit 110kV | 07/01/2020 19:45:00 | 80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.210 | 0.000000 |
| Atit 110kV | 07/01/2020 20:00:00 | 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.348 | 0.000000 |
| Atit 110kV | 07/01/2020 20:15:00 | 82 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.387 | 0.000000 |
| Atit 110kV | 07/01/2020 20:30:00 | 83 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.816 | 0.000000 |
| Atit 110kV | 07/01/2020 20:45:00 | 84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.401 | 0.000000 |
| Atit 110kV | 07/01/2020 21:00:00 | 85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |
| Atit 110kV | 07/01/2020 21:15:00 | 86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Atit 110kV | 07/01/2020 21:30:00 | 87 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.196 | 0.000000 |
| Atit 110kV | 07/01/2020 21:45:00 | 88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.196 | 0.000000 |
| Atit 110kV | 07/01/2020 22:00:00 | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.257 | 0.000000 |
| Atit 110kV | 07/01/2020 22:15:00 | 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Atit 110kV | 07/01/2020 22:30:00 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.098 | 0.000000 |
| Atit 110kV | 07/01/2020 22:45:00 | 92 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.647 | 0.000000 |
| Atit 110kV | 07/01/2020 23:00:00 | 93 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Atit 110kV | 07/01/2020 23:15:00 | 94 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Atit 110kV | 07/01/2020 23:30:00 | 95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.196 | 0.000000 |
| Atit 110kV | 07/01/2020 23:45:00 | 96 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.549 | 0.000000 |
| Atit 110kV | 08/01/2020 00:00:00 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Atit 110kV | 08/01/2020 00:15:00 | 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Atit 110kV | 08/01/2020 00:30:00 | 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Atit 110kV | 08/01/2020 00:45:00 | 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.424 | 0.000000 |
| Atit 110kV | 08/01/2020 01:00:00 | 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.170 | 0.000000 |
| Atit 110kV | 08/01/2020 01:15:00 | 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.761 | 0.000000 |
| Atit 110kV | 08/01/2020 01:30:00 | 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.665 | 0.000000 |
| Atit 110kV | 08/01/2020 01:45:00 | 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.665 | 0.000000 |
| Atit 110kV | 08/01/2020 02:00:00 | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Atit 110kV | 08/01/2020 02:15:00 | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.347 | 0.000000 |
| Atit 110kV | 08/01/2020 02:30:00 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Atit 110kV | 08/01/2020 02:45:00 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Atit 110kV | 08/01/2020 03:00:00 | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.428 | 0.000000 |
| Atit 110kV | 08/01/2020 03:15:00 | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Atit 110kV | 08/01/2020 03:30:00 | 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |

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| Atit 110kV | 08/01/2020 03:45:00 | 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Atit 110kV | 08/01/2020 04:00:00 | 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Atit 110kV | 08/01/2020 04:15:00 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.665 | 0.000000 |
| Atit 110kV | 08/01/2020 04:30:00 | 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Atit 110kV | 08/01/2020 04:45:00 | 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Atit 110kV | 08/01/2020 05:00:00 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Atit 110kV | 08/01/2020 05:15:00 | 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Atit 110kV | 08/01/2020 05:30:00 | 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.428 | 0.000000 |
| Atit 110kV | 08/01/2020 05:45:00 | 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Atit 110kV | 08/01/2020 06:00:00 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Atit 110kV | 08/01/2020 06:15:00 | 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.220 | 0.000000 |
| Atit 110kV | 08/01/2020 06:30:00 | 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.387 | 0.000000 |
| Atit 110kV | 08/01/2020 06:45:00 | 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.734 | 0.000000 |
| Atit 110kV | 08/01/2020 07:00:00 | 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.407 | 0.000000 |
| Atit 110kV | 08/01/2020 07:15:00 | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.061 | 0.000000 |
| Atit 110kV | 08/01/2020 07:30:00 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.714 | 0.000000 |
| Atit 110kV | 08/01/2020 07:45:00 | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.061 | 0.000000 |
| Atit 110kV | 08/01/2020 08:00:00 | 33 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Atit 110kV | 08/01/2020 08:15:00 | 34 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Atit 110kV | 08/01/2020 08:30:00 | 35 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.387 | 0.000000 |
| Atit 110kV | 08/01/2020 08:45:00 | 36 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Atit 110kV | 08/01/2020 09:00:00 | 37 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.673 | 0.000000 |
| Atit 110kV | 08/01/2020 09:15:00 | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.673 | 0.000000 |
| Atit 110kV | 08/01/2020 09:30:00 | 39 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.101 | 0.000000 |
| Atit 110kV | 08/01/2020 09:45:00 | 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Atit 110kV | 08/01/2020 10:00:00 | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Atit 110kV | 08/01/2020 10:15:00 | 42 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Atit 110kV | 08/01/2020 10:30:00 | 43 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.665 | 0.000000 |
| Atit 110kV | 08/01/2020 10:45:00 | 44 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Atit 110kV | 08/01/2020 11:00:00 | 45 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.486 | 0.000000 |
| Atit 110kV | 08/01/2020 11:15:00 | 46 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.305 | 0.000000 |
| Atit 110kV | 08/01/2020 11:30:00 | 47 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.425 | 0.000000 |
| Atit 110kV | 08/01/2020 11:45:00 | 48 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Atit 110kV | 08/01/2020 12:00:00 | 49 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.083 | 0.000000 |
| Atit 110kV | 08/01/2020 12:15:00 | 50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.242 | 0.000000 |
| Atit 110kV | 08/01/2020 12:30:00 | 51 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.330 | 0.000000 |
| Atit 110kV | 08/01/2020 12:45:00 | 52 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.830 | 0.000000 |
| Atit 110kV | 08/01/2020 13:00:00 | 53 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Atit 110kV | 08/01/2020 13:15:00 | 54 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Atit 110kV | 08/01/2020 13:30:00 | 55 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.012 | 0.000000 |
| Atit 110kV | 08/01/2020 13:45:00 | 56 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.087 | 0.000000 |
| Atit 110kV | 08/01/2020 14:00:00 | 57 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Atit 110kV | 08/01/2020 14:15:00 | 58 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.081 | 0.000000 |
| Atit 110kV | 08/01/2020 14:30:00 | 59 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.996 | 0.000000 |
| Atit 110kV | 08/01/2020 14:45:00 | 60 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Atit 110kV | 08/01/2020 15:00:00 | 61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.879 | 0.000000 |
| Atit 110kV | 08/01/2020 15:15:00 | 62 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.081 | 0.000000 |
| Atit 110kV | 08/01/2020 15:30:00 | 63 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.938 | 0.000000 |
| Atit 110kV | 08/01/2020 15:45:00 | 64 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.719 | 0.000000 |
| Atit 110kV | 08/01/2020 16:00:00 | 65 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.555 | 0.000000 |
| Atit 110kV | 08/01/2020 16:15:00 | 66 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.081 | 0.000000 |
| Atit 110kV | 08/01/2020 16:30:00 | 67 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.754 | 0.000000 |
| Atit 110kV | 08/01/2020 16:45:00 | 68 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -8.000 | 0.000000 |
| Atit 110kV | 08/01/2020 17:00:00 | 69 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Atit 110kV | 08/01/2020 17:15:00 | 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.081 | 0.000000 |
| Atit 110kV | 08/01/2020 17:30:00 | 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.387 | 0.000000 |
| Atit 110kV | 08/01/2020 17:45:00 | 72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Atit 110kV | 08/01/2020 18:00:00 | 73 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Atit 110kV | 08/01/2020 18:15:00 | 74 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Atit 110kV | 08/01/2020 18:30:00 | 75 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Atit 110kV | 08/01/2020 18:45:00 | 76 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.220 | 0.000000 |
| Atit 110kV | 08/01/2020 19:00:00 | 77 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Atit 110kV | 08/01/2020 19:15:00 | 78 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Atit 110kV | 08/01/2020 19:30:00 | 79 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Atit 110kV | 08/01/2020 19:45:00 | 80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.555 | 0.000000 |
| Atit 110kV | 08/01/2020 20:00:00 | 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Atit 110kV | 08/01/2020 20:15:00 | 82 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.101 | 0.000000 |
| Atit 110kV | 08/01/2020 20:30:00 | 83 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.408 | 0.000000 |
| Atit 110kV | 08/01/2020 20:45:00 | 84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.101 | 0.000000 |
| Atit 110kV | 08/01/2020 21:00:00 | 85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.101 | 0.000000 |
| Atit 110kV | 08/01/2020 21:15:00 | 86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.555 | 0.000000 |
| Atit 110kV | 08/01/2020 21:30:00 | 87 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Atit 110kV | 08/01/2020 21:45:00 | 88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Atit 110kV | 08/01/2020 22:00:00 | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.489 | 0.000000 |
| Atit 110kV | 08/01/2020 22:15:00 | 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Atit 110kV | 08/01/2020 22:30:00 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.223 | 0.000000 |
| Atit 110kV | 08/01/2020 22:45:00 | 92 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Atit 110kV | 08/01/2020 23:00:00 | 93 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Atit 110kV | 08/01/2020 23:15:00 | 94 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Atit 110kV | 08/01/2020 23:30:00 | 95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Atit 110kV | 08/01/2020 23:45:00 | 96 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Atit 110kV | 09/01/2020 00:00:00 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Atit 110kV | 09/01/2020 00:15:00 | 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Atit 110kV | 09/01/2020 00:30:00 | 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Atit 110kV | 09/01/2020 00:45:00 | 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Atit 110kV | 09/01/2020 01:00:00 | 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.519 | 0.000000 |
| Atit 110kV | 09/01/2020 01:15:00 | 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.519 | 0.000000 |
| Atit 110kV | 09/01/2020 01:30:00 | 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.199 | 0.000000 |
| Atit 110kV | 09/01/2020 01:45:00 | 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.519 | 0.000000 |
| Atit 110kV | 09/01/2020 02:00:00 | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.519 | 0.000000 |
| Atit 110kV | 09/01/2020 02:15:00 | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.879 | 0.000000 |
| Atit 110kV | 09/01/2020 02:30:00 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.199 | 0.000000 |
| Atit 110kV | 09/01/2020 02:45:00 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |
| Atit 110kV | 09/01/2020 03:00:00 | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Atit 110kV | 09/01/2020 03:15:00 | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.839 | 0.000000 |
| Atit 110kV | 09/01/2020 03:30:00 | 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.199 | 0.000000 |
| Atit 110kV | 09/01/2020 03:45:00 | 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Atit 110kV | 09/01/2020 04:00:00 | 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Atit 110kV | 09/01/2020 04:15:00 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Atit 110kV | 09/01/2020 04:30:00 | 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Atit 110kV | 09/01/2020 04:45:00 | 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.879 | 0.000000 |
| Atit 110kV | 09/01/2020 05:00:00 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.839 | 0.000000 |
| Atit 110kV | 09/01/2020 05:15:00 | 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.119 | 0.000000 |
| Atit 110kV | 09/01/2020 05:30:00 | 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.064 | 0.000000 |
| Atit 110kV | 09/01/2020 05:45:00 | 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Atit 110kV | 09/01/2020 06:00:00 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.303 | 0.000000 |
| Atit 110kV | 09/01/2020 06:15:00 | 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.303 | 0.000000 |
| Atit 110kV | 09/01/2020 06:30:00 | 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.839 | 0.000000 |
| Atit 110kV | 09/01/2020 06:45:00 | 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Atit 110kV | 09/01/2020 07:00:00 | 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Atit 110kV | 09/01/2020 07:15:00 | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.400 | 0.000000 |
| Atit 110kV | 09/01/2020 07:30:00 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.172 | 0.000000 |
| Atit 110kV | 09/01/2020 07:45:00 | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.576 | 0.000000 |
| Atit 110kV | 09/01/2020 08:00:00 | 33 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Atit 110kV | 09/01/2020 08:15:00 | 34 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.152 | 0.000000 |
| Atit 110kV | 09/01/2020 08:30:00 | 35 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.576 | 0.000000 |
| Atit 110kV | 09/01/2020 08:45:00 | 36 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Atit 110kV | 09/01/2020 09:00:00 | 37 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |
| Atit 110kV | 09/01/2020 09:15:00 | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Atit 110kV | 09/01/2020 09:30:00 | 39 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.839 | 0.000000 |
| Atit 110kV | 09/01/2020 09:45:00 | 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.152 | 0.000000 |
| Atit 110kV | 09/01/2020 10:00:00 | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Atit 110kV | 09/01/2020 10:15:00 | 42 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Atit 110kV | 09/01/2020 10:30:00 | 43 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.303 | 0.000000 |
| Atit 110kV | 09/01/2020 10:45:00 | 44 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.144 | 0.000000 |
| Atit 110kV | 09/01/2020 11:00:00 | 45 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.479 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Atit 110kV | 09/01/2020 11:15:00 | 46 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.519 | 0.000000 |
| Atit 110kV | 09/01/2020 11:30:00 | 47 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.303 | 0.000000 |
| Atit 110kV | 09/01/2020 11:45:00 | 48 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Atit 110kV | 09/01/2020 12:00:00 | 49 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Atit 110kV | 09/01/2020 12:15:00 | 50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.839 | 0.000000 |
| Atit 110kV | 09/01/2020 12:30:00 | 51 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.199 | 0.000000 |
| Atit 110kV | 09/01/2020 12:45:00 | 52 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.199 | 0.000000 |
| Atit 110kV | 09/01/2020 13:00:00 | 53 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.152 | 0.000000 |
| Atit 110kV | 09/01/2020 13:15:00 | 54 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.152 | 0.000000 |
| Atit 110kV | 09/01/2020 13:30:00 | 55 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Atit 110kV | 09/01/2020 13:45:00 | 56 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.199 | 0.000000 |
| Atit 110kV | 09/01/2020 14:00:00 | 57 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.345 | 0.000000 |
| Atit 110kV | 09/01/2020 14:15:00 | 58 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.941 | 0.000000 |
| Atit 110kV | 09/01/2020 14:30:00 | 59 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |
| Atit 110kV | 09/01/2020 14:45:00 | 60 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Atit 110kV | 09/01/2020 15:00:00 | 61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.006 | 0.000000 |
| Atit 110kV | 09/01/2020 15:15:00 | 62 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.199 | 0.000000 |
| Atit 110kV | 09/01/2020 15:30:00 | 63 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.879 | 0.000000 |
| Atit 110kV | 09/01/2020 15:45:00 | 64 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.839 | 0.000000 |
| Atit 110kV | 09/01/2020 16:00:00 | 65 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Atit 110kV | 09/01/2020 16:15:00 | 66 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Atit 110kV | 09/01/2020 16:30:00 | 67 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.159 | 0.000000 |
| Atit 110kV | 09/01/2020 16:45:00 | 68 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.839 | 0.000000 |
| Atit 110kV | 09/01/2020 17:00:00 | 69 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Atit 110kV | 09/01/2020 17:15:00 | 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.839 | 0.000000 |
| Atit 110kV | 09/01/2020 17:30:00 | 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Atit 110kV | 09/01/2020 17:45:00 | 72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.146 | 0.000000 |
| Atit 110kV | 09/01/2020 18:00:00 | 73 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.349 | 0.000000 |
| Atit 110kV | 09/01/2020 18:15:00 | 74 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.563 | 0.000000 |
| Atit 110kV | 09/01/2020 18:30:00 | 75 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.839 | 0.000000 |
| Atit 110kV | 09/01/2020 18:45:00 | 76 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Atit 110kV | 09/01/2020 19:00:00 | 77 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.199 | 0.000000 |
| Atit 110kV | 09/01/2020 19:15:00 | 78 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Atit 110kV | 09/01/2020 19:30:00 | 79 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.442 | 0.000000 |
| Atit 110kV | 09/01/2020 19:45:00 | 80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.286 | 0.000000 |
| Atit 110kV | 09/01/2020 20:00:00 | 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.070 | 0.000000 |
| Atit 110kV | 09/01/2020 20:15:00 | 82 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.236 | 0.000000 |
| Atit 110kV | 09/01/2020 20:30:00 | 83 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.799 | 0.000000 |
| Atit 110kV | 09/01/2020 20:45:00 | 84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Atit 110kV | 09/01/2020 21:00:00 | 85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Atit 110kV | 09/01/2020 21:15:00 | 86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |
| Atit 110kV | 09/01/2020 21:30:00 | 87 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Atit 110kV | 09/01/2020 21:45:00 | 88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.303 | 0.000000 |
| Atit 110kV | 09/01/2020 22:00:00 | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.795 | 0.000000 |
| Atit 110kV | 09/01/2020 22:15:00 | 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.674 | 0.000000 |
| Atit 110kV | 09/01/2020 22:30:00 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.303 | 0.000000 |
| Atit 110kV | 09/01/2020 22:45:00 | 92 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.152 | 0.000000 |
| Atit 110kV | 09/01/2020 23:00:00 | 93 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Atit 110kV | 09/01/2020 23:15:00 | 94 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Atit 110kV | 09/01/2020 23:30:00 | 95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Atit 110kV | 09/01/2020 23:45:00 | 96 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.987 | 0.000000 |
| Atit 110kV | 10/01/2020 00:00:00 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.680 | 0.000000 |
| Atit 110kV | 10/01/2020 00:15:00 | 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.326 | 0.000000 |
| Atit 110kV | 10/01/2020 00:30:00 | 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.992 | 0.000000 |
| Atit 110kV | 10/01/2020 00:45:00 | 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.532 | 0.000000 |
| Atit 110kV | 10/01/2020 01:00:00 | 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.713 | 0.000000 |
| Atit 110kV | 10/01/2020 01:15:00 | 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.548 | 0.000000 |
| Atit 110kV | 10/01/2020 01:30:00 | 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Atit 110kV | 10/01/2020 01:45:00 | 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Atit 110kV | 10/01/2020 02:00:00 | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.342 | 0.000000 |
| Atit 110kV | 10/01/2020 02:15:00 | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.595 | 0.000000 |
| Atit 110kV | 10/01/2020 02:30:00 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.326 | 0.000000 |
| Atit 110kV | 10/01/2020 02:45:00 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Atit 110kV | 10/01/2020 03:00:00 | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.658 | 0.000000 |
| Atit 110kV | 10/01/2020 03:15:00 | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Atit 110kV | 10/01/2020 03:30:00 | 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Atit 110kV | 10/01/2020 03:45:00 | 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.063 | 0.000000 |
| Atit 110kV | 10/01/2020 04:00:00 | 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.595 | 0.000000 |
| Atit 110kV | 10/01/2020 04:15:00 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.326 | 0.000000 |
| Atit 110kV | 10/01/2020 04:30:00 | 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.326 | 0.000000 |
| Atit 110kV | 10/01/2020 04:45:00 | 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Atit 110kV | 10/01/2020 05:00:00 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.992 | 0.000000 |
| Atit 110kV | 10/01/2020 05:15:00 | 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.063 | 0.000000 |
| Atit 110kV | 10/01/2020 05:30:00 | 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Atit 110kV | 10/01/2020 05:45:00 | 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Atit 110kV | 10/01/2020 06:00:00 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.127 | 0.000000 |
| Atit 110kV | 10/01/2020 06:15:00 | 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.658 | 0.000000 |
| Atit 110kV | 10/01/2020 06:30:00 | 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.992 | 0.000000 |
| Atit 110kV | 10/01/2020 06:45:00 | 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.077 | 0.000000 |
| Atit 110kV | 10/01/2020 07:00:00 | 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.687 | 0.000000 |
| Atit 110kV | 10/01/2020 07:15:00 | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Atit 110kV | 10/01/2020 07:30:00 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.063 | 0.000000 |
| Atit 110kV | 10/01/2020 07:45:00 | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Atit 110kV | 10/01/2020 08:00:00 | 33 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Atit 110kV | 10/01/2020 08:15:00 | 34 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.661 | 0.000000 |
| Atit 110kV | 10/01/2020 08:30:00 | 35 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.663 | 0.000000 |
| Atit 110kV | 10/01/2020 08:45:00 | 36 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.328 | 0.000000 |
| Atit 110kV | 10/01/2020 09:00:00 | 37 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.995 | 0.000000 |
| Atit 110kV | 10/01/2020 09:15:00 | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.327 | 0.000000 |
| Atit 110kV | 10/01/2020 09:30:00 | 39 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.127 | 0.000000 |
| Atit 110kV | 10/01/2020 09:45:00 | 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.152 | 0.000000 |
| Atit 110kV | 10/01/2020 10:00:00 | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Atit 110kV | 10/01/2020 10:15:00 | 42 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.532 | 0.000000 |
| Atit 110kV | 10/01/2020 10:30:00 | 43 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.063 | 0.000000 |
| Atit 110kV | 10/01/2020 10:45:00 | 44 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Atit 110kV | 10/01/2020 11:00:00 | 45 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.658 | 0.000000 |
| Atit 110kV | 10/01/2020 11:15:00 | 46 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Atit 110kV | 10/01/2020 11:30:00 | 47 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.595 | 0.000000 |
| Atit 110kV | 10/01/2020 11:45:00 | 48 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.992 | 0.000000 |
| Atit 110kV | 10/01/2020 12:00:00 | 49 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Atit 110kV | 10/01/2020 12:15:00 | 50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Atit 110kV | 10/01/2020 12:30:00 | 51 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.595 | 0.000000 |
| Atit 110kV | 10/01/2020 12:45:00 | 52 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.063 | 0.000000 |
| Atit 110kV | 10/01/2020 13:00:00 | 53 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.658 | 0.000000 |
| Atit 110kV | 10/01/2020 13:15:00 | 54 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Atit 110kV | 10/01/2020 13:30:00 | 55 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Atit 110kV | 10/01/2020 13:45:00 | 56 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.326 | 0.000000 |
| Atit 110kV | 10/01/2020 14:00:00 | 57 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.992 | 0.000000 |
| Atit 110kV | 10/01/2020 14:15:00 | 58 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.660 | 0.000000 |
| Atit 110kV | 10/01/2020 14:30:00 | 59 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.127 | 0.000000 |
| Atit 110kV | 10/01/2020 14:45:00 | 60 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.127 | 0.000000 |
| Atit 110kV | 10/01/2020 15:00:00 | 61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Atit 110kV | 10/01/2020 15:15:00 | 62 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.992 | 0.000000 |
| Atit 110kV | 10/01/2020 15:30:00 | 63 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.995 | 0.000000 |
| Atit 110kV | 10/01/2020 15:45:00 | 64 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.327 | 0.000000 |
| Atit 110kV | 10/01/2020 16:00:00 | 65 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.995 | 0.000000 |
| Atit 110kV | 10/01/2020 16:15:00 | 66 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -8.000 | 0.000000 |
| Atit 110kV | 10/01/2020 16:30:00 | 67 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -8.000 | 0.000000 |
| Atit 110kV | 10/01/2020 16:45:00 | 68 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.327 | 0.000000 |
| Atit 110kV | 10/01/2020 17:00:00 | 69 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.532 | 0.000000 |
| Atit 110kV | 10/01/2020 17:15:00 | 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.595 | 0.000000 |
| Atit 110kV | 10/01/2020 17:30:00 | 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Atit 110kV | 10/01/2020 17:45:00 | 72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.127 | 0.000000 |
| Atit 110kV | 10/01/2020 18:00:00 | 73 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.461 | 0.000000 |
| Atit 110kV | 10/01/2020 18:15:00 | 74 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.326 | 0.000000 |
| Atit 110kV | 10/01/2020 18:30:00 | 75 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Atit 110kV | 10/01/2020 18:45:00 | 76 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.994 | 0.000000 |
| Atit 110kV | 10/01/2020 19:00:00 | 77 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.127 | 0.000000 |
| Atit 110kV | 10/01/2020 19:15:00 | 78 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Atit 110kV | 10/01/2020 19:30:00 | 79 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.660 | 0.000000 |
| Atit 110kV | 10/01/2020 19:45:00 | 80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.326 | 0.000000 |
| Atit 110kV | 10/01/2020 20:00:00 | 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.660 | 0.000000 |
| Atit 110kV | 10/01/2020 20:15:00 | 82 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.660 | 0.000000 |
| Atit 110kV | 10/01/2020 20:30:00 | 83 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.995 | 0.000000 |
| Atit 110kV | 10/01/2020 20:45:00 | 84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.992 | 0.000000 |
| Atit 110kV | 10/01/2020 21:00:00 | 85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.660 | 0.000000 |
| Atit 110kV | 10/01/2020 21:15:00 | 86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.595 | 0.000000 |
| Atit 110kV | 10/01/2020 21:30:00 | 87 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.063 | 0.000000 |
| Atit 110kV | 10/01/2020 21:45:00 | 88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.532 | 0.000000 |
| Atit 110kV | 10/01/2020 22:00:00 | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.595 | 0.000000 |
| Atit 110kV | 10/01/2020 22:15:00 | 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.127 | 0.000000 |
| Atit 110kV | 10/01/2020 22:30:00 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.063 | 0.000000 |
| Atit 110kV | 10/01/2020 22:45:00 | 92 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Atit 110kV | 10/01/2020 23:00:00 | 93 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Atit 110kV | 10/01/2020 23:15:00 | 94 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Atit 110kV | 10/01/2020 23:30:00 | 95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Atit 110kV | 10/01/2020 23:45:00 | 96 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Atit 110kV | 11/01/2020 00:00:00 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Atit 110kV | 11/01/2020 00:15:00 | 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.629 | 0.000000 |
| Atit 110kV | 11/01/2020 00:30:00 | 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.577 | 0.000000 |
| Atit 110kV | 11/01/2020 00:45:00 | 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.103 | 0.000000 |
| Atit 110kV | 11/01/2020 01:00:00 | 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Atit 110kV | 11/01/2020 01:15:00 | 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.052 | 0.000000 |
| Atit 110kV | 11/01/2020 01:30:00 | 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.577 | 0.000000 |
| Atit 110kV | 11/01/2020 01:45:00 | 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.526 | 0.000000 |
| Atit 110kV | 11/01/2020 02:00:00 | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.403 | 0.000000 |
| Atit 110kV | 11/01/2020 02:15:00 | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.630 | 0.000000 |
| Atit 110kV | 11/01/2020 02:30:00 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.526 | 0.000000 |
| Atit 110kV | 11/01/2020 02:45:00 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.526 | 0.000000 |
| Atit 110kV | 11/01/2020 03:00:00 | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.051 | 0.000000 |
| Atit 110kV | 11/01/2020 03:15:00 | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Atit 110kV | 11/01/2020 03:30:00 | 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Atit 110kV | 11/01/2020 03:45:00 | 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Atit 110kV | 11/01/2020 04:00:00 | 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Atit 110kV | 11/01/2020 04:15:00 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.051 | 0.000000 |
| Atit 110kV | 11/01/2020 04:30:00 | 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.964 | 0.000000 |
| Atit 110kV | 11/01/2020 04:45:00 | 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.300 | 0.000000 |
| Atit 110kV | 11/01/2020 05:00:00 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Atit 110kV | 11/01/2020 05:15:00 | 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.314 | 0.000000 |
| Atit 110kV | 11/01/2020 05:30:00 | 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Atit 110kV | 11/01/2020 05:45:00 | 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.103 | 0.000000 |
| Atit 110kV | 11/01/2020 06:00:00 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.636 | 0.000000 |
| Atit 110kV | 11/01/2020 06:15:00 | 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Atit 110kV | 11/01/2020 06:30:00 | 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.105 | 0.000000 |
| Atit 110kV | 11/01/2020 06:45:00 | 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.650 | 0.000000 |
| Atit 110kV | 11/01/2020 07:00:00 | 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.300 | 0.000000 |
| Atit 110kV | 11/01/2020 07:15:00 | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.314 | 0.000000 |
| Atit 110kV | 11/01/2020 07:30:00 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Atit 110kV | 11/01/2020 07:45:00 | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.103 | 0.000000 |
| Atit 110kV | 11/01/2020 08:00:00 | 33 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.577 | 0.000000 |
| Atit 110kV | 11/01/2020 08:15:00 | 34 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.300 | 0.000000 |
| Atit 110kV | 11/01/2020 08:30:00 | 35 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.116 | 0.000000 |
| Atit 110kV | 11/01/2020 08:45:00 | 36 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Atit 110kV | 11/01/2020 09:00:00 | 37 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.681 | 0.000000 |
| Atit 110kV | 11/01/2020 09:15:00 | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.657 | 0.000000 |
| Atit 110kV | 11/01/2020 09:30:00 | 39 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -6.322 | 0.000000 |
| Atit 110kV | 11/01/2020 09:45:00 | 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.103 | 0.000000 |
| Atit 110kV | 11/01/2020 10:00:00 | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.526 | 0.000000 |
| Atit 110kV | 11/01/2020 10:15:00 | 42 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Atit 110kV | 11/01/2020 10:30:00 | 43 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Atit 110kV | 11/01/2020 10:45:00 | 44 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Atit 110kV | 11/01/2020 11:00:00 | 45 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Atit 110kV | 11/01/2020 11:15:00 | 46 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.964 | 0.000000 |
| Atit 110kV | 11/01/2020 11:30:00 | 47 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.307 | 0.000000 |
| Atit 110kV | 11/01/2020 11:45:00 | 48 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.300 | 0.000000 |
| Atit 110kV | 11/01/2020 12:00:00 | 49 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.526 | 0.000000 |
| Atit 110kV | 11/01/2020 12:15:00 | 50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.103 | 0.000000 |
| Atit 110kV | 11/01/2020 12:30:00 | 51 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.629 | 0.000000 |
| Atit 110kV | 11/01/2020 12:45:00 | 52 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.629 | 0.000000 |
| Atit 110kV | 11/01/2020 13:00:00 | 53 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Atit 110kV | 11/01/2020 13:15:00 | 54 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.103 | 0.000000 |
| Atit 110kV | 11/01/2020 13:30:00 | 55 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.629 | 0.000000 |
| Atit 110kV | 11/01/2020 13:45:00 | 56 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.103 | 0.000000 |
| Atit 110kV | 11/01/2020 14:00:00 | 57 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.051 | 0.000000 |
| Atit 110kV | 11/01/2020 14:15:00 | 58 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.300 | 0.000000 |
| Atit 110kV | 11/01/2020 14:30:00 | 59 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.636 | 0.000000 |
| Atit 110kV | 11/01/2020 14:45:00 | 60 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.979 | 0.000000 |
| Atit 110kV | 11/01/2020 15:00:00 | 61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.964 | 0.000000 |
| Atit 110kV | 11/01/2020 15:15:00 | 62 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.314 | 0.000000 |
| Atit 110kV | 11/01/2020 15:30:00 | 63 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Atit 110kV | 11/01/2020 15:45:00 | 64 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.643 | 0.000000 |
| Atit 110kV | 11/01/2020 16:00:00 | 65 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.103 | 0.000000 |
| Atit 110kV | 11/01/2020 16:15:00 | 66 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.964 | 0.000000 |
| Atit 110kV | 11/01/2020 16:30:00 | 67 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.103 | 0.000000 |
| Atit 110kV | 11/01/2020 16:45:00 | 68 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.972 | 0.000000 |
| Atit 110kV | 11/01/2020 17:00:00 | 69 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.577 | 0.000000 |
| Atit 110kV | 11/01/2020 17:15:00 | 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.577 | 0.000000 |
| Atit 110kV | 11/01/2020 17:30:00 | 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.051 | 0.000000 |
| Atit 110kV | 11/01/2020 17:45:00 | 72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.103 | 0.000000 |
| Atit 110kV | 11/01/2020 18:00:00 | 73 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.964 | 0.000000 |
| Atit 110kV | 11/01/2020 18:15:00 | 74 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.629 | 0.000000 |
| Atit 110kV | 11/01/2020 18:30:00 | 75 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.103 | 0.000000 |
| Atit 110kV | 11/01/2020 18:45:00 | 76 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.526 | 0.000000 |
| Atit 110kV | 11/01/2020 19:00:00 | 77 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.103 | 0.000000 |
| Atit 110kV | 11/01/2020 19:15:00 | 78 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.052 | 0.000000 |
| Atit 110kV | 11/01/2020 19:30:00 | 79 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Atit 110kV | 11/01/2020 19:45:00 | 80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.629 | 0.000000 |
| Atit 110kV | 11/01/2020 20:00:00 | 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.629 | 0.000000 |
| Atit 110kV | 11/01/2020 20:15:00 | 82 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.307 | 0.000000 |
| Atit 110kV | 11/01/2020 20:30:00 | 83 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Atit 110kV | 11/01/2020 20:45:00 | 84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.629 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Atit 110kV | 11/01/2020 21:00:00 | 85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.636 | 0.000000 |
| Atit 110kV | 11/01/2020 21:15:00 | 86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.577 | 0.000000 |
| Atit 110kV | 11/01/2020 21:30:00 | 87 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.577 | 0.000000 |
| Atit 110kV | 11/01/2020 21:45:00 | 88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.052 | 0.000000 |
| Atit 110kV | 11/01/2020 22:00:00 | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.650 | 0.000000 |
| Atit 110kV | 11/01/2020 22:15:00 | 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.650 | 0.000000 |
| Atit 110kV | 11/01/2020 22:30:00 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.979 | 0.000000 |
| Atit 110kV | 11/01/2020 22:45:00 | 92 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Atit 110kV | 11/01/2020 23:00:00 | 93 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.577 | 0.000000 |
| Atit 110kV | 11/01/2020 23:15:00 | 94 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.074 | 0.000000 |
| Atit 110kV | 11/01/2020 23:30:00 | 95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.113 | 0.000000 |
| Atit 110kV | 11/01/2020 23:45:00 | 96 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.162 | 0.000000 |
| Atit 110kV | 12/01/2020 00:00:00 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Atit 110kV | 12/01/2020 00:15:00 | 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |
| Atit 110kV | 12/01/2020 00:30:00 | 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |
| Atit 110kV | 12/01/2020 00:45:00 | 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Atit 110kV | 12/01/2020 01:00:00 | 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.629 | 0.000000 |
| Atit 110kV | 12/01/2020 01:15:00 | 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.317 | 0.000000 |
| Atit 110kV | 12/01/2020 01:30:00 | 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.354 | 0.000000 |
| Atit 110kV | 12/01/2020 01:45:00 | 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Atit 110kV | 12/01/2020 02:00:00 | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Atit 110kV | 12/01/2020 02:15:00 | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Atit 110kV | 12/01/2020 02:30:00 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.690 | 0.000000 |
| Atit 110kV | 12/01/2020 02:45:00 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Atit 110kV | 12/01/2020 03:00:00 | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.354 | 0.000000 |
| Atit 110kV | 12/01/2020 03:15:00 | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Atit 110kV | 12/01/2020 03:30:00 | 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.354 | 0.000000 |
| Atit 110kV | 12/01/2020 03:45:00 | 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Atit 110kV | 12/01/2020 04:00:00 | 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |
| Atit 110kV | 12/01/2020 04:15:00 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Atit 110kV | 12/01/2020 04:30:00 | 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.076 | 0.000000 |
| Atit 110kV | 12/01/2020 04:45:00 | 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Atit 110kV | 12/01/2020 05:00:00 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.686 | 0.000000 |
| Atit 110kV | 12/01/2020 05:15:00 | 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.686 | 0.000000 |
| Atit 110kV | 12/01/2020 05:30:00 | 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.614 | 0.000000 |
| Atit 110kV | 12/01/2020 05:45:00 | 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.496 | 0.000000 |
| Atit 110kV | 12/01/2020 06:00:00 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Atit 110kV | 12/01/2020 06:15:00 | 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.430 | 0.000000 |
| Atit 110kV | 12/01/2020 06:30:00 | 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |
| Atit 110kV | 12/01/2020 06:45:00 | 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.681 | 0.000000 |
| Atit 110kV | 12/01/2020 07:00:00 | 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.614 | 0.000000 |
| Atit 110kV | 12/01/2020 07:15:00 | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.838 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Atit 110kV | 12/01/2020 07:30:00 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Atit 110kV | 12/01/2020 07:45:00 | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.690 | 0.000000 |
| Atit 110kV | 12/01/2020 08:00:00 | 33 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.690 | 0.000000 |
| Atit 110kV | 12/01/2020 08:15:00 | 34 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.018 | 0.000000 |
| Atit 110kV | 12/01/2020 08:30:00 | 35 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.690 | 0.000000 |
| Atit 110kV | 12/01/2020 08:45:00 | 36 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Atit 110kV | 12/01/2020 09:00:00 | 37 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.354 | 0.000000 |
| Atit 110kV | 12/01/2020 09:15:00 | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.350 | 0.000000 |
| Atit 110kV | 12/01/2020 09:30:00 | 39 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Atit 110kV | 12/01/2020 09:45:00 | 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.690 | 0.000000 |
| Atit 110kV | 12/01/2020 10:00:00 | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.354 | 0.000000 |
| Atit 110kV | 12/01/2020 10:15:00 | 42 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.686 | 0.000000 |
| Atit 110kV | 12/01/2020 10:30:00 | 43 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.614 | 0.000000 |
| Atit 110kV | 12/01/2020 10:45:00 | 44 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.686 | 0.000000 |
| Atit 110kV | 12/01/2020 11:00:00 | 45 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.354 | 0.000000 |
| Atit 110kV | 12/01/2020 11:15:00 | 46 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.450 | 0.000000 |
| Atit 110kV | 12/01/2020 11:30:00 | 47 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -6.009 | 0.000000 |
| Atit 110kV | 12/01/2020 11:45:00 | 48 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.690 | 0.000000 |
| Atit 110kV | 12/01/2020 12:00:00 | 49 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.686 | 0.000000 |
| Atit 110kV | 12/01/2020 12:15:00 | 50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.345 | 0.000000 |
| Atit 110kV | 12/01/2020 12:30:00 | 51 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Atit 110kV | 12/01/2020 12:45:00 | 52 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.345 | 0.000000 |
| Atit 110kV | 12/01/2020 13:00:00 | 53 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.999 | 0.000000 |
| Atit 110kV | 12/01/2020 13:15:00 | 54 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.350 | 0.000000 |
| Atit 110kV | 12/01/2020 13:30:00 | 55 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.076 | 0.000000 |
| Atit 110kV | 12/01/2020 13:45:00 | 56 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.690 | 0.000000 |
| Atit 110kV | 12/01/2020 14:00:00 | 57 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.538 | 0.000000 |
| Atit 110kV | 12/01/2020 14:15:00 | 58 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |
| Atit 110kV | 12/01/2020 14:30:00 | 59 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.690 | 0.000000 |
| Atit 110kV | 12/01/2020 14:45:00 | 60 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.076 | 0.000000 |
| Atit 110kV | 12/01/2020 15:00:00 | 61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Atit 110kV | 12/01/2020 15:15:00 | 62 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.690 | 0.000000 |
| Atit 110kV | 12/01/2020 15:30:00 | 63 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Atit 110kV | 12/01/2020 15:45:00 | 64 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.686 | 0.000000 |
| Atit 110kV | 12/01/2020 16:00:00 | 65 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.737 | 0.000000 |
| Atit 110kV | 12/01/2020 16:15:00 | 66 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.786 | 0.000000 |
| Atit 110kV | 12/01/2020 16:30:00 | 67 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.350 | 0.000000 |
| Atit 110kV | 12/01/2020 16:45:00 | 68 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.614 | 0.000000 |
| Atit 110kV | 12/01/2020 17:00:00 | 69 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Atit 110kV | 12/01/2020 17:15:00 | 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.690 | 0.000000 |
| Atit 110kV | 12/01/2020 17:30:00 | 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Atit 110kV | 12/01/2020 17:45:00 | 72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Atit 110kV | 12/01/2020 18:00:00 | 73 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.538 | 0.000000 |
| Atit 110kV | 12/01/2020 18:15:00 | 74 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.350 | 0.000000 |
| Atit 110kV | 12/01/2020 18:30:00 | 75 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.690 | 0.000000 |
| Atit 110kV | 12/01/2020 18:45:00 | 76 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Atit 110kV | 12/01/2020 19:00:00 | 77 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.686 | 0.000000 |
| Atit 110kV | 12/01/2020 19:15:00 | 78 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.690 | 0.000000 |
| Atit 110kV | 12/01/2020 19:30:00 | 79 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Atit 110kV | 12/01/2020 19:45:00 | 80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.781 | 0.000000 |
| Atit 110kV | 12/01/2020 20:00:00 | 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.021 | 0.000000 |
| Atit 110kV | 12/01/2020 20:15:00 | 82 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.018 | 0.000000 |
| Atit 110kV | 12/01/2020 20:30:00 | 83 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.354 | 0.000000 |
| Atit 110kV | 12/01/2020 20:45:00 | 84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.614 | 0.000000 |
| Atit 110kV | 12/01/2020 21:00:00 | 85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.350 | 0.000000 |
| Atit 110kV | 12/01/2020 21:15:00 | 86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.686 | 0.000000 |
| Atit 110kV | 12/01/2020 21:30:00 | 87 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.614 | 0.000000 |
| Atit 110kV | 12/01/2020 21:45:00 | 88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Atit 110kV | 12/01/2020 22:00:00 | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.354 | 0.000000 |
| Atit 110kV | 12/01/2020 22:15:00 | 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.350 | 0.000000 |
| Atit 110kV | 12/01/2020 22:30:00 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.215 | 0.000000 |
| Atit 110kV | 12/01/2020 22:45:00 | 92 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Atit 110kV | 12/01/2020 23:00:00 | 93 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Atit 110kV | 12/01/2020 23:15:00 | 94 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Atit 110kV | 12/01/2020 23:30:00 | 95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Atit 110kV | 12/01/2020 23:45:00 | 96 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 00:00:00 | 1 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.903 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 00:15:00 | 2 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 00:30:00 | 3 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 00:45:00 | 4 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.984 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 01:00:00 | 5 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.541 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 01:15:00 | 6 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 01:30:00 | 7 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.541 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 01:45:00 | 8 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.352 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 02:00:00 | 9 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.747 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 02:15:00 | 10 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.581 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 02:30:00 | 11 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.323 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 02:45:00 | 12 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 03:00:00 | 13 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 03:15:00 | 14 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.742 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 03:30:00 | 15 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 03:45:00 | 16 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.541 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 04:00:00 | 17 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.496 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 04:15:00 | 18 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Solar 132kV | 06/01/2020 04:30:00 | 19 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.859 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 04:45:00 | 20 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.815 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 05:00:00 | 21 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.859 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 05:15:00 | 22 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.407 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 05:30:00 | 23 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.496 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 05:45:00 | 24 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.492 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 06:00:00 | 25 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.452 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 06:15:00 | 26 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -6.089 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 06:30:00 | 27 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -7.044 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 06:45:00 | 28 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.682 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 07:00:00 | 29 | 2500.0 | 2.5 | 0.0 | -2.5 | 0.1 | 0.00 | -3.859 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 07:15:00 | 30 | 2500.0 | 25.0 | 2.81 | -22.19 | 0.89 | 0.00 | 4.815 | 11.017768 |
| Aundh Solar 132kV | 06/01/2020 07:30:00 | 31 | 2500.0 | 67.5 | 71.88 | 4.38 | 0.18 | 0.00 | 4.178 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 07:45:00 | 32 | 2500.0 | 137.5 | 141.56 | 4.06 | 0.16 | 0.00 | -3.540 | -1.796016 |
| Aundh Solar 132kV | 06/01/2020 08:00:00 | 33 | 2500.0 | 237.5 | 262.81 | 25.31 | 1.01 | 0.00 | -3.859 | -6.664772 |
| Aundh Solar 132kV | 06/01/2020 08:15:00 | 34 | 2500.0 | 335.0 | 378.75 | 43.75 | 1.75 | 0.00 | -5.452 | -3.759036 |
| Aundh Solar 132kV | 06/01/2020 08:30:00 | 35 | 2500.0 | 440.0 | 515.31 | 75.31 | 3.01 | 0.00 | 4.178 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 08:45:00 | 36 | 2500.0 | 525.0 | 634.38 | 109.38 | 4.38 | 0.00 | -3.859 | -11.082829 |
| Aundh Solar 132kV | 06/01/2020 09:00:00 | 37 | 2500.0 | 607.5 | 662.19 | 54.69 | 2.19 | 0.00 | -6.407 | -17.136894 |
| Aundh Solar 132kV | 06/01/2020 09:15:00 | 38 | 2500.0 | 707.5 | 783.12 | 75.62 | 3.02 | 0.00 | -8.000 | -12.023149 |
| Aundh Solar 132kV | 06/01/2020 09:30:00 | 39 | 2500.0 | 752.5 | 647.81 | -104.69 | 4.19 | 0.00 | -5.770 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Solar 132kV | 06/01/2020 09:45:00 | 40 | 2500.0 | 820.0 | 1150.31 | 330.31 | 13.21 | 0.00 | 3.222 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 10:00:00 | 41 | 2500.0 | 905.0 | 1351.25 | 446.25 | 17.85 | 35.63 | -2.903 | -60.889600 |
| Aundh Solar 132kV | 06/01/2020 10:15:00 | 42 | 2500.0 | 955.0 | 1524.06 | 569.06 | 22.76 | 97.03 | -3.222 | -16.002933 |
| Aundh Solar 132kV | 06/01/2020 10:30:00 | 43 | 2500.0 | 1080.0 | 1397.19 | 317.19 | 12.69 | 0.00 | 4.815 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 10:45:00 | 44 | 2500.0 | 1002.5 | 1123.12 | 120.62 | 4.82 | 0.00 | 4.496 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 11:00:00 | 45 | 2500.0 | 1000.0 | 1131.25 | 131.25 | 5.25 | 0.00 | 16.000 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 11:15:00 | 46 | 2500.0 | 980.0 | 1667.81 | 687.81 | 27.51 | 187.81 | 5.133 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 11:30:00 | 47 | 2500.0 | 1010.0 | 1667.5 | 657.5 | 26.3 | 157.50 | 1.182 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 11:45:00 | 48 | 2500.0 | 982.5 | 1891.88 | 909.38 | 36.38 | 426.57 | 6.308 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 12:00:00 | 49 | 2500.0 | 1022.5 | 1384.38 | 361.88 | 14.48 | 0.00 | 6.598 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 12:15:00 | 50 | 2500.0 | 997.5 | 969.69 | -27.81 | 1.11 | 0.00 | 5.431 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 12:30:00 | 51 | 2500.0 | 1035.0 | 878.44 | -156.56 | 6.26 | 0.00 | 3.540 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 12:45:00 | 52 | 2500.0 | 1070.0 | 804.69 | -265.31 | 10.61 | 0.00 | -2.903 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 13:00:00 | 53 | 2500.0 | 1020.0 | 1120.31 | 100.31 | 4.01 | 0.00 | -1.161 | -3.319052 |
| Aundh Solar 132kV | 06/01/2020 13:15:00 | 54 | 2500.0 | 1000.0 | 889.38 | -110.62 | 4.42 | 0.00 | 3.859 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 13:30:00 | 55 | 2500.0 | 957.5 | 1549.69 | 592.19 | 23.69 | 108.60 | -6.407 | -13.664107 |
| Aundh Solar 132kV | 06/01/2020 13:45:00 | 56 | 2500.0 | 905.0 | 1550.62 | 645.62 | 25.82 | 145.62 | 5.452 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 14:00:00 | 57 | 2500.0 | 705.0 | 1647.81 | 942.81 | 37.71 | 476.72 | 5.452 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 14:15:00 | 58 | 2500.0 | 727.5 | 1465.31 | 737.81 | 29.51 | 237.81 | 16.000 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 14:30:00 | 59 | 2500.0 | 675.0 | 872.19 | 197.19 | 7.89 | 0.00 | 6.035 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 14:45:00 | 60 | 2500.0 | 655.0 | 825.0 | 170.0 | 6.8 | 0.00 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Solar 132kV | 06/01/2020 15:00:00 | 61 | 2500.0 | 610.0 | 1371.88 | 761.88 | 30.48 | 261.88 | 3.367 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 15:15:00 | 62 | 2500.0 | 585.0 | 1190.31 | 605.31 | 24.21 | 115.16 | 3.904 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 15:30:00 | 63 | 2500.0 | 495.0 | 1342.19 | 847.19 | 33.89 | 347.19 | 4.482 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 15:45:00 | 64 | 2500.0 | 442.5 | 1196.56 | 754.06 | 30.16 | 254.06 | 4.225 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 16:00:00 | 65 | 2500.0 | 500.0 | 981.25 | 481.25 | 19.25 | 53.13 | 2.895 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 16:15:00 | 66 | 2500.0 | 455.0 | 482.81 | 27.81 | 1.11 | 0.00 | 6.089 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 16:30:00 | 67 | 2500.0 | 377.5 | 315.94 | -61.56 | 2.46 | 0.00 | -8.000 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 16:45:00 | 68 | 2500.0 | 337.5 | 407.19 | 69.69 | 2.79 | 0.00 | -4.178 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 17:00:00 | 69 | 2500.0 | 205.0 | 376.25 | 171.25 | 6.85 | 0.00 | 1.742 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 17:15:00 | 70 | 2500.0 | 150.0 | 239.38 | 89.38 | 3.58 | 0.00 | 2.903 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 17:30:00 | 71 | 2500.0 | 95.0 | 149.06 | 54.06 | 2.16 | 0.00 | -4.178 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 17:45:00 | 72 | 2500.0 | 40.0 | 63.12 | 23.12 | 0.92 | 0.00 | -2.323 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 18:00:00 | 73 | 2500.0 | 5.0 | 10.94 | 5.94 | 0.24 | 0.00 | -2.903 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 18:15:00 | 74 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.161 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 18:30:00 | 75 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.903 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 18:45:00 | 76 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.903 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 19:00:00 | 77 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.161 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 19:15:00 | 78 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.178 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 19:30:00 | 79 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.323 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 19:45:00 | 80 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.178 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 20:00:00 | 81 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Solar 132kV | 06/01/2020 20:15:00 | 82 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.770 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 20:30:00 | 83 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.770 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 20:45:00 | 84 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.178 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 21:00:00 | 85 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 21:15:00 | 86 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.742 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 21:30:00 | 87 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 21:45:00 | 88 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.161 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 22:00:00 | 89 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.815 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 22:15:00 | 90 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.859 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 22:30:00 | 91 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.742 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 22:45:00 | 92 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.323 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 23:00:00 | 93 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.903 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 23:15:00 | 94 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 23:30:00 | 95 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.222 | 0.000000 |
| Aundh Solar 132kV | 06/01/2020 23:45:00 | 96 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 00:00:00 | 1 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.549 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 00:15:00 | 2 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.647 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 00:30:00 | 3 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.073 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 00:45:00 | 4 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.744 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 01:00:00 | 5 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 01:15:00 | 6 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Solar 132kV | 07/01/2020 01:30:00 | 7 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 01:45:00 | 8 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 02:00:00 | 9 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.073 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 02:15:00 | 10 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.073 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 02:30:00 | 11 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.401 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 02:45:00 | 12 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.745 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 03:00:00 | 13 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 03:15:00 | 14 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.196 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 03:30:00 | 15 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 03:45:00 | 16 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.098 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 04:00:00 | 17 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 04:15:00 | 18 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.210 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 04:30:00 | 19 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 04:45:00 | 20 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.098 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 05:00:00 | 21 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.744 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 05:15:00 | 22 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 05:30:00 | 23 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.073 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 05:45:00 | 24 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 06:00:00 | 25 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.372 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 06:15:00 | 26 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.556 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 06:30:00 | 27 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.148 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Solar 132kV | 07/01/2020 06:45:00 | 28 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.821 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 07:00:00 | 29 | 2500.0 | 2.5 | 0.0 | -2.5 | 0.1 | 0.00 | 5.372 | 6.643581 |
| Aundh Solar 132kV | 07/01/2020 07:15:00 | 30 | 2500.0 | 20.0 | 11.88 | -8.12 | 0.32 | 0.00 | 16.000 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 07:30:00 | 31 | 2500.0 | 65.0 | 100.94 | 35.94 | 1.44 | 0.00 | 9.296 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 07:45:00 | 32 | 2500.0 | 125.0 | 204.38 | 79.38 | 3.18 | 0.00 | 9.794 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 08:00:00 | 33 | 2500.0 | 220.0 | 317.5 | 97.5 | 3.9 | 0.00 | 3.593 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 08:15:00 | 34 | 2500.0 | 310.0 | 276.88 | -33.12 | 1.32 | 0.00 | 3.401 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 08:30:00 | 35 | 2500.0 | 417.5 | 325.0 | -92.5 | 3.7 | 0.00 | 3.245 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 08:45:00 | 36 | 2500.0 | 480.0 | 364.06 | -115.94 | 4.64 | 0.00 | 0.000 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 09:00:00 | 37 | 2500.0 | 557.5 | 330.62 | -226.88 | 9.08 | 0.00 | 2.745 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 09:15:00 | 38 | 2500.0 | 650.0 | 376.56 | -273.44 | 10.94 | 0.00 | 4.715 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 09:30:00 | 39 | 2500.0 | 657.5 | 292.81 | -364.69 | 14.59 | 0.00 | 3.981 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 09:45:00 | 40 | 2500.0 | 797.5 | 392.81 | -404.69 | 16.19 | 14.85 | 3.730 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 10:00:00 | 41 | 2500.0 | 880.0 | 440.0 | -440.0 | 17.6 | 32.50 | 1.780 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 10:15:00 | 42 | 2500.0 | 940.0 | 544.69 | -395.31 | 15.81 | 10.16 | 5.643 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 10:30:00 | 43 | 2500.0 | 992.5 | 746.56 | -245.94 | 9.84 | 0.00 | 4.976 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 10:45:00 | 44 | 2500.0 | 645.0 | 1079.06 | 434.06 | 17.36 | 29.53 | 4.415 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 11:00:00 | 45 | 2500.0 | 640.0 | 1344.06 | 704.06 | 28.16 | 204.06 | 4.476 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 11:15:00 | 46 | 2500.0 | 732.5 | 1612.19 | 879.69 | 35.19 | 382.04 | 4.826 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 11:30:00 | 47 | 2500.0 | 745.0 | 1557.5 | 812.5 | 32.5 | 312.50 | 2.289 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 11:45:00 | 48 | 2500.0 | 747.5 | 1663.44 | 915.94 | 36.64 | 436.41 | -0.549 | -11.493561 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Solar 132kV | 07/01/2020 12:00:00 | 49 | 2500.0 | 717.5 | 1828.12 | 1110.62 | 44.42 | 728.43 | 4.727 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 12:15:00 | 50 | 2500.0 | 787.5 | 1605.62 | 818.12 | 32.72 | 318.12 | 4.777 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 12:30:00 | 51 | 2500.0 | 820.0 | 1652.19 | 832.19 | 33.29 | 332.19 | 4.798 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 12:45:00 | 52 | 2500.0 | 840.0 | 1253.12 | 413.12 | 16.52 | 19.06 | -3.401 | -8.453040 |
| Aundh Solar 132kV | 07/01/2020 13:00:00 | 53 | 2500.0 | 825.0 | 1295.31 | 470.31 | 18.81 | 47.66 | -2.431 | -210.534827 |
| Aundh Solar 132kV | 07/01/2020 13:15:00 | 54 | 2500.0 | 792.5 | 1845.94 | 1053.44 | 42.14 | 642.66 | -4.387 | -214.382791 |
| Aundh Solar 132kV | 07/01/2020 13:30:00 | 55 | 2500.0 | 845.0 | 1915.0 | 1070.0 | 42.8 | 667.50 | -3.401 | -316.329862 |
| Aundh Solar 132kV | 07/01/2020 13:45:00 | 56 | 2500.0 | 785.0 | 1645.62 | 860.62 | 34.42 | 360.62 | -5.044 | -35.838831 |
| Aundh Solar 132kV | 07/01/2020 14:00:00 | 57 | 2500.0 | 795.0 | 2047.81 | 1252.81 | 50.11 | 941.72 | 4.215 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 14:15:00 | 58 | 2500.0 | 785.0 | 2003.12 | 1218.12 | 48.72 | 889.68 | 9.552 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 14:30:00 | 59 | 2500.0 | 667.5 | 1817.5 | 1150.0 | 46.0 | 787.50 | 6.358 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 14:45:00 | 60 | 2500.0 | 662.5 | 1503.12 | 840.62 | 33.62 | 340.62 | 2.744 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 15:00:00 | 61 | 2500.0 | 685.0 | 1648.12 | 963.12 | 38.52 | 507.18 | -3.073 | -154.705007 |
| Aundh Solar 132kV | 07/01/2020 15:15:00 | 62 | 2500.0 | 647.5 | 1528.44 | 880.94 | 35.24 | 383.91 | -4.058 | -159.692201 |
| Aundh Solar 132kV | 07/01/2020 15:30:00 | 63 | 2500.0 | 567.5 | 1409.69 | 842.19 | 33.69 | 342.19 | -4.831 | -577.951218 |
| Aundh Solar 132kV | 07/01/2020 15:45:00 | 64 | 2500.0 | 505.0 | 772.5 | 267.5 | 10.7 | 0.00 | -5.372 | -31.217649 |
| Aundh Solar 132kV | 07/01/2020 16:00:00 | 65 | 2500.0 | 440.0 | 974.69 | 534.69 | 21.39 | 79.85 | 2.196 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 16:15:00 | 66 | 2500.0 | 352.5 | 360.94 | 8.44 | 0.34 | 0.00 | -3.401 | -1.941801 |
| Aundh Solar 132kV | 07/01/2020 16:30:00 | 67 | 2500.0 | 300.0 | 0.0 | -300.0 | 12.0 | 0.00 | 4.738 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 16:45:00 | 68 | 2500.0 | 280.0 | 0.0 | -280.0 | 11.2 | 0.00 | 7.343 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 17:00:00 | 69 | 2500.0 | 182.5 | 0.0 | -182.5 | 7.3 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Solar 132kV | 07/01/2020 17:15:00 | 70 | 2500.0 | 130.0 | 14.38 | -115.62 | 4.62 | 0.00 | 2.744 | 19.232933 |
| Aundh Solar 132kV | 07/01/2020 17:30:00 | 71 | 2500.0 | 80.0 | 69.69 | -10.31 | 0.41 | 0.00 | 3.401 | 0.680763 |
| Aundh Solar 132kV | 07/01/2020 17:45:00 | 72 | 2500.0 | 32.5 | 61.25 | 28.75 | 1.15 | 0.00 | -2.745 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 18:00:00 | 73 | 2500.0 | 5.0 | 6.88 | 1.88 | 0.08 | 0.00 | -3.073 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 18:15:00 | 74 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.372 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 18:30:00 | 75 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.401 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 18:45:00 | 76 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 19:00:00 | 77 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.730 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 19:15:00 | 78 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.715 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 19:30:00 | 79 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 19:45:00 | 80 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.210 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 20:00:00 | 81 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.348 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 20:15:00 | 82 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.387 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 20:30:00 | 83 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.816 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 20:45:00 | 84 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.401 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 21:00:00 | 85 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 21:15:00 | 86 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 21:30:00 | 87 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.196 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 21:45:00 | 88 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.196 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 22:00:00 | 89 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.257 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 22:15:00 | 90 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Solar 132kV | 07/01/2020 22:30:00 | 91 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.098 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 22:45:00 | 92 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.647 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 23:00:00 | 93 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 23:15:00 | 94 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 23:30:00 | 95 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.196 | 0.000000 |
| Aundh Solar 132kV | 07/01/2020 23:45:00 | 96 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.549 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 00:00:00 | 1 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 00:15:00 | 2 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 00:30:00 | 3 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 00:45:00 | 4 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.424 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 01:00:00 | 5 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.170 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 01:15:00 | 6 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.761 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 01:30:00 | 7 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.665 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 01:45:00 | 8 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.665 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 02:00:00 | 9 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 02:15:00 | 10 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.347 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 02:30:00 | 11 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 02:45:00 | 12 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 03:00:00 | 13 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.428 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 03:15:00 | 14 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 03:30:00 | 15 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Solar 132kV | 08/01/2020 03:45:00 | 16 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 04:00:00 | 17 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 04:15:00 | 18 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.665 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 04:30:00 | 19 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 04:45:00 | 20 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 05:00:00 | 21 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 05:15:00 | 22 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 05:30:00 | 23 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.428 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 05:45:00 | 24 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 06:00:00 | 25 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 06:15:00 | 26 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.220 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 06:30:00 | 27 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.387 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 06:45:00 | 28 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.734 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 07:00:00 | 29 | 2500.0 | 2.5 | 0.0 | -2.5 | 0.1 | 0.00 | -4.407 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 07:15:00 | 30 | 2500.0 | 20.0 | 20.31 | 0.31 | 0.01 | 0.00 | 5.061 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 07:30:00 | 31 | 2500.0 | 67.5 | 88.75 | 21.25 | 0.85 | 0.00 | 5.714 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 07:45:00 | 32 | 2500.0 | 132.5 | 134.38 | 1.88 | 0.08 | 0.00 | 5.061 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 08:00:00 | 33 | 2500.0 | 220.0 | 180.0 | -40.0 | 1.6 | 0.00 | 2.775 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 08:15:00 | 34 | 2500.0 | 282.5 | 128.75 | -153.75 | 6.15 | 0.00 | 2.775 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 08:30:00 | 35 | 2500.0 | 375.0 | 260.62 | -114.38 | 4.58 | 0.00 | 5.387 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 08:45:00 | 36 | 2500.0 | 432.5 | 294.69 | -137.81 | 5.51 | 0.00 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Solar 132kV | 08/01/2020 09:00:00 | 37 | 2500.0 | 487.5 | 717.81 | 230.31 | 9.21 | 0.00 | 7.673 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 09:15:00 | 38 | 2500.0 | 567.5 | 1048.44 | 480.94 | 19.24 | 52.97 | 7.673 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 09:30:00 | 39 | 2500.0 | 562.5 | 1238.12 | 675.62 | 27.02 | 175.62 | 3.101 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 09:45:00 | 40 | 2500.0 | 672.5 | 1423.75 | 751.25 | 30.05 | 251.25 | -3.101 | -80.338145 |
| Aundh Solar 132kV | 08/01/2020 10:00:00 | 41 | 2500.0 | 745.0 | 1544.06 | 799.06 | 31.96 | 299.06 | -3.101 | -172.482979 |
| Aundh Solar 132kV | 08/01/2020 10:15:00 | 42 | 2500.0 | 805.0 | 1651.25 | 846.25 | 33.85 | 346.25 | -3.101 | -181.659719 |
| Aundh Solar 132kV | 08/01/2020 10:30:00 | 43 | 2500.0 | 882.5 | 1577.19 | 694.69 | 27.79 | 194.69 | -1.665 | -112.441200 |
| Aundh Solar 132kV | 08/01/2020 10:45:00 | 44 | 2500.0 | 885.0 | 1324.69 | 439.69 | 17.59 | 32.35 | 0.000 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 11:00:00 | 45 | 2500.0 | 932.5 | 1047.81 | 115.31 | 4.61 | 0.00 | -1.486 | -39.350287 |
| Aundh Solar 132kV | 08/01/2020 11:15:00 | 46 | 2500.0 | 1035.0 | 1961.25 | 926.25 | 37.05 | 451.88 | -1.305 | -424.079990 |
| Aundh Solar 132kV | 08/01/2020 11:30:00 | 47 | 2500.0 | 1052.5 | 1949.06 | 896.56 | 35.86 | 407.34 | -2.425 | -361.065444 |
| Aundh Solar 132kV | 08/01/2020 11:45:00 | 48 | 2500.0 | 1052.5 | 1321.56 | 269.06 | 10.76 | 0.00 | -2.775 | -97.394793 |
| Aundh Solar 132kV | 08/01/2020 12:00:00 | 49 | 2500.0 | 1070.0 | 1680.62 | 610.62 | 24.42 | 117.81 | -2.083 | -391.783829 |
| Aundh Solar 132kV | 08/01/2020 12:15:00 | 50 | 2500.0 | 990.0 | 2075.31 | 1085.31 | 43.41 | 690.47 | -3.242 | -440.802410 |
| Aundh Solar 132kV | 08/01/2020 12:30:00 | 51 | 2500.0 | 1047.5 | 1277.5 | 230.0 | 9.2 | 0.00 | -1.330 | -48.930177 |
| Aundh Solar 132kV | 08/01/2020 12:45:00 | 52 | 2500.0 | 992.5 | 1937.81 | 945.31 | 37.81 | 480.47 | -0.830 | -179.775717 |
| Aundh Solar 132kV | 08/01/2020 13:00:00 | 53 | 2500.0 | 962.5 | 1170.0 | 207.5 | 8.3 | 0.00 | 2.775 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 13:15:00 | 54 | 2500.0 | 897.5 | 1829.38 | 931.88 | 37.28 | 460.32 | 0.000 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 13:30:00 | 55 | 2500.0 | 915.0 | 1360.0 | 445.0 | 17.8 | 35.00 | -1.012 | -38.857774 |
| Aundh Solar 132kV | 08/01/2020 13:45:00 | 56 | 2500.0 | 845.0 | 1141.25 | 296.25 | 11.85 | 0.00 | -1.087 | -29.874290 |
| Aundh Solar 132kV | 08/01/2020 14:00:00 | 57 | 2500.0 | 882.5 | 1059.69 | 177.19 | 7.09 | 0.00 | -3.101 | -51.903509 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Solar 132kV | 08/01/2020 14:15:00 | 58 | 2500.0 | 870.0 | 1220.94 | 350.94 | 14.04 | 0.00 | -4.081 | -74.304472 |
| Aundh Solar 132kV | 08/01/2020 14:30:00 | 59 | 2500.0 | 770.0 | 1045.31 | 275.31 | 11.01 | 0.00 | -2.996 | -111.381924 |
| Aundh Solar 132kV | 08/01/2020 14:45:00 | 60 | 2500.0 | 825.0 | 1212.5 | 387.5 | 15.5 | 6.25 | -3.101 | -58.800292 |
| Aundh Solar 132kV | 08/01/2020 15:00:00 | 61 | 2500.0 | 840.0 | 1579.38 | 739.38 | 29.58 | 239.38 | -1.879 | -185.744773 |
| Aundh Solar 132kV | 08/01/2020 15:15:00 | 62 | 2500.0 | 802.5 | 1123.75 | 321.25 | 12.85 | 0.00 | -4.081 | -11.300444 |
| Aundh Solar 132kV | 08/01/2020 15:30:00 | 63 | 2500.0 | 707.5 | 910.94 | 203.44 | 8.14 | 0.00 | 4.938 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 15:45:00 | 64 | 2500.0 | 550.0 | 935.0 | 385.0 | 15.4 | 5.00 | 4.719 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 16:00:00 | 65 | 2500.0 | 530.0 | 1263.12 | 733.12 | 29.32 | 233.12 | 0.555 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 16:15:00 | 66 | 2500.0 | 370.0 | 710.94 | 340.94 | 13.64 | 0.00 | -4.081 | -159.147708 |
| Aundh Solar 132kV | 08/01/2020 16:30:00 | 67 | 2500.0 | 282.5 | 961.56 | 679.06 | 27.16 | 179.06 | -3.754 | -118.339468 |
| Aundh Solar 132kV | 08/01/2020 16:45:00 | 68 | 2500.0 | 265.0 | 630.31 | 365.31 | 14.61 | 0.00 | -8.000 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 17:00:00 | 69 | 2500.0 | 212.5 | 509.06 | 296.56 | 11.86 | 0.00 | 0.000 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 17:15:00 | 70 | 2500.0 | 125.0 | 318.44 | 193.44 | 7.74 | 0.00 | 4.081 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 17:30:00 | 71 | 2500.0 | 85.0 | 202.81 | 117.81 | 4.71 | 0.00 | -5.387 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 17:45:00 | 72 | 2500.0 | 35.0 | 86.56 | 51.56 | 2.06 | 0.00 | -3.101 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 18:00:00 | 73 | 2500.0 | 5.0 | 14.69 | 9.69 | 0.39 | 0.00 | -2.775 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 18:15:00 | 74 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 18:30:00 | 75 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 18:45:00 | 76 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.220 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 19:00:00 | 77 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 19:15:00 | 78 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Solar 132kV | 08/01/2020 19:30:00 | 79 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 19:45:00 | 80 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.555 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 20:00:00 | 81 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 20:15:00 | 82 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.101 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 20:30:00 | 83 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.408 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 20:45:00 | 84 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.101 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 21:00:00 | 85 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.101 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 21:15:00 | 86 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.555 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 21:30:00 | 87 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 21:45:00 | 88 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 22:00:00 | 89 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.489 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 22:15:00 | 90 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 22:30:00 | 91 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.223 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 22:45:00 | 92 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 23:00:00 | 93 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 23:15:00 | 94 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 23:30:00 | 95 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Aundh Solar 132kV | 08/01/2020 23:45:00 | 96 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 00:00:00 | 1 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 00:15:00 | 2 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 00:30:00 | 3 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Solar 132kV | 09/01/2020 00:45:00 | 4 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 01:00:00 | 5 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.519 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 01:15:00 | 6 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.519 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 01:30:00 | 7 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.199 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 01:45:00 | 8 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.519 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 02:00:00 | 9 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.519 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 02:15:00 | 10 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.879 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 02:30:00 | 11 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.199 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 02:45:00 | 12 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 03:00:00 | 13 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 03:15:00 | 14 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.839 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 03:30:00 | 15 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.199 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 03:45:00 | 16 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 04:00:00 | 17 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 04:15:00 | 18 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 04:30:00 | 19 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 04:45:00 | 20 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.879 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 05:00:00 | 21 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.839 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 05:15:00 | 22 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.119 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 05:30:00 | 23 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.064 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 05:45:00 | 24 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Solar 132kV | 09/01/2020 06:00:00 | 25 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.303 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 06:15:00 | 26 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.303 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 06:30:00 | 27 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.839 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 06:45:00 | 28 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 07:00:00 | 29 | 2500.0 | 2.5 | 0.0 | -2.5 | 0.1 | 0.00 | -2.879 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 07:15:00 | 30 | 2500.0 | 17.5 | 25.62 | 8.12 | 0.32 | 0.00 | 6.400 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 07:30:00 | 31 | 2500.0 | 62.5 | 98.44 | 35.94 | 1.44 | 0.00 | 1.172 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 07:45:00 | 32 | 2500.0 | 117.5 | 208.44 | 90.94 | 3.64 | 0.00 | 0.576 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 08:00:00 | 33 | 2500.0 | 187.5 | 311.25 | 123.75 | 4.95 | 0.00 | -0.576 | -6.764269 |
| Aundh Solar 132kV | 09/01/2020 08:15:00 | 34 | 2500.0 | 245.0 | 486.25 | 241.25 | 9.65 | 0.00 | -1.152 | -24.985939 |
| Aundh Solar 132kV | 09/01/2020 08:30:00 | 35 | 2500.0 | 335.0 | 649.38 | 314.38 | 12.58 | 0.00 | 0.576 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 08:45:00 | 36 | 2500.0 | 390.0 | 831.88 | 441.88 | 17.68 | 33.44 | 0.000 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 09:00:00 | 37 | 2500.0 | 492.5 | 1018.44 | 525.94 | 21.04 | 75.47 | 1.152 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 09:15:00 | 38 | 2500.0 | 580.0 | 1184.69 | 604.69 | 24.19 | 114.85 | 1.727 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 09:30:00 | 39 | 2500.0 | 602.5 | 1338.75 | 736.25 | 29.45 | 236.25 | -3.839 | -31.727015 |
| Aundh Solar 132kV | 09/01/2020 09:45:00 | 40 | 2500.0 | 710.0 | 1481.88 | 771.88 | 30.88 | 271.88 | -1.152 | -6.338656 |
| Aundh Solar 132kV | 09/01/2020 10:00:00 | 41 | 2500.0 | 780.0 | 1598.12 | 818.12 | 32.72 | 318.12 | 0.000 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 10:15:00 | 42 | 2500.0 | 835.0 | 1689.38 | 854.38 | 34.18 | 354.38 | 1.727 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 10:30:00 | 43 | 2500.0 | 887.5 | 1788.75 | 901.25 | 36.05 | 414.38 | 2.303 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 10:45:00 | 44 | 2500.0 | 845.0 | 1893.75 | 1048.75 | 41.95 | 635.63 | -1.144 | -98.347000 |
| Aundh Solar 132kV | 09/01/2020 11:00:00 | 45 | 2500.0 | 855.0 | 1924.69 | 1069.69 | 42.79 | 667.04 | -4.479 | -311.113095 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Solar 132kV | 09/01/2020 11:15:00 | 46 | 2500.0 | 997.5 | 1950.31 | 952.81 | 38.11 | 491.72 | -3.519 | -174.490789 |
| Aundh Solar 132kV | 09/01/2020 11:30:00 | 47 | 2500.0 | 992.5 | 1915.62 | 923.12 | 36.92 | 447.18 | -2.303 | -119.631268 |
| Aundh Solar 132kV | 09/01/2020 11:45:00 | 48 | 2500.0 | 1007.5 | 1951.88 | 944.38 | 37.78 | 479.07 | -0.576 | -13.588482 |
| Aundh Solar 132kV | 09/01/2020 12:00:00 | 49 | 2500.0 | 980.0 | 1735.94 | 755.94 | 30.24 | 255.94 | 0.000 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 12:15:00 | 50 | 2500.0 | 945.0 | 1789.38 | 844.38 | 33.78 | 344.38 | 3.839 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 12:30:00 | 51 | 2500.0 | 955.0 | 502.19 | -452.81 | 18.11 | 38.91 | 3.199 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 12:45:00 | 52 | 2500.0 | 972.5 | 1224.06 | 251.56 | 10.06 | 0.00 | 3.199 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 13:00:00 | 53 | 2500.0 | 907.5 | 1435.62 | 528.12 | 21.12 | 76.56 | -1.152 | -6.164319 |
| Aundh Solar 132kV | 09/01/2020 13:15:00 | 54 | 2500.0 | 972.5 | 1212.5 | 240.0 | 9.6 | 0.00 | -1.152 | -9.547392 |
| Aundh Solar 132kV | 09/01/2020 13:30:00 | 55 | 2500.0 | 897.5 | 1339.06 | 441.56 | 17.66 | 33.28 | 1.727 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 13:45:00 | 56 | 2500.0 | 872.5 | 1190.31 | 317.81 | 12.71 | 0.00 | 3.199 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 14:00:00 | 57 | 2500.0 | 885.0 | 1003.12 | 118.12 | 4.72 | 0.00 | 4.345 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 14:15:00 | 58 | 2500.0 | 867.5 | 840.0 | -27.5 | 1.1 | 0.00 | 3.941 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 14:30:00 | 59 | 2500.0 | 777.5 | 1153.75 | 376.25 | 15.05 | 0.63 | 1.152 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 14:45:00 | 60 | 2500.0 | 760.0 | 1184.69 | 424.69 | 16.99 | 24.85 | -0.576 | -4.067354 |
| Aundh Solar 132kV | 09/01/2020 15:00:00 | 61 | 2500.0 | 765.0 | 943.44 | 178.44 | 7.14 | 0.00 | -1.006 | -26.209285 |
| Aundh Solar 132kV | 09/01/2020 15:15:00 | 62 | 2500.0 | 717.5 | 915.31 | 197.81 | 7.91 | 0.00 | 3.199 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 15:30:00 | 63 | 2500.0 | 665.0 | 826.56 | 161.56 | 6.46 | 0.00 | 2.879 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 15:45:00 | 64 | 2500.0 | 535.0 | 626.25 | 91.25 | 3.65 | 0.00 | 3.839 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 16:00:00 | 65 | 2500.0 | 532.5 | 675.0 | 142.5 | 5.7 | 0.00 | 1.727 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 16:15:00 | 66 | 2500.0 | 340.0 | 594.38 | 254.38 | 10.18 | 0.00 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Solar 132kV | 09/01/2020 16:30:00 | 67 | 2500.0 | 297.5 | 384.69 | 87.19 | 3.49 | 0.00 | -4.159 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 16:45:00 | 68 | 2500.0 | 267.5 | 304.38 | 36.88 | 1.48 | 0.00 | 3.839 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 17:00:00 | 69 | 2500.0 | 202.5 | 302.81 | 100.31 | 4.01 | 0.00 | 1.727 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 17:15:00 | 70 | 2500.0 | 125.0 | 293.75 | 168.75 | 6.75 | 0.00 | 3.839 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 17:30:00 | 71 | 2500.0 | 82.5 | 194.38 | 111.88 | 4.48 | 0.00 | -2.879 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 17:45:00 | 72 | 2500.0 | 32.5 | 66.25 | 33.75 | 1.35 | 0.00 | -4.146 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 18:00:00 | 73 | 2500.0 | 5.0 | 8.75 | 3.75 | 0.15 | 0.00 | -3.349 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 18:15:00 | 74 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.563 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 18:30:00 | 75 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.839 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 18:45:00 | 76 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 19:00:00 | 77 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.199 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 19:15:00 | 78 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 19:30:00 | 79 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.442 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 19:45:00 | 80 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.286 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 20:00:00 | 81 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.070 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 20:15:00 | 82 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.236 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 20:30:00 | 83 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.799 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 20:45:00 | 84 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 21:00:00 | 85 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 21:15:00 | 86 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 21:30:00 | 87 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Solar 132kV | 09/01/2020 21:45:00 | 88 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.303 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 22:00:00 | 89 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.795 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 22:15:00 | 90 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.674 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 22:30:00 | 91 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.303 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 22:45:00 | 92 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.152 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 23:00:00 | 93 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 23:15:00 | 94 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 23:30:00 | 95 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Aundh Solar 132kV | 09/01/2020 23:45:00 | 96 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.987 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 00:00:00 | 1 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.680 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 00:15:00 | 2 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.326 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 00:30:00 | 3 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.992 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 00:45:00 | 4 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.532 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 01:00:00 | 5 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.713 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 01:15:00 | 6 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.548 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 01:30:00 | 7 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 01:45:00 | 8 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 02:00:00 | 9 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.342 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 02:15:00 | 10 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.595 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 02:30:00 | 11 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.326 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 02:45:00 | 12 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Solar 132kV | 10/01/2020 03:00:00 | 13 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.658 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 03:15:00 | 14 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 03:30:00 | 15 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 03:45:00 | 16 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.063 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 04:00:00 | 17 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.595 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 04:15:00 | 18 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.326 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 04:30:00 | 19 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.326 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 04:45:00 | 20 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 05:00:00 | 21 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.992 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 05:15:00 | 22 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.063 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 05:30:00 | 23 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 05:45:00 | 24 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 06:00:00 | 25 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.127 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 06:15:00 | 26 | 2500.0 | 5.0 | 0.0 | -5.0 | 0.2 | 0.00 | 2.658 | 1.268442 |
| Aundh Solar 132kV | 10/01/2020 06:30:00 | 27 | 2500.0 | 10.0 | 0.0 | -10.0 | 0.4 | 0.00 | -2.992 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 06:45:00 | 28 | 2500.0 | 17.5 | 0.0 | -17.5 | 0.7 | 0.00 | -3.077 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 07:00:00 | 29 | 2500.0 | 115.0 | 0.0 | -115.0 | 4.6 | 0.00 | -0.687 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 07:15:00 | 30 | 2500.0 | 212.5 | 0.0 | -212.5 | 8.5 | 0.00 | -2.658 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 07:30:00 | 31 | 2500.0 | 312.5 | 4.69 | -307.81 | 12.31 | 0.00 | -1.063 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 07:45:00 | 32 | 2500.0 | 410.0 | 40.0 | -370.0 | 14.8 | 0.00 | -2.658 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 08:00:00 | 33 | 2500.0 | 567.5 | 62.19 | -505.31 | 20.21 | 65.16 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Solar 132kV | 10/01/2020 08:15:00 | 34 | 2500.0 | 727.5 | 88.75 | -638.75 | 25.55 | 138.75 | -4.661 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 08:30:00 | 35 | 2500.0 | 885.0 | 145.31 | -739.69 | 29.59 | 239.69 | 5.663 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 08:45:00 | 36 | 2500.0 | 1045.0 | 322.5 | -722.5 | 28.9 | 222.50 | 4.328 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 09:00:00 | 37 | 2500.0 | 822.5 | 531.88 | -290.62 | 11.62 | 0.00 | -4.995 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 09:15:00 | 38 | 2500.0 | 932.5 | 539.69 | -392.81 | 15.71 | 8.91 | -4.327 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 09:30:00 | 39 | 2500.0 | 1005.0 | 604.06 | -400.94 | 16.04 | 12.97 | -2.127 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 09:45:00 | 40 | 2500.0 | 1127.5 | 936.25 | -191.25 | 7.65 | 0.00 | -1.152 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 10:00:00 | 41 | 2500.0 | 1202.5 | 1084.38 | -118.12 | 4.72 | 0.00 | 0.000 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 10:15:00 | 42 | 2500.0 | 1272.5 | 1225.94 | -46.56 | 1.86 | 0.00 | -0.532 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 10:30:00 | 43 | 2500.0 | 1337.5 | 1396.25 | 58.75 | 2.35 | 0.00 | -1.063 | -3.509486 |
| Aundh Solar 132kV | 10/01/2020 10:45:00 | 44 | 2500.0 | 1332.5 | 1277.81 | -54.69 | 2.19 | 0.00 | 0.000 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 11:00:00 | 45 | 2500.0 | 1335.0 | 992.5 | -342.5 | 13.7 | 0.00 | 2.658 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 11:15:00 | 46 | 2500.0 | 1400.0 | 1096.88 | -303.12 | 12.12 | 0.00 | 0.000 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 11:30:00 | 47 | 2500.0 | 1400.0 | 1381.56 | -18.44 | 0.74 | 0.00 | -1.595 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 11:45:00 | 48 | 2500.0 | 1417.5 | 1134.06 | -283.44 | 11.34 | 0.00 | 2.992 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 12:00:00 | 49 | 2500.0 | 922.5 | 872.81 | -49.69 | 1.99 | 0.00 | 0.000 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 12:15:00 | 50 | 2500.0 | 862.5 | 604.69 | -257.81 | 10.31 | 0.00 | 2.127 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 12:30:00 | 51 | 2500.0 | 745.0 | 756.56 | 11.56 | 0.46 | 0.00 | 1.595 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 12:45:00 | 52 | 2500.0 | 895.0 | 722.5 | -172.5 | 6.9 | 0.00 | -1.063 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 13:00:00 | 53 | 2500.0 | 897.5 | 845.62 | -51.88 | 2.08 | 0.00 | 2.658 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 13:15:00 | 54 | 2500.0 | 932.5 | 718.44 | -214.06 | 8.56 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Solar 132kV | 10/01/2020 13:30:00 | 55 | 2500.0 | 910.0 | 876.25 | -33.75 | 1.35 | 0.00 | 2.127 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 13:45:00 | 56 | 2500.0 | 862.5 | 1052.19 | 189.69 | 7.59 | 0.00 | -3.326 | -7.700408 |
| Aundh Solar 132kV | 10/01/2020 14:00:00 | 57 | 2500.0 | 867.5 | 1180.31 | 312.81 | 12.51 | 0.00 | -2.992 | -1.011794 |
| Aundh Solar 132kV | 10/01/2020 14:15:00 | 58 | 2500.0 | 847.5 | 1167.19 | 319.69 | 12.79 | 0.00 | 3.660 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 14:30:00 | 59 | 2500.0 | 792.5 | 1215.62 | 423.12 | 16.92 | 24.06 | -2.127 | -25.248575 |
| Aundh Solar 132kV | 10/01/2020 14:45:00 | 60 | 2500.0 | 732.5 | 620.0 | -112.5 | 4.5 | 0.00 | -2.127 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 15:00:00 | 61 | 2500.0 | 800.0 | 653.12 | -146.88 | 5.88 | 0.00 | 0.000 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 15:15:00 | 62 | 2500.0 | 725.0 | 1401.56 | 676.56 | 27.06 | 176.56 | -2.992 | -82.058537 |
| Aundh Solar 132kV | 10/01/2020 15:30:00 | 63 | 2500.0 | 732.5 | 1316.88 | 584.38 | 23.38 | 104.69 | -4.995 | -251.051079 |
| Aundh Solar 132kV | 10/01/2020 15:45:00 | 64 | 2500.0 | 575.0 | 1184.38 | 609.38 | 24.38 | 117.19 | -4.327 | -164.671157 |
| Aundh Solar 132kV | 10/01/2020 16:00:00 | 65 | 2500.0 | 580.0 | 1076.88 | 496.88 | 19.88 | 60.94 | -4.995 | -18.506561 |
| Aundh Solar 132kV | 10/01/2020 16:15:00 | 66 | 2500.0 | 397.5 | 882.81 | 485.31 | 19.41 | 55.16 | -8.000 | -271.945584 |
| Aundh Solar 132kV | 10/01/2020 16:30:00 | 67 | 2500.0 | 327.5 | 723.44 | 395.94 | 15.84 | 10.47 | -8.000 | -304.183423 |
| Aundh Solar 132kV | 10/01/2020 16:45:00 | 68 | 2500.0 | 267.5 | 569.06 | 301.56 | 12.06 | 0.00 | 4.327 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 17:00:00 | 69 | 2500.0 | 217.5 | 421.56 | 204.06 | 8.16 | 0.00 | 0.532 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 17:15:00 | 70 | 2500.0 | 155.0 | 290.0 | 135.0 | 5.4 | 0.00 | -1.595 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 17:30:00 | 71 | 2500.0 | 97.5 | 173.44 | 75.94 | 3.04 | 0.00 | -2.658 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 17:45:00 | 72 | 2500.0 | 37.5 | 80.0 | 42.5 | 1.7 | 0.00 | -2.127 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 18:00:00 | 73 | 2500.0 | 7.5 | 17.81 | 10.31 | 0.41 | 0.00 | -1.461 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 18:15:00 | 74 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.326 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 18:30:00 | 75 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Solar 132kV | 10/01/2020 18:45:00 | 76 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.994 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 19:00:00 | 77 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.127 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 19:15:00 | 78 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 19:30:00 | 79 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.660 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 19:45:00 | 80 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.326 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 20:00:00 | 81 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.660 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 20:15:00 | 82 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.660 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 20:30:00 | 83 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.995 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 20:45:00 | 84 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.992 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 21:00:00 | 85 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.660 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 21:15:00 | 86 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.595 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 21:30:00 | 87 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.063 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 21:45:00 | 88 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.532 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 22:00:00 | 89 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.595 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 22:15:00 | 90 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.127 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 22:30:00 | 91 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.063 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 22:45:00 | 92 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 23:00:00 | 93 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 23:15:00 | 94 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 23:30:00 | 95 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Aundh Solar 132kV | 10/01/2020 23:45:00 | 96 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Solar 132kV | 11/01/2020 00:00:00 | 1 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 00:15:00 | 2 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.629 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 00:30:00 | 3 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.577 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 00:45:00 | 4 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.103 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 01:00:00 | 5 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 01:15:00 | 6 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.052 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 01:30:00 | 7 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.577 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 01:45:00 | 8 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.526 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 02:00:00 | 9 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.403 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 02:15:00 | 10 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.630 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 02:30:00 | 11 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.526 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 02:45:00 | 12 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.526 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 03:00:00 | 13 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.051 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 03:15:00 | 14 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 03:30:00 | 15 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 03:45:00 | 16 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 04:00:00 | 17 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 04:15:00 | 18 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.051 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 04:30:00 | 19 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.964 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 04:45:00 | 20 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.300 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 05:00:00 | 21 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Solar 132kV | 11/01/2020 05:15:00 | 22 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.314 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 05:30:00 | 23 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 05:45:00 | 24 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.103 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 06:00:00 | 25 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.636 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 06:15:00 | 26 | 2500.0 | 2.5 | 0.0 | -2.5 | 0.1 | 0.00 | 2.964 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 06:30:00 | 27 | 2500.0 | 5.0 | 0.0 | -5.0 | 0.2 | 0.00 | 4.105 | 3.673121 |
| Aundh Solar 132kV | 11/01/2020 06:45:00 | 28 | 2500.0 | 10.0 | 0.0 | -10.0 | 0.4 | 0.00 | 5.650 | 1.546523 |
| Aundh Solar 132kV | 11/01/2020 07:00:00 | 29 | 2500.0 | 55.0 | 0.0 | -55.0 | 2.2 | 0.00 | 3.300 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 07:15:00 | 30 | 2500.0 | 110.0 | 13.12 | -96.88 | 3.88 | 0.00 | 5.314 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 07:30:00 | 31 | 2500.0 | 175.0 | 64.38 | -110.62 | 4.42 | 0.00 | 2.964 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 07:45:00 | 32 | 2500.0 | 245.0 | 124.06 | -120.94 | 4.84 | 0.00 | 2.103 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 08:00:00 | 33 | 2500.0 | 357.5 | 269.06 | -88.44 | 3.54 | 0.00 | -1.577 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 08:15:00 | 34 | 2500.0 | 462.5 | 360.0 | -102.5 | 4.1 | 0.00 | 3.300 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 08:30:00 | 35 | 2500.0 | 577.5 | 484.38 | -93.12 | 3.72 | 0.00 | 2.116 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 08:45:00 | 36 | 2500.0 | 697.5 | 607.81 | -89.69 | 3.59 | 0.00 | 2.964 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 09:00:00 | 37 | 2500.0 | 827.5 | 752.81 | -74.69 | 2.99 | 0.00 | 6.681 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 09:15:00 | 38 | 2500.0 | 932.5 | 847.19 | -85.31 | 3.41 | 0.00 | 6.657 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 09:30:00 | 39 | 2500.0 | 1017.5 | 814.69 | -202.81 | 8.11 | 0.00 | -6.322 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 09:45:00 | 40 | 2500.0 | 1167.5 | 635.94 | -531.56 | 21.26 | 78.28 | -2.103 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 10:00:00 | 41 | 2500.0 | 1267.5 | 612.81 | -654.69 | 26.19 | 154.69 | 0.526 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 10:15:00 | 42 | 2500.0 | 1357.5 | 411.88 | -945.62 | 37.82 | 480.93 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Solar 132kV | 11/01/2020 10:30:00 | 43 | 2500.0 | 1450.0 | 386.88 | -1063.12 | 42.52 | 657.18 | 0.000 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 10:45:00 | 44 | 2500.0 | 1472.5 | 528.75 | -943.75 | 37.75 | 478.13 | 0.000 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 11:00:00 | 45 | 2500.0 | 817.5 | 506.88 | -310.62 | 12.42 | 0.00 | 0.000 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 11:15:00 | 46 | 2500.0 | 872.5 | 666.25 | -206.25 | 8.25 | 0.00 | -2.964 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 11:30:00 | 47 | 2500.0 | 892.5 | 584.38 | -308.12 | 12.32 | 0.00 | -4.307 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 11:45:00 | 48 | 2500.0 | 897.5 | 575.0 | -322.5 | 12.9 | 0.00 | -3.300 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 12:00:00 | 49 | 2500.0 | 885.0 | 675.0 | -210.0 | 8.4 | 0.00 | -0.526 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 12:15:00 | 50 | 2500.0 | 860.0 | 583.12 | -276.88 | 11.08 | 0.00 | -2.103 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 12:30:00 | 51 | 2500.0 | 1335.0 | 634.38 | -700.62 | 28.02 | 200.62 | -2.629 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 12:45:00 | 52 | 2500.0 | 1377.5 | 844.69 | -532.81 | 21.31 | 78.91 | -2.629 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 13:00:00 | 53 | 2500.0 | 1340.0 | 923.12 | -416.88 | 16.68 | 20.94 | 0.000 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 13:15:00 | 54 | 2500.0 | 1327.5 | 1066.88 | -260.62 | 10.42 | 0.00 | -2.103 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 13:30:00 | 55 | 2500.0 | 1305.0 | 1179.38 | -125.62 | 5.02 | 0.00 | 2.629 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 13:45:00 | 56 | 2500.0 | 1085.0 | 1294.69 | 209.69 | 8.39 | 0.00 | 2.103 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 14:00:00 | 57 | 2500.0 | 1062.5 | 1680.62 | 618.12 | 24.72 | 121.56 | 1.051 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 14:15:00 | 58 | 2500.0 | 1022.5 | 1716.25 | 693.75 | 27.75 | 193.75 | 3.300 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 14:30:00 | 59 | 2500.0 | 970.0 | 1577.19 | 607.19 | 24.29 | 116.10 | -3.636 | -53.279587 |
| Aundh Solar 132kV | 11/01/2020 14:45:00 | 60 | 2500.0 | 897.5 | 1255.31 | 357.81 | 14.31 | 0.00 | 4.979 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 15:00:00 | 61 | 2500.0 | 857.5 | 1314.06 | 456.56 | 18.26 | 40.78 | -2.964 | -99.853356 |
| Aundh Solar 132kV | 11/01/2020 15:15:00 | 62 | 2500.0 | 817.5 | 1009.38 | 191.88 | 7.68 | 0.00 | -5.314 | -2.332070 |
| Aundh Solar 132kV | 11/01/2020 15:30:00 | 63 | 2500.0 | 755.0 | 1354.38 | 599.38 | 23.98 | 112.19 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Solar 132kV | 11/01/2020 15:45:00 | 64 | 2500.0 | 645.0 | 1415.94 | 770.94 | 30.84 | 270.94 | 4.643 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 16:00:00 | 65 | 2500.0 | 577.5 | 1250.0 | 672.5 | 26.9 | 172.50 | 2.103 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 16:15:00 | 66 | 2500.0 | 457.5 | 710.31 | 252.81 | 10.11 | 0.00 | -2.964 | -26.855632 |
| Aundh Solar 132kV | 11/01/2020 16:30:00 | 67 | 2500.0 | 367.5 | 288.12 | -79.38 | 3.18 | 0.00 | -2.103 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 16:45:00 | 68 | 2500.0 | 290.0 | 357.19 | 67.19 | 2.69 | 0.00 | 3.972 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 17:00:00 | 69 | 2500.0 | 232.5 | 452.19 | 219.69 | 8.79 | 0.00 | -1.577 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 17:15:00 | 70 | 2500.0 | 162.5 | 295.0 | 132.5 | 5.3 | 0.00 | -1.577 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 17:30:00 | 71 | 2500.0 | 105.0 | 162.19 | 57.19 | 2.29 | 0.00 | 1.051 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 17:45:00 | 72 | 2500.0 | 45.0 | 77.5 | 32.5 | 1.3 | 0.00 | -2.103 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 18:00:00 | 73 | 2500.0 | 20.0 | 21.25 | 1.25 | 0.05 | 0.00 | -2.964 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 18:15:00 | 74 | 2500.0 | 7.5 | 0.0 | -7.5 | 0.3 | 0.00 | -2.629 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 18:30:00 | 75 | 2500.0 | 2.5 | 0.0 | -2.5 | 0.1 | 0.00 | 2.103 | 0.087880 |
| Aundh Solar 132kV | 11/01/2020 18:45:00 | 76 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.526 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 19:00:00 | 77 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.103 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 19:15:00 | 78 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.052 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 19:30:00 | 79 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 19:45:00 | 80 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.629 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 20:00:00 | 81 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.629 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 20:15:00 | 82 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.307 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 20:30:00 | 83 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 20:45:00 | 84 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.629 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Solar 132kV | 11/01/2020 21:00:00 | 85 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.636 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 21:15:00 | 86 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.577 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 21:30:00 | 87 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.577 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 21:45:00 | 88 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.052 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 22:00:00 | 89 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.650 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 22:15:00 | 90 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.650 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 22:30:00 | 91 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.979 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 22:45:00 | 92 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 23:00:00 | 93 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.577 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 23:15:00 | 94 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.074 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 23:30:00 | 95 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.113 | 0.000000 |
| Aundh Solar 132kV | 11/01/2020 23:45:00 | 96 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.162 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 00:00:00 | 1 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 00:15:00 | 2 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 00:30:00 | 3 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 00:45:00 | 4 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 01:00:00 | 5 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.629 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 01:15:00 | 6 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.317 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 01:30:00 | 7 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.354 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 01:45:00 | 8 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 02:00:00 | 9 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Solar 132kV | 12/01/2020 02:15:00 | 10 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 02:30:00 | 11 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.690 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 02:45:00 | 12 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 03:00:00 | 13 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.354 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 03:15:00 | 14 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 03:30:00 | 15 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.354 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 03:45:00 | 16 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 04:00:00 | 17 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 04:15:00 | 18 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 04:30:00 | 19 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.076 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 04:45:00 | 20 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 05:00:00 | 21 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.686 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 05:15:00 | 22 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.686 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 05:30:00 | 23 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.614 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 05:45:00 | 24 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.496 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 06:00:00 | 25 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 06:15:00 | 26 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.430 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 06:30:00 | 27 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 06:45:00 | 28 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.681 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 07:00:00 | 29 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.614 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 07:15:00 | 30 | 2500.0 | 15.0 | 15.0 | 0.0 | 0.0 | 0.00 | 3.838 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Solar 132kV | 12/01/2020 07:30:00 | 31 | 2500.0 | 55.0 | 90.0 | 35.0 | 1.4 | 0.00 | 3.022 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 07:45:00 | 32 | 2500.0 | 100.0 | 187.19 | 87.19 | 3.49 | 0.00 | 2.690 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 08:00:00 | 33 | 2500.0 | 162.5 | 303.75 | 141.25 | 5.65 | 0.00 | -2.690 | -75.457642 |
| Aundh Solar 132kV | 12/01/2020 08:15:00 | 34 | 2500.0 | 205.0 | 456.56 | 251.56 | 10.06 | 0.00 | -4.018 | -123.895298 |
| Aundh Solar 132kV | 12/01/2020 08:30:00 | 35 | 2500.0 | 277.5 | 616.56 | 339.06 | 13.56 | 0.00 | -2.690 | -16.103410 |
| Aundh Solar 132kV | 12/01/2020 08:45:00 | 36 | 2500.0 | 977.5 | 784.06 | -193.44 | 7.74 | 0.00 | 3.022 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 09:00:00 | 37 | 2500.0 | 1112.5 | 939.06 | -173.44 | 6.94 | 0.00 | -3.354 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 09:15:00 | 38 | 2500.0 | 1247.5 | 1096.25 | -151.25 | 6.05 | 0.00 | -4.350 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 09:30:00 | 39 | 2500.0 | 1385.0 | 1251.88 | -133.12 | 5.32 | 0.00 | 2.152 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 09:45:00 | 40 | 2500.0 | 1520.0 | 1353.44 | -166.56 | 6.66 | 0.00 | -2.690 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 10:00:00 | 41 | 2500.0 | 1620.0 | 1489.69 | -130.31 | 5.21 | 0.00 | -3.354 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 10:15:00 | 42 | 2500.0 | 1722.5 | 1644.38 | -78.12 | 3.12 | 0.00 | -3.686 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 10:30:00 | 43 | 2500.0 | 1825.0 | 1740.31 | -84.69 | 3.39 | 0.00 | -1.614 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 10:45:00 | 44 | 2500.0 | 1850.0 | 1844.06 | -5.94 | 0.24 | 0.00 | 3.686 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 11:00:00 | 45 | 2500.0 | 1850.0 | 1941.88 | 91.88 | 3.68 | 0.00 | -3.354 | -13.675157 |
| Aundh Solar 132kV | 12/01/2020 11:15:00 | 46 | 2500.0 | 1850.0 | 2011.88 | 161.88 | 6.48 | 0.00 | -5.450 | -71.277725 |
| Aundh Solar 132kV | 12/01/2020 11:30:00 | 47 | 2500.0 | 1850.0 | 2055.94 | 205.94 | 8.24 | 0.00 | -6.009 | -39.263886 |
| Aundh Solar 132kV | 12/01/2020 11:45:00 | 48 | 2500.0 | 1850.0 | 1872.19 | 22.19 | 0.89 | 0.00 | 2.690 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 12:00:00 | 49 | 2500.0 | 1850.0 | 1949.69 | 99.69 | 3.99 | 0.00 | 3.686 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 12:15:00 | 50 | 2500.0 | 1850.0 | 2023.44 | 173.44 | 6.94 | 0.00 | -5.345 | -20.436298 |
| Aundh Solar 132kV | 12/01/2020 12:30:00 | 51 | 2500.0 | 1850.0 | 2186.56 | 336.56 | 13.46 | 0.00 | -3.022 | -32.295720 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Solar 132kV | 12/01/2020 12:45:00 | 52 | 2500.0 | 1850.0 | 1882.5 | 32.5 | 1.3 | 0.00 | -5.345 | -11.798874 |
| Aundh Solar 132kV | 12/01/2020 13:00:00 | 53 | 2500.0 | 1850.0 | 2030.0 | 180.0 | 7.2 | 0.00 | -3.999 | -52.600786 |
| Aundh Solar 132kV | 12/01/2020 13:15:00 | 54 | 2500.0 | 1850.0 | 2011.25 | 161.25 | 6.45 | 0.00 | -4.350 | -6.481355 |
| Aundh Solar 132kV | 12/01/2020 13:30:00 | 55 | 2500.0 | 1850.0 | 1984.69 | 134.69 | 5.39 | 0.00 | -1.076 | -4.368650 |
| Aundh Solar 132kV | 12/01/2020 13:45:00 | 56 | 2500.0 | 1850.0 | 2034.69 | 184.69 | 7.39 | 0.00 | -2.690 | -11.168439 |
| Aundh Solar 132kV | 12/01/2020 14:00:00 | 57 | 2500.0 | 1850.0 | 1945.0 | 95.0 | 3.8 | 0.00 | -0.538 | -2.597563 |
| Aundh Solar 132kV | 12/01/2020 14:15:00 | 58 | 2500.0 | 1840.0 | 1786.25 | -53.75 | 2.15 | 0.00 | -2.152 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 14:30:00 | 59 | 2500.0 | 1747.5 | 1702.19 | -45.31 | 1.81 | 0.00 | -2.690 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 14:45:00 | 60 | 2500.0 | 1655.0 | 1682.19 | 27.19 | 1.09 | 0.00 | -1.076 | -0.533020 |
| Aundh Solar 132kV | 12/01/2020 15:00:00 | 61 | 2500.0 | 1520.0 | 1622.81 | 102.81 | 4.11 | 0.00 | 0.000 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 15:15:00 | 62 | 2500.0 | 1387.5 | 1487.81 | 100.31 | 4.01 | 0.00 | -2.690 | -13.869695 |
| Aundh Solar 132kV | 12/01/2020 15:30:00 | 63 | 2500.0 | 1252.5 | 1386.88 | 134.38 | 5.38 | 0.00 | -3.022 | -13.393017 |
| Aundh Solar 132kV | 12/01/2020 15:45:00 | 64 | 2500.0 | 1117.5 | 1229.06 | 111.56 | 4.46 | 0.00 | -3.686 | -18.961856 |
| Aundh Solar 132kV | 12/01/2020 16:00:00 | 65 | 2500.0 | 965.0 | 1126.88 | 161.88 | 6.48 | 0.00 | -3.737 | -137.860726 |
| Aundh Solar 132kV | 12/01/2020 16:15:00 | 66 | 2500.0 | 812.5 | 946.56 | 134.06 | 5.36 | 0.00 | -5.786 | -176.945490 |
| Aundh Solar 132kV | 12/01/2020 16:30:00 | 67 | 2500.0 | 660.0 | 820.94 | 160.94 | 6.44 | 0.00 | -4.350 | -91.494363 |
| Aundh Solar 132kV | 12/01/2020 16:45:00 | 68 | 2500.0 | 507.5 | 656.88 | 149.38 | 5.98 | 0.00 | -1.614 | -19.193135 |
| Aundh Solar 132kV | 12/01/2020 17:00:00 | 69 | 2500.0 | 397.5 | 493.75 | 96.25 | 3.85 | 0.00 | 0.000 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 17:15:00 | 70 | 2500.0 | 287.5 | 334.06 | 46.56 | 1.86 | 0.00 | 2.690 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 17:30:00 | 71 | 2500.0 | 177.5 | 193.75 | 16.25 | 0.65 | 0.00 | -3.022 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 17:45:00 | 72 | 2500.0 | 70.0 | 85.62 | 15.62 | 0.62 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Solar 132kV | 12/01/2020 18:00:00 | 73 | 2500.0 | 37.5 | 18.75 | -18.75 | 0.75 | 0.00 | -0.538 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 18:15:00 | 74 | 2500.0 | 17.5 | 0.0 | -17.5 | 0.7 | 0.00 | -4.350 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 18:30:00 | 75 | 2500.0 | 5.0 | 0.0 | -5.0 | 0.2 | 0.00 | 2.690 | 0.859835 |
| Aundh Solar 132kV | 12/01/2020 18:45:00 | 76 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 19:00:00 | 77 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.686 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 19:15:00 | 78 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.690 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 19:30:00 | 79 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 19:45:00 | 80 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.781 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 20:00:00 | 81 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.021 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 20:15:00 | 82 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.018 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 20:30:00 | 83 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.354 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 20:45:00 | 84 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.614 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 21:00:00 | 85 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.350 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 21:15:00 | 86 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.686 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 21:30:00 | 87 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.614 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 21:45:00 | 88 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 22:00:00 | 89 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.354 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 22:15:00 | 90 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.350 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 22:30:00 | 91 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.215 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 22:45:00 | 92 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 23:00:00 | 93 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Solar 132kV | 12/01/2020 23:15:00 | 94 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 23:30:00 | 95 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Aundh Solar 132kV | 12/01/2020 23:45:00 | 96 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 00:00:00 | 1 | 24750.0 | 3297.5 | 7930.16 | 4632.66 | 18.72 | 460.08 | 2.903 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 00:15:00 | 2 | 24750.0 | 2910.0 | 8170.47 | 5260.47 | 21.25 | 773.99 | 0.000 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 00:30:00 | 3 | 24750.0 | 2742.5 | 8612.97 | 5870.47 | 23.72 | 1078.99 | 0.000 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 00:45:00 | 4 | 24750.0 | 2630.0 | 8867.5 | 6237.5 | 25.2 | 1287.50 | -0.984 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 01:00:00 | 5 | 24750.0 | 2572.5 | 8909.85 | 6337.35 | 25.61 | 1387.35 | -3.541 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 01:15:00 | 6 | 24750.0 | 2582.5 | 9093.28 | 6510.78 | 26.31 | 1560.78 | 3.222 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 01:30:00 | 7 | 24750.0 | 2577.5 | 9028.44 | 6450.94 | 26.06 | 1500.94 | 3.541 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 01:45:00 | 8 | 24750.0 | 2622.5 | 9472.03 | 6849.53 | 27.67 | 1899.53 | 2.352 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 02:00:00 | 9 | 24750.0 | 2755.0 | 9710.62 | 6955.62 | 28.1 | 2005.62 | 1.747 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 02:15:00 | 10 | 24750.0 | 2752.5 | 9754.53 | 7002.03 | 28.29 | 2052.03 | 0.581 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 02:30:00 | 11 | 24750.0 | 2687.5 | 9712.66 | 7025.16 | 28.38 | 2075.16 | -2.323 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 02:45:00 | 12 | 24750.0 | 2535.0 | 9967.81 | 7432.81 | 30.03 | 2482.81 | 2.323 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 03:00:00 | 13 | 24750.0 | 2492.5 | 9893.44 | 7400.94 | 29.9 | 2450.94 | 2.323 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 03:15:00 | 14 | 24750.0 | 2185.0 | 10165.78 | 7980.78 | 32.25 | 3030.78 | -1.742 | -240.343927 |
| Aundh Wind 132kV | 06/01/2020 03:30:00 | 15 | 24750.0 | 2315.0 | 10406.87 | 8091.87 | 32.69 | 3141.87 | 3.222 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 03:45:00 | 16 | 24750.0 | 2295.0 | 10791.09 | 8496.09 | 34.33 | 3546.09 | 3.541 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 04:00:00 | 17 | 24750.0 | 2332.5 | 10769.37 | 8436.87 | 34.09 | 3486.87 | 4.496 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 04:15:00 | 18 | 24750.0 | 2295.0 | 10695.94 | 8400.94 | 33.94 | 3450.94 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Wind 132kV | 06/01/2020 04:30:00 | 19 | 24750.0 | 2175.0 | 10283.75 | 8108.75 | 32.76 | 3158.75 | 3.859 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 04:45:00 | 20 | 24750.0 | 2380.0 | 9898.44 | 7518.44 | 30.38 | 2568.44 | 4.815 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 05:00:00 | 21 | 24750.0 | 2165.0 | 9786.87 | 7621.87 | 30.8 | 2671.87 | 3.859 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 05:15:00 | 22 | 24750.0 | 2052.5 | 9748.12 | 7695.62 | 31.09 | 2745.62 | 6.407 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 05:30:00 | 23 | 24750.0 | 1920.0 | 9063.28 | 7143.28 | 28.86 | 2193.28 | 6.496 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 05:45:00 | 24 | 24750.0 | 2037.5 | 8944.53 | 6907.03 | 27.91 | 1957.03 | 7.492 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 06:00:00 | 25 | 24750.0 | 2295.0 | 8495.47 | 6200.47 | 25.05 | 1250.47 | -5.452 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 06:15:00 | 26 | 24750.0 | 2285.0 | 8163.28 | 5878.28 | 23.75 | 1082.89 | -6.089 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 06:30:00 | 27 | 24750.0 | 1920.0 | 8125.0 | 6205.0 | 25.07 | 1255.00 | -7.044 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 06:45:00 | 28 | 24750.0 | 2037.5 | 7721.09 | 5683.59 | 22.96 | 985.55 | 7.682 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 07:00:00 | 29 | 24750.0 | 2295.0 | 7234.38 | 4939.38 | 19.96 | 613.44 | -3.859 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 07:15:00 | 30 | 24750.0 | 2285.0 | 6925.31 | 4640.31 | 18.75 | 463.91 | 4.815 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 07:30:00 | 31 | 24750.0 | 2182.5 | 6867.19 | 4684.69 | 18.93 | 486.10 | 4.178 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 07:45:00 | 32 | 24750.0 | 2617.5 | 6849.53 | 4232.03 | 17.1 | 259.77 | -3.540 | -1872.149127 |
| Aundh Wind 132kV | 06/01/2020 08:00:00 | 33 | 24750.0 | 2742.5 | 6502.03 | 3759.53 | 15.19 | 23.52 | -3.859 | -989.978972 |
| Aundh Wind 132kV | 06/01/2020 08:15:00 | 34 | 24750.0 | 2767.5 | 6089.53 | 3322.03 | 13.42 | 0.00 | -5.452 | -285.430524 |
| Aundh Wind 132kV | 06/01/2020 08:30:00 | 35 | 24750.0 | 2810.0 | 5491.4 | 2681.4 | 10.83 | 0.00 | 4.178 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 08:45:00 | 36 | 24750.0 | 2857.5 | 4887.03 | 2029.53 | 8.2 | 0.00 | -3.859 | -205.640342 |
| Aundh Wind 132kV | 06/01/2020 09:00:00 | 37 | 24750.0 | 2315.0 | 4312.97 | 1997.97 | 8.07 | 0.00 | -6.407 | -626.058007 |
| Aundh Wind 132kV | 06/01/2020 09:15:00 | 38 | 24750.0 | 2295.0 | 3808.9 | 1513.9 | 6.12 | 0.00 | -8.000 | -240.701950 |
| Aundh Wind 132kV | 06/01/2020 09:30:00 | 39 | 24750.0 | 2332.5 | 3396.09 | 1063.59 | 4.3 | 0.00 | -5.770 | -73.208526 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Wind 132kV | 06/01/2020 09:45:00 | 40 | 24750.0 | 2295.0 | 3115.63 | 820.63 | 3.32 | 0.00 | 3.222 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 10:00:00 | 41 | 24750.0 | 2175.0 | 3360.78 | 1185.78 | 4.79 | 0.00 | -2.903 | -161.796519 |
| Aundh Wind 132kV | 06/01/2020 10:15:00 | 42 | 24750.0 | 2380.0 | 3516.88 | 1136.88 | 4.59 | 0.00 | -3.222 | -31.970993 |
| Aundh Wind 132kV | 06/01/2020 10:30:00 | 43 | 24750.0 | 2165.0 | 3540.78 | 1375.78 | 5.56 | 0.00 | 4.815 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 10:45:00 | 44 | 24750.0 | 2052.5 | 3322.03 | 1269.53 | 5.13 | 0.00 | 4.496 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 11:00:00 | 45 | 24750.0 | 1920.0 | 2437.97 | 517.97 | 2.09 | 0.00 | 16.000 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 11:15:00 | 46 | 24750.0 | 2037.5 | 1961.72 | -75.78 | 0.31 | 0.00 | 5.133 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 11:30:00 | 47 | 24750.0 | 2295.0 | 1622.19 | -672.81 | 2.72 | 0.00 | 1.182 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 11:45:00 | 48 | 24750.0 | 2285.0 | 1288.59 | -996.41 | 4.03 | 0.00 | 6.308 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 12:00:00 | 49 | 24750.0 | 1920.0 | 862.35 | -1057.65 | 4.27 | 0.00 | 6.598 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 12:15:00 | 50 | 24750.0 | 2037.5 | 698.28 | -1339.22 | 5.41 | 0.00 | 5.431 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 12:30:00 | 51 | 24750.0 | 2295.0 | 521.56 | -1773.44 | 7.17 | 0.00 | 3.540 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 12:45:00 | 52 | 24750.0 | 2285.0 | 420.0 | -1865.0 | 7.54 | 0.00 | -2.903 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 13:00:00 | 53 | 24750.0 | 2182.5 | 369.84 | -1812.66 | 7.32 | 0.00 | -1.161 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 13:15:00 | 54 | 24750.0 | 2617.5 | 344.69 | -2272.81 | 9.18 | 0.00 | 3.859 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 13:30:00 | 55 | 24750.0 | 2742.5 | 267.03 | -2475.47 | 10.0 | 0.00 | -6.407 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 13:45:00 | 56 | 24750.0 | 2767.5 | 236.72 | -2530.78 | 10.23 | 0.00 | 5.452 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 14:00:00 | 57 | 24750.0 | 2810.0 | 239.84 | -2570.16 | 10.38 | 0.00 | 5.452 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 14:15:00 | 58 | 24750.0 | 2797.5 | 342.5 | -2455.0 | 9.92 | 0.00 | 16.000 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 14:30:00 | 59 | 24750.0 | 2785.0 | 929.38 | -1855.62 | 7.5 | 0.00 | 6.035 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 14:45:00 | 60 | 24750.0 | 2742.5 | 1302.97 | -1439.53 | 5.82 | 0.00 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Wind 132kV | 06/01/2020 15:00:00 | 61 | 24750.0 | 2630.0 | 1163.75 | -1466.25 | 5.92 | 0.00 | 3.367 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 15:15:00 | 62 | 24750.0 | 2572.5 | 856.25 | -1716.25 | 6.93 | 0.00 | 3.904 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 15:30:00 | 63 | 24750.0 | 2582.5 | 748.28 | -1834.22 | 7.41 | 0.00 | 4.482 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 15:45:00 | 64 | 24750.0 | 2577.5 | 604.53 | -1972.97 | 7.97 | 0.00 | 4.225 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 16:00:00 | 65 | 24750.0 | 2622.5 | 567.03 | -2055.47 | 8.3 | 0.00 | 2.895 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 16:15:00 | 66 | 24750.0 | 2755.0 | 499.22 | -2255.78 | 9.11 | 0.00 | 6.089 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 16:30:00 | 67 | 24750.0 | 2752.5 | 436.09 | -2316.41 | 9.36 | 0.00 | -8.000 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 16:45:00 | 68 | 24750.0 | 2750.0 | 258.12 | -2491.88 | 10.07 | 0.00 | -4.178 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 17:00:00 | 69 | 24750.0 | 2535.0 | 164.69 | -2370.31 | 9.58 | 0.00 | 1.742 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 17:15:00 | 70 | 24750.0 | 2492.5 | 183.44 | -2309.06 | 9.33 | 0.00 | 2.903 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 17:30:00 | 71 | 24750.0 | 2185.0 | 93.28 | -2091.72 | 8.45 | 0.00 | -4.178 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 17:45:00 | 72 | 24750.0 | 2315.0 | 100.0 | -2215.0 | 8.95 | 0.00 | -2.323 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 18:00:00 | 73 | 24750.0 | 2295.0 | 54.69 | -2240.31 | 9.05 | 0.00 | -2.903 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 18:15:00 | 74 | 24750.0 | 2332.5 | 21.09 | -2311.41 | 9.34 | 0.00 | 1.161 | 601.104114 |
| Aundh Wind 132kV | 06/01/2020 18:30:00 | 75 | 24750.0 | 2295.0 | 0.0 | -2295.0 | 9.27 | 0.00 | 2.903 | 1954.728678 |
| Aundh Wind 132kV | 06/01/2020 18:45:00 | 76 | 24750.0 | 2175.0 | 0.0 | -2175.0 | 8.79 | 0.00 | 2.903 | 43.855004 |
| Aundh Wind 132kV | 06/01/2020 19:00:00 | 77 | 24750.0 | 2380.0 | 0.0 | -2380.0 | 9.62 | 0.00 | -1.161 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 19:15:00 | 78 | 24750.0 | 2165.0 | 0.0 | -2165.0 | 8.75 | 0.00 | -4.178 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 19:30:00 | 79 | 24750.0 | 3492.5 | 0.0 | -3492.5 | 14.11 | 0.00 | -2.323 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 19:45:00 | 80 | 24750.0 | 3380.0 | 0.0 | -3380.0 | 13.66 | 0.00 | -4.178 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 20:00:00 | 81 | 24750.0 | 3322.5 | 0.0 | -3322.5 | 13.42 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Wind 132kV | 06/01/2020 20:15:00 | 82 | 24750.0 | 3332.5 | 0.0 | -3332.5 | 13.46 | 0.00 | -5.770 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 20:30:00 | 83 | 24750.0 | 3327.5 | 0.0 | -3327.5 | 13.44 | 0.00 | 5.770 | 453.382441 |
| Aundh Wind 132kV | 06/01/2020 20:45:00 | 84 | 24750.0 | 3372.5 | 0.0 | -3372.5 | 13.63 | 0.00 | 4.178 | 1394.708648 |
| Aundh Wind 132kV | 06/01/2020 21:00:00 | 85 | 24750.0 | 3492.5 | 0.0 | -3492.5 | 14.11 | 0.00 | 3.222 | 764.080228 |
| Aundh Wind 132kV | 06/01/2020 21:15:00 | 86 | 24750.0 | 3380.0 | 0.0 | -3380.0 | 13.66 | 0.00 | -1.742 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 21:30:00 | 87 | 24750.0 | 3322.5 | 0.0 | -3322.5 | 13.42 | 0.00 | 0.000 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 21:45:00 | 88 | 24750.0 | 3332.5 | 0.0 | -3332.5 | 13.46 | 0.00 | 1.161 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 22:00:00 | 89 | 24750.0 | 3327.5 | 0.0 | -3327.5 | 13.44 | 0.00 | 4.815 | 1948.341386 |
| Aundh Wind 132kV | 06/01/2020 22:15:00 | 90 | 24750.0 | 3372.5 | 0.0 | -3372.5 | 13.63 | 0.00 | 3.859 | 2037.330815 |
| Aundh Wind 132kV | 06/01/2020 22:30:00 | 91 | 24750.0 | 3492.5 | 0.0 | -3492.5 | 14.11 | 0.00 | 1.742 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 22:45:00 | 92 | 24750.0 | 3380.0 | 0.62 | -3379.38 | 13.65 | 0.00 | -2.323 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 23:00:00 | 93 | 24750.0 | 3322.5 | 149.69 | -3172.81 | 12.82 | 0.00 | -2.903 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 23:15:00 | 94 | 24750.0 | 3332.5 | 466.41 | -2866.09 | 11.58 | 0.00 | 2.323 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 23:30:00 | 95 | 24750.0 | 3327.5 | 880.0 | -2447.5 | 9.89 | 0.00 | -3.222 | 0.000000 |
| Aundh Wind 132kV | 06/01/2020 23:45:00 | 96 | 24750.0 | 3372.5 | 1318.59 | -2053.91 | 8.3 | 0.00 | 2.323 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 00:00:00 | 1 | 24750.0 | 3297.5 | 1666.88 | -1630.62 | 6.59 | 0.00 | -0.549 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 00:15:00 | 2 | 24750.0 | 2910.0 | 2014.06 | -895.94 | 3.62 | 0.00 | -1.647 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 00:30:00 | 3 | 24750.0 | 2742.5 | 2713.91 | -28.59 | 0.12 | 0.00 | -3.073 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 00:45:00 | 4 | 24750.0 | 2630.0 | 2536.09 | -93.91 | 0.38 | 0.00 | -2.744 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 01:00:00 | 5 | 24750.0 | 2572.5 | 2508.28 | -64.22 | 0.26 | 0.00 | -4.058 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 01:15:00 | 6 | 24750.0 | 2582.5 | 2578.28 | -4.22 | 0.02 | 0.00 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Wind 132kV | 07/01/2020 01:30:00 | 7 | 24750.0 | 2577.5 | 1908.91 | -668.59 | 2.7 | 0.00 | -3.401 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 01:45:00 | 8 | 24750.0 | 2622.5 | 1545.47 | -1077.03 | 4.35 | 0.00 | 3.730 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 02:00:00 | 9 | 24750.0 | 2755.0 | 1176.56 | -1578.44 | 6.38 | 0.00 | 3.073 | 343.638159 |
| Aundh Wind 132kV | 07/01/2020 02:15:00 | 10 | 24750.0 | 2752.5 | 757.5 | -1995.0 | 8.06 | 0.00 | 3.073 | 194.212608 |
| Aundh Wind 132kV | 07/01/2020 02:30:00 | 11 | 24750.0 | 2687.5 | 567.97 | -2119.53 | 8.56 | 0.00 | 3.401 | 288.599582 |
| Aundh Wind 132kV | 07/01/2020 02:45:00 | 12 | 24750.0 | 2535.0 | 562.97 | -1972.03 | 7.97 | 0.00 | 2.745 | 267.814179 |
| Aundh Wind 132kV | 07/01/2020 03:00:00 | 13 | 24750.0 | 2492.5 | 677.81 | -1814.69 | 7.33 | 0.00 | 1.647 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 03:15:00 | 14 | 24750.0 | 2185.0 | 632.03 | -1552.97 | 6.27 | 0.00 | 2.196 | 99.627190 |
| Aundh Wind 132kV | 07/01/2020 03:30:00 | 15 | 24750.0 | 2315.0 | 496.88 | -1818.12 | 7.35 | 0.00 | 1.647 | 155.177766 |
| Aundh Wind 132kV | 07/01/2020 03:45:00 | 16 | 24750.0 | 2295.0 | 455.16 | -1839.84 | 7.43 | 0.00 | 1.098 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 04:00:00 | 17 | 24750.0 | 2332.5 | 359.37 | -1973.13 | 7.97 | 0.00 | 1.647 | 722.560029 |
| Aundh Wind 132kV | 07/01/2020 04:15:00 | 18 | 24750.0 | 2295.0 | 195.31 | -2099.69 | 8.48 | 0.00 | 2.210 | 1503.290119 |
| Aundh Wind 132kV | 07/01/2020 04:30:00 | 19 | 24750.0 | 2175.0 | 137.5 | -2037.5 | 8.23 | 0.00 | 3.730 | 2059.895795 |
| Aundh Wind 132kV | 07/01/2020 04:45:00 | 20 | 24750.0 | 2380.0 | 115.62 | -2264.38 | 9.15 | 0.00 | -1.098 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 05:00:00 | 21 | 24750.0 | 2165.0 | 119.53 | -2045.47 | 8.26 | 0.00 | -2.744 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 05:15:00 | 22 | 24750.0 | 2052.5 | 91.41 | -1961.09 | 7.92 | 0.00 | 3.730 | 1007.448134 |
| Aundh Wind 132kV | 07/01/2020 05:30:00 | 23 | 24750.0 | 1920.0 | 85.94 | -1834.06 | 7.41 | 0.00 | 3.073 | 2116.689060 |
| Aundh Wind 132kV | 07/01/2020 05:45:00 | 24 | 24750.0 | 2037.5 | 25.0 | -2012.5 | 8.13 | 0.00 | 3.730 | 1804.327129 |
| Aundh Wind 132kV | 07/01/2020 06:00:00 | 25 | 24750.0 | 2295.0 | 14.84 | -2280.16 | 9.21 | 0.00 | -5.372 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 06:15:00 | 26 | 24750.0 | 2285.0 | 75.0 | -2210.0 | 8.93 | 0.00 | 4.556 | 7363.936273 |
| Aundh Wind 132kV | 07/01/2020 06:30:00 | 27 | 24750.0 | 1920.0 | 453.59 | -1466.41 | 5.92 | 0.00 | 7.148 | 8459.996890 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Wind 132kV | 07/01/2020 06:45:00 | 28 | 24750.0 | 2037.5 | 899.84 | -1137.66 | 4.6 | 0.00 | 7.821 | 6018.464321 |
| Aundh Wind 132kV | 07/01/2020 07:00:00 | 29 | 24750.0 | 2295.0 | 1334.69 | -960.31 | 3.88 | 0.00 | 5.372 | 2551.973646 |
| Aundh Wind 132kV | 07/01/2020 07:15:00 | 30 | 24750.0 | 2285.0 | 1481.72 | -803.28 | 3.25 | 0.00 | 16.000 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 07:30:00 | 31 | 24750.0 | 2182.5 | 1947.03 | -235.47 | 0.95 | 0.00 | 9.296 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 07:45:00 | 32 | 24750.0 | 2617.5 | 1974.06 | -643.44 | 2.6 | 0.00 | 9.794 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 08:00:00 | 33 | 24750.0 | 2742.5 | 2018.75 | -723.75 | 2.92 | 0.00 | 3.593 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 08:15:00 | 34 | 24750.0 | 2767.5 | 2328.91 | -438.59 | 1.77 | 0.00 | 3.401 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 08:30:00 | 35 | 24750.0 | 2810.0 | 2531.25 | -278.75 | 1.13 | 0.00 | 3.245 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 08:45:00 | 36 | 24750.0 | 2857.5 | 2343.6 | -513.9 | 2.08 | 0.00 | 0.000 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 09:00:00 | 37 | 24750.0 | 2315.0 | 2264.84 | -50.16 | 0.2 | 0.00 | 2.745 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 09:15:00 | 38 | 24750.0 | 2295.0 | 2392.34 | 97.34 | 0.39 | 0.00 | 4.715 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 09:30:00 | 39 | 24750.0 | 2332.5 | 1952.97 | -379.53 | 1.53 | 0.00 | 3.981 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 09:45:00 | 40 | 24750.0 | 2295.0 | 1466.88 | -828.12 | 3.35 | 0.00 | 3.730 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 10:00:00 | 41 | 24750.0 | 2175.0 | 1362.97 | -812.03 | 3.28 | 0.00 | 1.780 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 10:15:00 | 42 | 24750.0 | 2380.0 | 1332.34 | -1047.66 | 4.23 | 0.00 | 5.643 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 10:30:00 | 43 | 24750.0 | 2165.0 | 1027.66 | -1137.34 | 4.6 | 0.00 | 4.976 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 10:45:00 | 44 | 24750.0 | 2052.5 | 878.91 | -1173.59 | 4.74 | 0.00 | 4.415 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 11:00:00 | 45 | 24750.0 | 1920.0 | 590.94 | -1329.06 | 5.37 | 0.00 | 4.476 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 11:15:00 | 46 | 24750.0 | 2037.5 | 525.94 | -1511.56 | 6.11 | 0.00 | 4.826 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 11:30:00 | 47 | 24750.0 | 2295.0 | 226.88 | -2068.12 | 8.36 | 0.00 | 2.289 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 11:45:00 | 48 | 24750.0 | 2285.0 | 196.56 | -2088.44 | 8.44 | 0.00 | -0.549 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Wind 132kV | 07/01/2020 12:00:00 | 49 | 24750.0 | 1920.0 | 195.31 | -1724.69 | 6.97 | 0.00 | 4.727 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 12:15:00 | 50 | 24750.0 | 2037.5 | 152.34 | -1885.16 | 7.62 | 0.00 | 4.777 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 12:30:00 | 51 | 24750.0 | 2295.0 | 205.63 | -2089.37 | 8.44 | 0.00 | 4.798 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 12:45:00 | 52 | 24750.0 | 2285.0 | 89.37 | -2195.63 | 8.87 | 0.00 | -3.401 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 13:00:00 | 53 | 24750.0 | 2182.5 | 95.78 | -2086.72 | 8.43 | 0.00 | -2.431 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 13:15:00 | 54 | 24750.0 | 2617.5 | 176.09 | -2441.41 | 9.86 | 0.00 | -4.387 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 13:30:00 | 55 | 24750.0 | 2742.5 | 309.84 | -2432.66 | 9.83 | 0.00 | -3.401 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 13:45:00 | 56 | 24750.0 | 2767.5 | 356.25 | -2411.25 | 9.74 | 0.00 | -5.044 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 14:00:00 | 57 | 24750.0 | 2810.0 | 242.03 | -2567.97 | 10.38 | 0.00 | 4.215 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 14:15:00 | 58 | 24750.0 | 2797.5 | 323.91 | -2473.59 | 9.99 | 0.00 | 9.552 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 14:30:00 | 59 | 24750.0 | 2785.0 | 193.91 | -2591.09 | 10.47 | 0.00 | 6.358 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 14:45:00 | 60 | 24750.0 | 2742.5 | 389.69 | -2352.81 | 9.51 | 0.00 | 2.744 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 15:00:00 | 61 | 24750.0 | 2630.0 | 484.38 | -2145.62 | 8.67 | 0.00 | -3.073 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 15:15:00 | 62 | 24750.0 | 2572.5 | 342.03 | -2230.47 | 9.01 | 0.00 | -4.058 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 15:30:00 | 63 | 24750.0 | 2582.5 | 337.19 | -2245.31 | 9.07 | 0.00 | -4.831 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 15:45:00 | 64 | 24750.0 | 2577.5 | 262.5 | -2315.0 | 9.35 | 0.00 | -5.372 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 16:00:00 | 65 | 24750.0 | 2622.5 | 349.22 | -2273.28 | 9.18 | 0.00 | 2.196 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 16:15:00 | 66 | 24750.0 | 2755.0 | 297.97 | -2457.03 | 9.93 | 0.00 | -3.401 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 16:30:00 | 67 | 24750.0 | 2752.5 | 550.16 | -2202.34 | 8.9 | 0.00 | 4.738 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 16:45:00 | 68 | 24750.0 | 2750.0 | 211.72 | -2538.28 | 10.26 | 0.00 | 7.343 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 17:00:00 | 69 | 24750.0 | 2535.0 | 137.5 | -2397.5 | 9.69 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Wind 132kV | 07/01/2020 17:15:00 | 70 | 24750.0 | 2492.5 | 284.38 | -2208.12 | 8.92 | 0.00 | 2.744 | 367.312222 |
| Aundh Wind 132kV | 07/01/2020 17:30:00 | 71 | 24750.0 | 2185.0 | 285.78 | -1899.22 | 7.67 | 0.00 | 3.401 | 125.404428 |
| Aundh Wind 132kV | 07/01/2020 17:45:00 | 72 | 24750.0 | 2315.0 | 145.0 | -2170.0 | 8.77 | 0.00 | -2.745 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 18:00:00 | 73 | 24750.0 | 3492.5 | 80.94 | -3411.56 | 13.78 | 0.00 | -3.073 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 18:15:00 | 74 | 24750.0 | 3380.0 | 35.94 | -3344.06 | 13.51 | 0.00 | -5.372 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 18:30:00 | 75 | 24750.0 | 3322.5 | 43.91 | -3278.59 | 13.25 | 0.00 | 3.401 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 18:45:00 | 76 | 24750.0 | 3332.5 | 24.84 | -3307.66 | 13.36 | 0.00 | -3.401 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 19:00:00 | 77 | 24750.0 | 3327.5 | 0.62 | -3326.88 | 13.44 | 0.00 | -3.730 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 19:15:00 | 78 | 24750.0 | 3372.5 | 38.28 | -3334.22 | 13.47 | 0.00 | -4.715 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 19:30:00 | 79 | 24750.0 | 3492.5 | 49.22 | -3443.28 | 13.91 | 0.00 | -4.058 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 19:45:00 | 80 | 24750.0 | 3380.0 | 188.91 | -3191.09 | 12.89 | 0.00 | -2.210 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 20:00:00 | 81 | 24750.0 | 3322.5 | 336.56 | -2985.94 | 12.06 | 0.00 | -2.348 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 20:15:00 | 82 | 24750.0 | 3332.5 | 250.62 | -3081.88 | 12.45 | 0.00 | 4.387 | 4809.742173 |
| Aundh Wind 132kV | 07/01/2020 20:30:00 | 83 | 24750.0 | 3327.5 | 351.88 | -2975.62 | 12.02 | 0.00 | 3.816 | 6072.315002 |
| Aundh Wind 132kV | 07/01/2020 20:45:00 | 84 | 24750.0 | 3372.5 | 309.85 | -3062.65 | 12.37 | 0.00 | 3.401 | 1504.790259 |
| Aundh Wind 132kV | 07/01/2020 21:00:00 | 85 | 24750.0 | 3492.5 | 396.09 | -3096.41 | 12.51 | 0.00 | -4.058 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 21:15:00 | 86 | 24750.0 | 3380.0 | 328.59 | -3051.41 | 12.33 | 0.00 | 1.647 | 1617.354395 |
| Aundh Wind 132kV | 07/01/2020 21:30:00 | 87 | 24750.0 | 3322.5 | 222.66 | -3099.84 | 12.52 | 0.00 | 2.196 | 988.489408 |
| Aundh Wind 132kV | 07/01/2020 21:45:00 | 88 | 24750.0 | 3332.5 | 189.22 | -3143.28 | 12.7 | 0.00 | -2.196 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 22:00:00 | 89 | 24750.0 | 3327.5 | 212.81 | -3114.69 | 12.58 | 0.00 | -3.257 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 22:15:00 | 90 | 24750.0 | 3372.5 | 308.59 | -3063.91 | 12.38 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Wind 132kV | 07/01/2020 22:30:00 | 91 | 24750.0 | 3492.5 | 294.84 | -3197.66 | 12.92 | 0.00 | -1.098 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 22:45:00 | 92 | 24750.0 | 3380.0 | 375.63 | -3004.37 | 12.14 | 0.00 | -1.647 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 23:00:00 | 93 | 24750.0 | 3322.5 | 408.91 | -2913.59 | 11.77 | 0.00 | -3.401 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 23:15:00 | 94 | 24750.0 | 3332.5 | 304.06 | -3028.44 | 12.24 | 0.00 | 1.647 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 23:30:00 | 95 | 24750.0 | 3327.5 | 124.53 | -3202.97 | 12.94 | 0.00 | -2.196 | 0.000000 |
| Aundh Wind 132kV | 07/01/2020 23:45:00 | 96 | 24750.0 | 3372.5 | 50.62 | -3321.88 | 13.42 | 0.00 | -0.549 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 00:00:00 | 1 | 24750.0 | 3297.5 | 11.72 | -3285.78 | 13.28 | 0.00 | -2.220 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 00:15:00 | 2 | 24750.0 | 2910.0 | 87.03 | -2822.97 | 11.41 | 0.00 | -3.101 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 00:30:00 | 3 | 24750.0 | 2742.5 | 248.28 | -2494.22 | 10.08 | 0.00 | -3.101 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 00:45:00 | 4 | 24750.0 | 2630.0 | 194.53 | -2435.47 | 9.84 | 0.00 | -2.424 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 01:00:00 | 5 | 24750.0 | 2572.5 | 185.16 | -2387.34 | 9.65 | 0.00 | -2.170 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 01:15:00 | 6 | 24750.0 | 2582.5 | 194.53 | -2387.97 | 9.65 | 0.00 | -1.761 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 01:30:00 | 7 | 24750.0 | 2577.5 | 186.72 | -2390.78 | 9.66 | 0.00 | -1.665 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 01:45:00 | 8 | 24750.0 | 2622.5 | 82.81 | -2539.69 | 10.26 | 0.00 | -1.665 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 02:00:00 | 9 | 24750.0 | 2755.0 | 0.78 | -2754.22 | 11.13 | 0.00 | -1.110 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 02:15:00 | 10 | 24750.0 | 2752.5 | 0.0 | -2752.5 | 11.12 | 0.00 | -1.347 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 02:30:00 | 11 | 24750.0 | 2687.5 | 0.0 | -2687.5 | 10.86 | 0.00 | -3.101 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 02:45:00 | 12 | 24750.0 | 2535.0 | 0.0 | -2535.0 | 10.24 | 0.00 | -2.220 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 03:00:00 | 13 | 24750.0 | 2492.5 | 0.0 | -2492.5 | 10.07 | 0.00 | -3.428 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 03:15:00 | 14 | 24750.0 | 2185.0 | 0.0 | -2185.0 | 8.83 | 0.00 | -2.220 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 03:30:00 | 15 | 24750.0 | 2315.0 | 0.0 | -2315.0 | 9.35 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Wind 132kV | 08/01/2020 03:45:00 | 16 | 24750.0 | 2295.0 | 0.0 | -2295.0 | 9.27 | 0.00 | -2.775 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 04:00:00 | 17 | 24750.0 | 2332.5 | 0.78 | -2331.72 | 9.42 | 0.00 | -3.101 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 04:15:00 | 18 | 24750.0 | 2295.0 | 0.0 | -2295.0 | 9.27 | 0.00 | -1.665 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 04:30:00 | 19 | 24750.0 | 2175.0 | 0.0 | -2175.0 | 8.79 | 0.00 | -2.220 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 04:45:00 | 20 | 24750.0 | 2380.0 | 0.0 | -2380.0 | 9.62 | 0.00 | -2.775 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 05:00:00 | 21 | 24750.0 | 2165.0 | 0.0 | -2165.0 | 8.75 | 0.00 | -1.110 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 05:15:00 | 22 | 24750.0 | 2052.5 | 0.0 | -2052.5 | 8.29 | 0.00 | 2.775 | 98.905989 |
| Aundh Wind 132kV | 08/01/2020 05:30:00 | 23 | 24750.0 | 1920.0 | 0.0 | -1920.0 | 7.76 | 0.00 | -3.428 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 05:45:00 | 24 | 24750.0 | 2037.5 | 0.0 | -2037.5 | 8.23 | 0.00 | -2.775 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 06:00:00 | 25 | 24750.0 | 2295.0 | 17.19 | -2277.81 | 9.2 | 0.00 | -2.220 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 06:15:00 | 26 | 24750.0 | 2285.0 | 64.84 | -2220.16 | 8.97 | 0.00 | 2.220 | 454.566513 |
| Aundh Wind 132kV | 08/01/2020 06:30:00 | 27 | 24750.0 | 1920.0 | 35.16 | -1884.84 | 7.62 | 0.00 | 5.387 | 3392.640912 |
| Aundh Wind 132kV | 08/01/2020 06:45:00 | 28 | 24750.0 | 2037.5 | 3.12 | -2034.38 | 8.22 | 0.00 | -4.734 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 07:00:00 | 29 | 24750.0 | 2295.0 | 0.0 | -2295.0 | 9.27 | 0.00 | -4.407 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 07:15:00 | 30 | 24750.0 | 2285.0 | 0.0 | -2285.0 | 9.23 | 0.00 | 5.061 | 4027.503570 |
| Aundh Wind 132kV | 08/01/2020 07:30:00 | 31 | 24750.0 | 2182.5 | 0.0 | -2182.5 | 8.82 | 0.00 | 5.714 | 3680.786683 |
| Aundh Wind 132kV | 08/01/2020 07:45:00 | 32 | 24750.0 | 2617.5 | 0.78 | -2616.72 | 10.57 | 0.00 | 5.061 | 1734.975371 |
| Aundh Wind 132kV | 08/01/2020 08:00:00 | 33 | 24750.0 | 2742.5 | 25.78 | -2716.72 | 10.98 | 0.00 | 2.775 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 08:15:00 | 34 | 24750.0 | 2767.5 | 79.69 | -2687.81 | 10.86 | 0.00 | 2.775 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 08:30:00 | 35 | 24750.0 | 2810.0 | 21.09 | -2788.91 | 11.27 | 0.00 | 5.387 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 08:45:00 | 36 | 24750.0 | 2857.5 | 0.0 | -2857.5 | 11.55 | 0.00 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Wind 132kV | 08/01/2020 09:00:00 | 37 | 24750.0 | 2315.0 | 0.0 | -2315.0 | 9.35 | 0.00 | 7.673 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 09:15:00 | 38 | 24750.0 | 2295.0 | 0.0 | -2295.0 | 9.27 | 0.00 | 7.673 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 09:30:00 | 39 | 24750.0 | 2332.5 | 0.0 | -2332.5 | 9.42 | 0.00 | 3.101 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 09:45:00 | 40 | 24750.0 | 2295.0 | 0.0 | -2295.0 | 9.27 | 0.00 | -3.101 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 10:00:00 | 41 | 24750.0 | 2175.0 | 10.47 | -2164.53 | 8.75 | 0.00 | -3.101 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 10:15:00 | 42 | 24750.0 | 2380.0 | 54.38 | -2325.62 | 9.4 | 0.00 | -3.101 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 10:30:00 | 43 | 24750.0 | 2165.0 | 82.66 | -2082.34 | 8.41 | 0.00 | -1.665 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 10:45:00 | 44 | 24750.0 | 2052.5 | 57.03 | -1995.47 | 8.06 | 0.00 | 0.000 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 11:00:00 | 45 | 24750.0 | 1920.0 | 88.91 | -1831.09 | 7.4 | 0.00 | -1.486 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 11:15:00 | 46 | 24750.0 | 2037.5 | 107.5 | -1930.0 | 7.8 | 0.00 | -1.305 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 11:30:00 | 47 | 24750.0 | 2295.0 | 234.53 | -2060.47 | 8.33 | 0.00 | -2.425 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 11:45:00 | 48 | 24750.0 | 2285.0 | 358.12 | -1926.88 | 7.79 | 0.00 | -2.775 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 12:00:00 | 49 | 24750.0 | 1920.0 | 422.81 | -1497.19 | 6.05 | 0.00 | -2.083 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 12:15:00 | 50 | 24750.0 | 2037.5 | 431.41 | -1606.09 | 6.49 | 0.00 | -3.242 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 12:30:00 | 51 | 24750.0 | 2295.0 | 537.97 | -1757.03 | 7.1 | 0.00 | -1.330 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 12:45:00 | 52 | 24750.0 | 2285.0 | 570.78 | -1714.22 | 6.93 | 0.00 | -0.830 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 13:00:00 | 53 | 24750.0 | 2182.5 | 328.28 | -1854.22 | 7.49 | 0.00 | 2.775 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 13:15:00 | 54 | 24750.0 | 2617.5 | 919.69 | -1697.81 | 6.86 | 0.00 | 0.000 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 13:30:00 | 55 | 24750.0 | 2742.5 | 1213.44 | -1529.06 | 6.18 | 0.00 | -1.012 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 13:45:00 | 56 | 24750.0 | 2767.5 | 1567.5 | -1200.0 | 4.85 | 0.00 | -1.087 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 14:00:00 | 57 | 24750.0 | 2810.0 | 2058.91 | -751.09 | 3.03 | 0.00 | -3.101 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Wind 132kV | 08/01/2020 14:15:00 | 58 | 24750.0 | 2797.5 | 1613.91 | -1183.59 | 4.78 | 0.00 | -4.081 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 14:30:00 | 59 | 24750.0 | 2785.0 | 1719.53 | -1065.47 | 4.3 | 0.00 | -2.996 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 14:45:00 | 60 | 24750.0 | 2742.5 | 2020.0 | -722.5 | 2.92 | 0.00 | -3.101 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 15:00:00 | 61 | 24750.0 | 2630.0 | 2143.91 | -486.09 | 1.96 | 0.00 | -1.879 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 15:15:00 | 62 | 24750.0 | 2572.5 | 2313.12 | -259.38 | 1.05 | 0.00 | -4.081 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 15:30:00 | 63 | 24750.0 | 2582.5 | 2717.5 | 135.0 | 0.55 | 0.00 | 4.938 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 15:45:00 | 64 | 24750.0 | 2577.5 | 2911.56 | 334.06 | 1.35 | 0.00 | 4.719 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 16:00:00 | 65 | 24750.0 | 2622.5 | 2797.19 | 174.69 | 0.71 | 0.00 | 0.555 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 16:15:00 | 66 | 24750.0 | 2755.0 | 2580.78 | -174.22 | 0.7 | 0.00 | -4.081 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 16:30:00 | 67 | 24750.0 | 2752.5 | 2914.22 | 161.72 | 0.65 | 0.00 | -3.754 | -28.182876 |
| Aundh Wind 132kV | 08/01/2020 16:45:00 | 68 | 24750.0 | 2750.0 | 3091.56 | 341.56 | 1.38 | 0.00 | -8.000 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 17:00:00 | 69 | 24750.0 | 2535.0 | 3787.35 | 1252.35 | 5.06 | 0.00 | 0.000 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 17:15:00 | 70 | 24750.0 | 2492.5 | 4060.16 | 1567.66 | 6.33 | 0.00 | 4.081 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 17:30:00 | 71 | 24750.0 | 2185.0 | 4696.1 | 2511.1 | 10.15 | 0.00 | -5.387 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 17:45:00 | 72 | 24750.0 | 2315.0 | 4423.91 | 2108.91 | 8.52 | 0.00 | -3.101 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 18:00:00 | 73 | 24750.0 | 2295.0 | 3648.91 | 1353.91 | 5.47 | 0.00 | -2.775 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 18:15:00 | 74 | 24750.0 | 2332.5 | 3397.5 | 1065.0 | 4.3 | 0.00 | -3.101 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 18:30:00 | 75 | 24750.0 | 2295.0 | 2482.34 | 187.34 | 0.76 | 0.00 | -2.220 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 18:45:00 | 76 | 24750.0 | 2175.0 | 2491.25 | 316.25 | 1.28 | 0.00 | 2.220 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 19:00:00 | 77 | 24750.0 | 2380.0 | 2526.56 | 146.56 | 0.59 | 0.00 | 1.110 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 19:15:00 | 78 | 24750.0 | 2165.0 | 2703.75 | 538.75 | 2.18 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Wind 132kV | 08/01/2020 19:30:00 | 79 | 24750.0 | 3492.5 | 3531.4 | 38.9 | 0.16 | 0.00 | -2.220 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 19:45:00 | 80 | 24750.0 | 3380.0 | 3312.81 | -67.19 | 0.27 | 0.00 | -0.555 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 20:00:00 | 81 | 24750.0 | 3322.5 | 3070.78 | -251.72 | 1.02 | 0.00 | 2.775 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 20:15:00 | 82 | 24750.0 | 3332.5 | 2768.91 | -563.59 | 2.28 | 0.00 | 3.101 | 942.368348 |
| Aundh Wind 132kV | 08/01/2020 20:30:00 | 83 | 24750.0 | 3327.5 | 2674.53 | -652.97 | 2.64 | 0.00 | 4.408 | 1479.113307 |
| Aundh Wind 132kV | 08/01/2020 20:45:00 | 84 | 24750.0 | 3372.5 | 2751.41 | -621.09 | 2.51 | 0.00 | 3.101 | 406.441228 |
| Aundh Wind 132kV | 08/01/2020 21:00:00 | 85 | 24750.0 | 3492.5 | 2623.28 | -869.22 | 3.51 | 0.00 | 3.101 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 21:15:00 | 86 | 24750.0 | 3380.0 | 2267.5 | -1112.5 | 4.49 | 0.00 | -0.555 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 21:30:00 | 87 | 24750.0 | 3322.5 | 2218.44 | -1104.06 | 4.46 | 0.00 | -1.110 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 21:45:00 | 88 | 24750.0 | 3332.5 | 2265.94 | -1066.56 | 4.31 | 0.00 | -1.110 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 22:00:00 | 89 | 24750.0 | 3327.5 | 1959.84 | -1367.66 | 5.53 | 0.00 | -2.489 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 22:15:00 | 90 | 24750.0 | 3372.5 | 1680.78 | -1691.72 | 6.84 | 0.00 | -2.775 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 22:30:00 | 91 | 24750.0 | 3492.5 | 1505.47 | -1987.03 | 8.03 | 0.00 | -2.223 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 22:45:00 | 92 | 24750.0 | 3380.0 | 1313.12 | -2066.88 | 8.35 | 0.00 | 1.110 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 23:00:00 | 93 | 24750.0 | 3322.5 | 1137.97 | -2184.53 | 8.83 | 0.00 | 1.110 | 233.222607 |
| Aundh Wind 132kV | 08/01/2020 23:15:00 | 94 | 24750.0 | 3332.5 | 1206.41 | -2126.09 | 8.59 | 0.00 | 1.110 | 0.000000 |
| Aundh Wind 132kV | 08/01/2020 23:30:00 | 95 | 24750.0 | 3327.5 | 1271.09 | -2056.41 | 8.31 | 0.00 | 2.775 | 18.693836 |
| Aundh Wind 132kV | 08/01/2020 23:45:00 | 96 | 24750.0 | 3372.5 | 985.16 | -2387.34 | 9.65 | 0.00 | 0.000 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 00:00:00 | 1 | 24750.0 | 3297.5 | 950.78 | -2346.72 | 9.48 | 0.00 | -0.576 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 00:15:00 | 2 | 24750.0 | 2660.0 | 1025.0 | -1635.0 | 6.61 | 0.00 | -1.727 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 00:30:00 | 3 | 24750.0 | 2492.5 | 821.09 | -1671.41 | 6.75 | 0.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Wind 132kV | 09/01/2020 00:45:00 | 4 | 24750.0 | 2380.0 | 596.56 | -1783.44 | 7.21 | 0.00 | -2.879 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 01:00:00 | 5 | 24750.0 | 2322.5 | 477.66 | -1844.84 | 7.45 | 0.00 | -3.519 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 01:15:00 | 6 | 24750.0 | 2332.5 | 386.72 | -1945.78 | 7.86 | 0.00 | -3.519 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 01:30:00 | 7 | 24750.0 | 2327.5 | 700.31 | -1627.19 | 6.57 | 0.00 | -3.199 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 01:45:00 | 8 | 24750.0 | 2372.5 | 610.31 | -1762.19 | 7.12 | 0.00 | 3.519 | 428.190183 |
| Aundh Wind 132kV | 09/01/2020 02:00:00 | 9 | 24750.0 | 2505.0 | 356.41 | -2148.59 | 8.68 | 0.00 | 3.519 | 2365.399749 |
| Aundh Wind 132kV | 09/01/2020 02:15:00 | 10 | 24750.0 | 2502.5 | 186.56 | -2315.94 | 9.36 | 0.00 | 2.879 | 1118.222227 |
| Aundh Wind 132kV | 09/01/2020 02:30:00 | 11 | 24750.0 | 2437.5 | 91.09 | -2346.41 | 9.48 | 0.00 | 3.199 | 1630.020920 |
| Aundh Wind 132kV | 09/01/2020 02:45:00 | 12 | 24750.0 | 2285.0 | 87.19 | -2197.81 | 8.88 | 0.00 | 1.152 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 03:00:00 | 13 | 24750.0 | 2617.5 | 222.97 | -2394.53 | 9.67 | 0.00 | -2.879 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 03:15:00 | 14 | 24750.0 | 2742.5 | 398.91 | -2343.59 | 9.47 | 0.00 | -3.839 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 03:30:00 | 15 | 24750.0 | 2767.5 | 295.0 | -2472.5 | 9.99 | 0.00 | 3.199 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 03:45:00 | 16 | 24750.0 | 2810.0 | 128.44 | -2681.56 | 10.83 | 0.00 | 0.000 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 04:00:00 | 17 | 24750.0 | 2797.5 | 46.88 | -2750.62 | 11.11 | 0.00 | 1.727 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 04:15:00 | 18 | 24750.0 | 2785.0 | 65.94 | -2719.06 | 10.99 | 0.00 | 1.727 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 04:30:00 | 19 | 24750.0 | 2742.5 | 59.53 | -2682.97 | 10.84 | 0.00 | 1.727 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 04:45:00 | 20 | 24750.0 | 2630.0 | 32.03 | -2597.97 | 10.5 | 0.00 | 2.879 | 2238.956656 |
| Aundh Wind 132kV | 09/01/2020 05:00:00 | 21 | 24750.0 | 2572.5 | 7.03 | -2565.47 | 10.37 | 0.00 | 3.839 | 1280.628028 |
| Aundh Wind 132kV | 09/01/2020 05:15:00 | 22 | 24750.0 | 2582.5 | 0.78 | -2581.72 | 10.43 | 0.00 | 5.119 | 3644.104995 |
| Aundh Wind 132kV | 09/01/2020 05:30:00 | 23 | 24750.0 | 2577.5 | 0.0 | -2577.5 | 10.41 | 0.00 | 4.064 | 6630.371025 |
| Aundh Wind 132kV | 09/01/2020 05:45:00 | 24 | 24750.0 | 2622.5 | 0.0 | -2622.5 | 10.6 | 0.00 | 1.152 | 18.501323 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Wind 132kV | 09/01/2020 06:00:00 | 25 | 24750.0 | 2755.0 | 0.0 | -2755.0 | 11.13 | 0.00 | -2.303 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 06:15:00 | 26 | 24750.0 | 2752.5 | 0.0 | -2752.5 | 11.12 | 0.00 | 2.303 | 1830.822807 |
| Aundh Wind 132kV | 09/01/2020 06:30:00 | 27 | 24750.0 | 2617.5 | 0.0 | -2617.5 | 10.58 | 0.00 | -3.839 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 06:45:00 | 28 | 24750.0 | 2742.5 | 0.0 | -2742.5 | 11.08 | 0.00 | -2.879 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 07:00:00 | 29 | 24750.0 | 2767.5 | 0.31 | -2767.19 | 11.18 | 0.00 | -2.879 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 07:15:00 | 30 | 24750.0 | 2810.0 | 3.12 | -2806.88 | 11.34 | 0.00 | 6.400 | 1396.441726 |
| Aundh Wind 132kV | 09/01/2020 07:30:00 | 31 | 24750.0 | 2797.5 | 26.88 | -2770.62 | 11.19 | 0.00 | 1.172 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 07:45:00 | 32 | 24750.0 | 2785.0 | 70.47 | -2714.53 | 10.97 | 0.00 | 0.576 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 08:00:00 | 33 | 24750.0 | 2742.5 | 256.41 | -2486.09 | 10.04 | 0.00 | -0.576 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 08:15:00 | 34 | 24750.0 | 2630.0 | 507.03 | -2122.97 | 8.58 | 0.00 | -1.152 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 08:30:00 | 35 | 24750.0 | 2572.5 | 677.34 | -1895.16 | 7.66 | 0.00 | 0.576 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 08:45:00 | 36 | 24750.0 | 2582.5 | 796.56 | -1785.94 | 7.22 | 0.00 | 0.000 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 09:00:00 | 37 | 24750.0 | 2577.5 | 612.5 | -1965.0 | 7.94 | 0.00 | 1.152 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 09:15:00 | 38 | 24750.0 | 2622.5 | 463.91 | -2158.59 | 8.72 | 0.00 | 1.727 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 09:30:00 | 39 | 24750.0 | 2755.0 | 400.47 | -2354.53 | 9.51 | 0.00 | -3.839 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 09:45:00 | 40 | 24750.0 | 2752.5 | 310.62 | -2441.88 | 9.87 | 0.00 | -1.152 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 10:00:00 | 41 | 24750.0 | 2617.5 | 249.06 | -2368.44 | 9.57 | 0.00 | 0.000 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 10:15:00 | 42 | 24750.0 | 2742.5 | 200.47 | -2542.03 | 10.27 | 0.00 | 1.727 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 10:30:00 | 43 | 24750.0 | 2767.5 | 225.47 | -2542.03 | 10.27 | 0.00 | 2.303 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 10:45:00 | 44 | 24750.0 | 2810.0 | 170.31 | -2639.69 | 10.67 | 0.00 | -1.144 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 11:00:00 | 45 | 24750.0 | 2797.5 | 129.38 | -2668.12 | 10.78 | 0.00 | -4.479 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Wind 132kV | 09/01/2020 11:15:00 | 46 | 24750.0 | 2785.0 | 38.12 | -2746.88 | 11.1 | 0.00 | -3.519 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 11:30:00 | 47 | 24750.0 | 2742.5 | 1.25 | -2741.25 | 11.08 | 0.00 | -2.303 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 11:45:00 | 48 | 24750.0 | 2630.0 | 0.0 | -2630.0 | 10.63 | 0.00 | -0.576 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 12:00:00 | 49 | 24750.0 | 2572.5 | 0.0 | -2572.5 | 10.39 | 0.00 | 0.000 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 12:15:00 | 50 | 24750.0 | 2582.5 | 0.0 | -2582.5 | 10.43 | 0.00 | 3.839 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 12:30:00 | 51 | 24750.0 | 2577.5 | 0.0 | -2577.5 | 10.41 | 0.00 | 3.199 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 12:45:00 | 52 | 24750.0 | 2622.5 | 0.0 | -2622.5 | 10.6 | 0.00 | 3.199 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 13:00:00 | 53 | 24750.0 | 2755.0 | 0.0 | -2755.0 | 11.13 | 0.00 | -1.152 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 13:15:00 | 54 | 24750.0 | 2752.5 | 0.0 | -2752.5 | 11.12 | 0.00 | -1.152 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 13:30:00 | 55 | 24750.0 | 2617.5 | 0.62 | -2616.88 | 10.57 | 0.00 | 1.727 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 13:45:00 | 56 | 24750.0 | 2742.5 | 0.31 | -2742.19 | 11.08 | 0.00 | 3.199 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 14:00:00 | 57 | 24750.0 | 2767.5 | 0.0 | -2767.5 | 11.18 | 0.00 | 4.345 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 14:15:00 | 58 | 24750.0 | 2810.0 | 0.0 | -2810.0 | 11.35 | 0.00 | 3.941 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 14:30:00 | 59 | 24750.0 | 2797.5 | 7.81 | -2789.69 | 11.27 | 0.00 | 1.152 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 14:45:00 | 60 | 24750.0 | 2785.0 | 7.03 | -2777.97 | 11.22 | 0.00 | -0.576 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 15:00:00 | 61 | 24750.0 | 2742.5 | 21.25 | -2721.25 | 10.99 | 0.00 | -1.006 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 15:15:00 | 62 | 24750.0 | 2630.0 | 111.41 | -2518.59 | 10.18 | 0.00 | 3.199 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 15:30:00 | 63 | 24750.0 | 2572.5 | 98.12 | -2474.38 | 10.0 | 0.00 | 2.879 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 15:45:00 | 64 | 24750.0 | 2582.5 | 34.22 | -2548.28 | 10.3 | 0.00 | 3.839 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 16:00:00 | 65 | 24750.0 | 2577.5 | 29.53 | -2547.97 | 10.29 | 0.00 | 1.727 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 16:15:00 | 66 | 24750.0 | 2622.5 | 183.28 | -2439.22 | 9.86 | 0.00 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Wind 132kV | 09/01/2020 16:30:00 | 67 | 24750.0 | 2755.0 | 162.03 | -2592.97 | 10.48 | 0.00 | -4.159 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 16:45:00 | 68 | 24750.0 | 2752.5 | 26.25 | -2726.25 | 11.02 | 0.00 | 3.839 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 17:00:00 | 69 | 24750.0 | 2617.5 | 6.25 | -2611.25 | 10.55 | 0.00 | 1.727 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 17:15:00 | 70 | 24750.0 | 2742.5 | 0.0 | -2742.5 | 11.08 | 0.00 | 3.839 | 942.640505 |
| Aundh Wind 132kV | 09/01/2020 17:30:00 | 71 | 24750.0 | 2767.5 | 0.62 | -2766.88 | 11.18 | 0.00 | -2.879 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 17:45:00 | 72 | 24750.0 | 2810.0 | 1.56 | -2808.44 | 11.35 | 0.00 | -4.146 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 18:00:00 | 73 | 24750.0 | 2797.5 | 0.0 | -2797.5 | 11.3 | 0.00 | -3.349 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 18:15:00 | 74 | 24750.0 | 2785.0 | 0.0 | -2785.0 | 11.25 | 0.00 | -4.563 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 18:30:00 | 75 | 24750.0 | 2742.5 | 0.0 | -2742.5 | 11.08 | 0.00 | -3.839 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 18:45:00 | 76 | 24750.0 | 2630.0 | 0.0 | -2630.0 | 10.63 | 0.00 | -2.879 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 19:00:00 | 77 | 24750.0 | 2572.5 | 0.0 | -2572.5 | 10.39 | 0.00 | -3.199 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 19:15:00 | 78 | 24750.0 | 2582.5 | 21.09 | -2561.41 | 10.35 | 0.00 | -1.727 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 19:30:00 | 79 | 24750.0 | 2577.5 | 416.41 | -2161.09 | 8.73 | 0.00 | -1.442 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 19:45:00 | 80 | 24750.0 | 2622.5 | 812.03 | -1810.47 | 7.32 | 0.00 | -0.286 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 20:00:00 | 81 | 24750.0 | 2755.0 | 813.28 | -1941.72 | 7.85 | 0.00 | -1.070 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 20:15:00 | 82 | 24750.0 | 2752.5 | 939.37 | -1813.13 | 7.33 | 0.00 | -2.236 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 20:30:00 | 83 | 24750.0 | 3077.5 | 1035.16 | -2042.34 | 8.25 | 0.00 | -4.799 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 20:45:00 | 84 | 24750.0 | 3122.5 | 1195.31 | -1927.19 | 7.79 | 0.00 | -1.727 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 21:00:00 | 85 | 24750.0 | 3242.5 | 1335.62 | -1906.88 | 7.7 | 0.00 | -1.727 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 21:15:00 | 86 | 24750.0 | 3130.0 | 1374.85 | -1755.15 | 7.09 | 0.00 | 1.152 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 21:30:00 | 87 | 24750.0 | 3072.5 | 1540.16 | -1532.34 | 6.19 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Wind 132kV | 09/01/2020 21:45:00 | 88 | 24750.0 | 3082.5 | 1660.47 | -1422.03 | 5.75 | 0.00 | -2.303 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 22:00:00 | 89 | 24750.0 | 3077.5 | 1552.97 | -1524.53 | 6.16 | 0.00 | -2.795 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 22:15:00 | 90 | 24750.0 | 3122.5 | 1522.03 | -1600.47 | 6.47 | 0.00 | -3.674 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 22:30:00 | 91 | 24750.0 | 3242.5 | 1615.78 | -1626.72 | 6.57 | 0.00 | -2.303 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 22:45:00 | 92 | 24750.0 | 3130.0 | 1640.16 | -1489.84 | 6.02 | 0.00 | -1.152 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 23:00:00 | 93 | 24750.0 | 3072.5 | 1674.22 | -1398.28 | 5.65 | 0.00 | 0.000 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 23:15:00 | 94 | 24750.0 | 3082.5 | 1681.09 | -1401.41 | 5.66 | 0.00 | -0.576 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 23:30:00 | 95 | 24750.0 | 3077.5 | 1695.62 | -1381.88 | 5.58 | 0.00 | -0.576 | 0.000000 |
| Aundh Wind 132kV | 09/01/2020 23:45:00 | 96 | 24750.0 | 3122.5 | 1894.06 | -1228.44 | 4.96 | 0.00 | -0.987 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 00:00:00 | 1 | 24750.0 | 3457.5 | 2037.19 | -1420.31 | 5.74 | 0.00 | -0.680 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 00:15:00 | 2 | 24750.0 | 3452.5 | 2106.88 | -1345.62 | 5.44 | 0.00 | -3.326 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 00:30:00 | 3 | 24750.0 | 3497.5 | 2662.34 | -835.16 | 3.37 | 0.00 | -2.992 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 00:45:00 | 4 | 24750.0 | 3617.5 | 4651.41 | 1033.91 | 4.18 | 0.00 | -0.532 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 01:00:00 | 5 | 24750.0 | 3505.0 | 5527.03 | 2022.03 | 8.17 | 0.00 | -0.713 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 01:15:00 | 6 | 24750.0 | 3447.5 | 5182.5 | 1735.0 | 7.01 | 0.00 | -0.548 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 01:30:00 | 7 | 24750.0 | 3457.5 | 5300.78 | 1843.28 | 7.45 | 0.00 | -2.658 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 01:45:00 | 8 | 24750.0 | 3452.5 | 6022.5 | 2570.0 | 10.38 | 0.00 | 2.127 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 02:00:00 | 9 | 24750.0 | 3497.5 | 6240.62 | 2743.12 | 11.08 | 0.00 | 5.342 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 02:15:00 | 10 | 24750.0 | 3617.5 | 6163.59 | 2546.09 | 10.29 | 0.00 | 1.595 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 02:30:00 | 11 | 24750.0 | 3505.0 | 5916.25 | 2411.25 | 9.74 | 0.00 | 3.326 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 02:45:00 | 12 | 24750.0 | 3447.5 | 6011.41 | 2563.91 | 10.36 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Wind 132kV | 10/01/2020 03:00:00 | 13 | 24750.0 | 3457.5 | 6052.34 | 2594.84 | 10.48 | 0.00 | 2.658 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 03:15:00 | 14 | 24750.0 | 3452.5 | 6453.44 | 3000.94 | 12.13 | 0.00 | 2.127 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 03:30:00 | 15 | 24750.0 | 3497.5 | 6521.72 | 3024.22 | 12.22 | 0.00 | 2.127 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 03:45:00 | 16 | 24750.0 | 3617.5 | 6895.16 | 3277.66 | 13.24 | 0.00 | -1.063 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 04:00:00 | 17 | 24750.0 | 3505.0 | 7409.84 | 3904.84 | 15.78 | 96.17 | 1.595 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 04:15:00 | 18 | 24750.0 | 3447.5 | 7101.72 | 3654.22 | 14.76 | 0.00 | 3.326 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 04:30:00 | 19 | 24750.0 | 3457.5 | 7152.34 | 3694.84 | 14.93 | 0.00 | 3.326 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 04:45:00 | 20 | 24750.0 | 3077.5 | 6942.97 | 3865.47 | 15.62 | 76.49 | 2.127 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 05:00:00 | 21 | 24750.0 | 3122.5 | 6578.59 | 3456.09 | 13.96 | 0.00 | 2.992 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 05:15:00 | 22 | 24750.0 | 3242.5 | 6435.31 | 3192.81 | 12.9 | 0.00 | 1.063 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 05:30:00 | 23 | 24750.0 | 3130.0 | 6269.53 | 3139.53 | 12.68 | 0.00 | -2.658 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 05:45:00 | 24 | 24750.0 | 3072.5 | 6730.94 | 3658.44 | 14.78 | 0.00 | 2.127 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 06:00:00 | 25 | 24750.0 | 2755.0 | 7056.09 | 4301.09 | 17.38 | 294.30 | -2.127 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 06:15:00 | 26 | 24750.0 | 2752.5 | 7172.34 | 4419.84 | 17.86 | 353.67 | 2.658 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 06:30:00 | 27 | 24750.0 | 2617.5 | 7145.31 | 4527.81 | 18.29 | 407.66 | -2.992 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 06:45:00 | 28 | 24750.0 | 2742.5 | 7329.22 | 4586.72 | 18.53 | 437.11 | -3.077 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 07:00:00 | 29 | 24750.0 | 2767.5 | 7367.97 | 4600.47 | 18.59 | 443.99 | -0.687 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 07:15:00 | 30 | 24750.0 | 2810.0 | 8315.63 | 5505.63 | 22.24 | 896.57 | -2.658 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 07:30:00 | 31 | 24750.0 | 2797.5 | 8492.5 | 5695.0 | 23.01 | 991.25 | -1.063 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 07:45:00 | 32 | 24750.0 | 2785.0 | 8050.94 | 5265.94 | 21.28 | 776.72 | -2.658 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 08:00:00 | 33 | 24750.0 | 2742.5 | 8033.91 | 5291.41 | 21.38 | 789.46 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Wind 132kV | 10/01/2020 08:15:00 | 34 | 24750.0 | 2630.0 | 7502.03 | 4872.03 | 19.68 | 579.77 | -4.661 | -640.308916 |
| Aundh Wind 132kV | 10/01/2020 08:30:00 | 35 | 24750.0 | 2572.5 | 7311.88 | 4739.38 | 19.15 | 513.44 | 5.663 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 08:45:00 | 36 | 24750.0 | 2582.5 | 7157.81 | 4575.31 | 18.49 | 431.41 | 4.328 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 09:00:00 | 37 | 24750.0 | 2577.5 | 6852.66 | 4275.16 | 17.27 | 281.33 | -4.995 | -779.654955 |
| Aundh Wind 132kV | 10/01/2020 09:15:00 | 38 | 24750.0 | 2622.5 | 6710.78 | 4088.28 | 16.52 | 187.89 | -4.327 | -534.445468 |
| Aundh Wind 132kV | 10/01/2020 09:30:00 | 39 | 24750.0 | 2755.0 | 6704.69 | 3949.69 | 15.96 | 118.60 | -2.127 | -775.516497 |
| Aundh Wind 132kV | 10/01/2020 09:45:00 | 40 | 24750.0 | 2752.5 | 6779.06 | 4026.56 | 16.27 | 157.03 | -1.152 | -754.882916 |
| Aundh Wind 132kV | 10/01/2020 10:00:00 | 41 | 24750.0 | 2617.5 | 6416.87 | 3799.37 | 15.35 | 43.44 | 0.000 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 10:15:00 | 42 | 24750.0 | 2742.5 | 5573.75 | 2831.25 | 11.44 | 0.00 | -0.532 | -87.160704 |
| Aundh Wind 132kV | 10/01/2020 10:30:00 | 43 | 24750.0 | 2767.5 | 5166.87 | 2399.37 | 9.69 | 0.00 | -1.063 | -143.328267 |
| Aundh Wind 132kV | 10/01/2020 10:45:00 | 44 | 24750.0 | 2810.0 | 4536.72 | 1726.72 | 6.98 | 0.00 | 0.000 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 11:00:00 | 45 | 24750.0 | 2797.5 | 4282.03 | 1484.53 | 6.0 | 0.00 | 2.658 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 11:15:00 | 46 | 24750.0 | 2785.0 | 3631.25 | 846.25 | 3.42 | 0.00 | 0.000 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 11:30:00 | 47 | 24750.0 | 2742.5 | 3228.28 | 485.78 | 1.96 | 0.00 | -1.595 | -13.228958 |
| Aundh Wind 132kV | 10/01/2020 11:45:00 | 48 | 24750.0 | 2630.0 | 2894.38 | 264.38 | 1.07 | 0.00 | 2.992 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 12:00:00 | 49 | 24750.0 | 2572.5 | 2642.19 | 69.69 | 0.28 | 0.00 | 0.000 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 12:15:00 | 50 | 24750.0 | 2582.5 | 2479.06 | -103.44 | 0.42 | 0.00 | 2.127 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 12:30:00 | 51 | 24750.0 | 2577.5 | 2191.41 | -386.09 | 1.56 | 0.00 | 1.595 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 12:45:00 | 52 | 24750.0 | 2622.5 | 1732.81 | -889.69 | 3.59 | 0.00 | -1.063 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 13:00:00 | 53 | 24750.0 | 2755.0 | 1643.59 | -1111.41 | 4.49 | 0.00 | 2.658 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 13:15:00 | 54 | 24750.0 | 2752.5 | 1588.9 | -1163.6 | 4.7 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Wind 132kV | 10/01/2020 13:30:00 | 55 | 24750.0 | 2617.5 | 1626.25 | -991.25 | 4.01 | 0.00 | 2.127 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 13:45:00 | 56 | 24750.0 | 2742.5 | 1932.19 | -810.31 | 3.27 | 0.00 | -3.326 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 14:00:00 | 57 | 24750.0 | 2767.5 | 2369.06 | -398.44 | 1.61 | 0.00 | -2.992 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 14:15:00 | 58 | 24750.0 | 2810.0 | 2474.06 | -335.94 | 1.36 | 0.00 | 3.660 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 14:30:00 | 59 | 24750.0 | 2797.5 | 2407.97 | -389.53 | 1.57 | 0.00 | -2.127 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 14:45:00 | 60 | 24750.0 | 2785.0 | 2395.94 | -389.06 | 1.57 | 0.00 | -2.127 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 15:00:00 | 61 | 24750.0 | 2742.5 | 2732.5 | -10.0 | 0.04 | 0.00 | 0.000 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 15:15:00 | 62 | 24750.0 | 2630.0 | 2623.12 | -6.88 | 0.03 | 0.00 | -2.992 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 15:30:00 | 63 | 24750.0 | 2572.5 | 2370.47 | -202.03 | 0.82 | 0.00 | -4.995 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 15:45:00 | 64 | 24750.0 | 2582.5 | 1690.31 | -892.19 | 3.6 | 0.00 | -4.327 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 16:00:00 | 65 | 24750.0 | 2577.5 | 1202.97 | -1374.53 | 5.55 | 0.00 | -4.995 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 16:15:00 | 66 | 24750.0 | 2622.5 | 1032.5 | -1590.0 | 6.42 | 0.00 | -8.000 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 16:30:00 | 67 | 24750.0 | 2755.0 | 953.12 | -1801.88 | 7.28 | 0.00 | -8.000 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 16:45:00 | 68 | 24750.0 | 2752.5 | 852.03 | -1900.47 | 7.68 | 0.00 | 4.327 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 17:00:00 | 69 | 24750.0 | 2617.5 | 826.88 | -1790.62 | 7.23 | 0.00 | 0.532 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 17:15:00 | 70 | 24750.0 | 2742.5 | 718.44 | -2024.06 | 8.18 | 0.00 | -1.595 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 17:30:00 | 71 | 24750.0 | 2767.5 | 743.91 | -2023.59 | 8.18 | 0.00 | -2.658 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 17:45:00 | 72 | 24750.0 | 2810.0 | 755.16 | -2054.84 | 8.3 | 0.00 | -2.127 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 18:00:00 | 73 | 24750.0 | 2797.5 | 782.66 | -2014.84 | 8.14 | 0.00 | -1.461 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 18:15:00 | 74 | 24750.0 | 2785.0 | 939.69 | -1845.31 | 7.46 | 0.00 | 3.326 | 648.471812 |
| Aundh Wind 132kV | 10/01/2020 18:30:00 | 75 | 24750.0 | 2742.5 | 1192.66 | -1549.84 | 6.26 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Wind 132kV | 10/01/2020 18:45:00 | 76 | 24750.0 | 2630.0 | 1380.62 | -1249.38 | 5.05 | 0.00 | 3.994 | 208.551998 |
| Aundh Wind 132kV | 10/01/2020 19:00:00 | 77 | 24750.0 | 2572.5 | 1231.41 | -1341.09 | 5.42 | 0.00 | -2.127 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 19:15:00 | 78 | 24750.0 | 2582.5 | 1250.0 | -1332.5 | 5.38 | 0.00 | -2.658 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 19:30:00 | 79 | 24750.0 | 2577.5 | 1062.66 | -1514.84 | 6.12 | 0.00 | -3.660 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 19:45:00 | 80 | 24750.0 | 2622.5 | 1021.72 | -1600.78 | 6.47 | 0.00 | -3.326 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 20:00:00 | 81 | 24750.0 | 2755.0 | 1056.56 | -1698.44 | 6.86 | 0.00 | 3.660 | 414.026772 |
| Aundh Wind 132kV | 10/01/2020 20:15:00 | 82 | 24750.0 | 2752.5 | 1167.35 | -1585.15 | 6.4 | 0.00 | 3.660 | 1659.416661 |
| Aundh Wind 132kV | 10/01/2020 20:30:00 | 83 | 24750.0 | 3077.5 | 1192.81 | -1884.69 | 7.61 | 0.00 | 4.995 | 2800.952856 |
| Aundh Wind 132kV | 10/01/2020 20:45:00 | 84 | 24750.0 | 3122.5 | 1121.09 | -2001.41 | 8.09 | 0.00 | 2.992 | 2103.340889 |
| Aundh Wind 132kV | 10/01/2020 21:00:00 | 85 | 24750.0 | 3242.5 | 905.62 | -2336.88 | 9.44 | 0.00 | -3.660 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 21:15:00 | 86 | 24750.0 | 3130.0 | 896.56 | -2233.44 | 9.02 | 0.00 | -1.595 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 21:30:00 | 87 | 24750.0 | 3072.5 | 922.97 | -2149.53 | 8.68 | 0.00 | -1.063 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 21:45:00 | 88 | 24750.0 | 3082.5 | 904.38 | -2178.12 | 8.8 | 0.00 | -0.532 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 22:00:00 | 89 | 24750.0 | 3077.5 | 899.69 | -2177.81 | 8.8 | 0.00 | -1.595 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 22:15:00 | 90 | 24750.0 | 3122.5 | 991.87 | -2130.63 | 8.61 | 0.00 | -2.127 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 22:30:00 | 91 | 24750.0 | 3242.5 | 1082.65 | -2159.85 | 8.73 | 0.00 | 1.063 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 22:45:00 | 92 | 24750.0 | 3130.0 | 1489.38 | -1640.62 | 6.63 | 0.00 | -2.658 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 23:00:00 | 93 | 24750.0 | 3072.5 | 2070.78 | -1001.72 | 4.05 | 0.00 | -2.658 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 23:15:00 | 94 | 24750.0 | 3082.5 | 2599.69 | -482.81 | 1.95 | 0.00 | 0.000 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 23:30:00 | 95 | 24750.0 | 3077.5 | 2730.0 | -347.5 | 1.4 | 0.00 | 0.000 | 0.000000 |
| Aundh Wind 132kV | 10/01/2020 23:45:00 | 96 | 24750.0 | 3122.5 | 2803.59 | -318.91 | 1.29 | 0.00 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Wind 132kV | 11/01/2020 00:00:00 | 1 | 24750.0 | 3457.5 | 3046.09 | -411.41 | 1.66 | 0.00 | 0.000 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 00:15:00 | 2 | 24750.0 | 3452.5 | 3690.63 | 238.13 | 0.96 | 0.00 | -2.629 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 00:30:00 | 3 | 24750.0 | 3497.5 | 4555.0 | 1057.5 | 4.27 | 0.00 | -1.577 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 00:45:00 | 4 | 24750.0 | 3617.5 | 6083.28 | 2465.78 | 9.96 | 0.00 | 2.103 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 01:00:00 | 5 | 24750.0 | 3505.0 | 6680.47 | 3175.47 | 12.83 | 0.00 | 2.964 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 01:15:00 | 6 | 24750.0 | 3447.5 | 7982.19 | 4534.69 | 18.32 | 411.10 | 1.052 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 01:30:00 | 7 | 24750.0 | 3457.5 | 7903.12 | 4445.62 | 17.96 | 366.56 | 1.577 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 01:45:00 | 8 | 24750.0 | 3452.5 | 7948.6 | 4496.1 | 18.17 | 391.80 | -0.526 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 02:00:00 | 9 | 24750.0 | 3497.5 | 8217.65 | 4720.15 | 19.07 | 503.83 | -0.403 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 02:15:00 | 10 | 24750.0 | 3617.5 | 7974.84 | 4357.34 | 17.61 | 322.42 | -0.630 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 02:30:00 | 11 | 24750.0 | 3505.0 | 7980.47 | 4475.47 | 18.08 | 381.49 | -0.526 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 02:45:00 | 12 | 24750.0 | 3447.5 | 8662.19 | 5214.69 | 21.07 | 751.10 | -0.526 | -248.327368 |
| Aundh Wind 132kV | 11/01/2020 03:00:00 | 13 | 24750.0 | 3457.5 | 8710.31 | 5252.81 | 21.22 | 770.16 | -1.051 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 03:15:00 | 14 | 24750.0 | 3452.5 | 8216.41 | 4763.91 | 19.25 | 525.71 | 0.000 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 03:30:00 | 15 | 24750.0 | 3497.5 | 8077.66 | 4580.16 | 18.51 | 433.83 | 0.000 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 03:45:00 | 16 | 24750.0 | 3617.5 | 7943.44 | 4325.94 | 17.48 | 306.72 | 0.000 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 04:00:00 | 17 | 24750.0 | 3505.0 | 7860.31 | 4355.31 | 17.6 | 321.41 | 0.000 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 04:15:00 | 18 | 24750.0 | 3447.5 | 8031.41 | 4583.91 | 18.52 | 435.71 | -1.051 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 04:30:00 | 19 | 24750.0 | 3457.5 | 8040.31 | 4582.81 | 18.52 | 435.16 | -2.964 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 04:45:00 | 20 | 24750.0 | 3077.5 | 7424.69 | 4347.19 | 17.56 | 317.35 | -3.300 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 05:00:00 | 21 | 24750.0 | 3122.5 | 7272.81 | 4150.31 | 16.77 | 218.91 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Wind 132kV | 11/01/2020 05:15:00 | 22 | 24750.0 | 3242.5 | 7093.28 | 3850.78 | 15.56 | 69.14 | 5.314 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 05:30:00 | 23 | 24750.0 | 3130.0 | 6903.75 | 3773.75 | 15.25 | 30.63 | 2.964 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 05:45:00 | 24 | 24750.0 | 3072.5 | 6624.22 | 3551.72 | 14.35 | 0.00 | 2.103 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 06:00:00 | 25 | 24750.0 | 2755.0 | 6069.38 | 3314.38 | 13.39 | 0.00 | 3.636 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 06:15:00 | 26 | 24750.0 | 2752.5 | 5667.34 | 2914.84 | 11.78 | 0.00 | 2.964 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 06:30:00 | 27 | 24750.0 | 2617.5 | 4837.03 | 2219.53 | 8.97 | 0.00 | 4.105 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 06:45:00 | 28 | 24750.0 | 2742.5 | 4013.44 | 1270.94 | 5.14 | 0.00 | 5.650 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 07:00:00 | 29 | 24750.0 | 2767.5 | 3348.44 | 580.94 | 2.35 | 0.00 | 3.300 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 07:15:00 | 30 | 24750.0 | 2810.0 | 3144.69 | 334.69 | 1.35 | 0.00 | 5.314 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 07:30:00 | 31 | 24750.0 | 2797.5 | 3195.78 | 398.28 | 1.61 | 0.00 | 2.964 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 07:45:00 | 32 | 24750.0 | 2785.0 | 3476.4 | 691.4 | 2.79 | 0.00 | 2.103 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 08:00:00 | 33 | 24750.0 | 2742.5 | 3607.65 | 865.15 | 3.5 | 0.00 | -1.577 | -30.997631 |
| Aundh Wind 132kV | 11/01/2020 08:15:00 | 34 | 24750.0 | 2630.0 | 3319.84 | 689.84 | 2.79 | 0.00 | 3.300 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 08:30:00 | 35 | 24750.0 | 2572.5 | 3043.28 | 470.78 | 1.9 | 0.00 | 2.116 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 08:45:00 | 36 | 24750.0 | 2582.5 | 2451.88 | -130.62 | 0.53 | 0.00 | 2.964 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 09:00:00 | 37 | 24750.0 | 2577.5 | 2069.53 | -507.97 | 2.05 | 0.00 | 6.681 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 09:15:00 | 38 | 24750.0 | 2622.5 | 1737.81 | -884.69 | 3.57 | 0.00 | 6.657 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 09:30:00 | 39 | 24750.0 | 2755.0 | 1242.97 | -1512.03 | 6.11 | 0.00 | -6.322 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 09:45:00 | 40 | 24750.0 | 2752.5 | 992.66 | -1759.84 | 7.11 | 0.00 | -2.103 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 10:00:00 | 41 | 24750.0 | 2617.5 | 711.56 | -1905.94 | 7.7 | 0.00 | 0.526 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 10:15:00 | 42 | 24750.0 | 2742.5 | 547.66 | -2194.84 | 8.87 | 0.00 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Wind 132kV | 11/01/2020 10:30:00 | 43 | 24750.0 | 2767.5 | 342.97 | -2424.53 | 9.8 | 0.00 | 0.000 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 10:45:00 | 44 | 24750.0 | 2810.0 | 336.09 | -2473.91 | 10.0 | 0.00 | 0.000 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 11:00:00 | 45 | 24750.0 | 2797.5 | 265.78 | -2531.72 | 10.23 | 0.00 | 0.000 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 11:15:00 | 46 | 24750.0 | 2785.0 | 186.56 | -2598.44 | 10.5 | 0.00 | -2.964 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 11:30:00 | 47 | 24750.0 | 2742.5 | 213.91 | -2528.59 | 10.22 | 0.00 | -4.307 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 11:45:00 | 48 | 24750.0 | 2630.0 | 223.91 | -2406.09 | 9.72 | 0.00 | -3.300 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 12:00:00 | 49 | 24750.0 | 2572.5 | 93.75 | -2478.75 | 10.02 | 0.00 | -0.526 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 12:15:00 | 50 | 24750.0 | 2582.5 | 32.5 | -2550.0 | 10.3 | 0.00 | -2.103 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 12:30:00 | 51 | 24750.0 | 2577.5 | 9.22 | -2568.28 | 10.38 | 0.00 | -2.629 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 12:45:00 | 52 | 24750.0 | 2622.5 | 1.56 | -2620.94 | 10.59 | 0.00 | -2.629 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 13:00:00 | 53 | 24750.0 | 2755.0 | 1.56 | -2753.44 | 11.13 | 0.00 | 0.000 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 13:15:00 | 54 | 24750.0 | 2752.5 | 0.0 | -2752.5 | 11.12 | 0.00 | -2.103 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 13:30:00 | 55 | 24750.0 | 2617.5 | 0.0 | -2617.5 | 10.58 | 0.00 | 2.629 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 13:45:00 | 56 | 24750.0 | 2742.5 | 0.0 | -2742.5 | 11.08 | 0.00 | 2.103 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 14:00:00 | 57 | 24750.0 | 2767.5 | 0.0 | -2767.5 | 11.18 | 0.00 | 1.051 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 14:15:00 | 58 | 24750.0 | 2810.0 | 0.0 | -2810.0 | 11.35 | 0.00 | 3.300 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 14:30:00 | 59 | 24750.0 | 2797.5 | 2.03 | -2795.47 | 11.29 | 0.00 | -3.636 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 14:45:00 | 60 | 24750.0 | 2785.0 | 0.0 | -2785.0 | 11.25 | 0.00 | 4.979 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 15:00:00 | 61 | 24750.0 | 2742.5 | 0.94 | -2741.56 | 11.08 | 0.00 | -2.964 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 15:15:00 | 62 | 24750.0 | 2630.0 | 0.0 | -2630.0 | 10.63 | 0.00 | -5.314 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 15:30:00 | 63 | 24750.0 | 2572.5 | 0.0 | -2572.5 | 10.39 | 0.00 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Wind 132kV | 11/01/2020 15:45:00 | 64 | 24750.0 | 2582.5 | 0.0 | -2582.5 | 10.43 | 0.00 | 4.643 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 16:00:00 | 65 | 24750.0 | 2577.5 | 0.0 | -2577.5 | 10.41 | 0.00 | 2.103 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 16:15:00 | 66 | 24750.0 | 2622.5 | 0.0 | -2622.5 | 10.6 | 0.00 | -2.964 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 16:30:00 | 67 | 24750.0 | 2755.0 | 0.0 | -2755.0 | 11.13 | 0.00 | -2.103 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 16:45:00 | 68 | 24750.0 | 2752.5 | 0.0 | -2752.5 | 11.12 | 0.00 | 3.972 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 17:00:00 | 69 | 24750.0 | 2617.5 | 0.0 | -2617.5 | 10.58 | 0.00 | -1.577 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 17:15:00 | 70 | 24750.0 | 2742.5 | 0.0 | -2742.5 | 11.08 | 0.00 | -1.577 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 17:30:00 | 71 | 24750.0 | 2767.5 | 0.0 | -2767.5 | 11.18 | 0.00 | 1.051 | 35.311487 |
| Aundh Wind 132kV | 11/01/2020 17:45:00 | 72 | 24750.0 | 2810.0 | 0.0 | -2810.0 | 11.35 | 0.00 | -2.103 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 18:00:00 | 73 | 24750.0 | 2797.5 | 0.0 | -2797.5 | 11.3 | 0.00 | -2.964 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 18:15:00 | 74 | 24750.0 | 2785.0 | 20.94 | -2764.06 | 11.17 | 0.00 | -2.629 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 18:30:00 | 75 | 24750.0 | 2742.5 | 28.91 | -2713.59 | 10.96 | 0.00 | 2.103 | 95.389455 |
| Aundh Wind 132kV | 11/01/2020 18:45:00 | 76 | 24750.0 | 2630.0 | 10.16 | -2619.84 | 10.59 | 0.00 | 0.526 | 269.651831 |
| Aundh Wind 132kV | 11/01/2020 19:00:00 | 77 | 24750.0 | 2572.5 | 2.34 | -2570.16 | 10.38 | 0.00 | 2.103 | 1050.672550 |
| Aundh Wind 132kV | 11/01/2020 19:15:00 | 78 | 24750.0 | 2582.5 | 42.97 | -2539.53 | 10.26 | 0.00 | -1.052 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 19:30:00 | 79 | 24750.0 | 2577.5 | 250.78 | -2326.72 | 9.4 | 0.00 | 2.964 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 19:45:00 | 80 | 24750.0 | 2622.5 | 707.5 | -1915.0 | 7.74 | 0.00 | 2.629 | 1424.447641 |
| Aundh Wind 132kV | 11/01/2020 20:00:00 | 81 | 24750.0 | 2755.0 | 774.85 | -1980.15 | 8.0 | 0.00 | 2.629 | 322.033207 |
| Aundh Wind 132kV | 11/01/2020 20:15:00 | 82 | 24750.0 | 2752.5 | 1078.13 | -1674.37 | 6.77 | 0.00 | 4.307 | 897.923317 |
| Aundh Wind 132kV | 11/01/2020 20:30:00 | 83 | 24750.0 | 3077.5 | 1228.12 | -1849.38 | 7.47 | 0.00 | 2.964 | 2542.918110 |
| Aundh Wind 132kV | 11/01/2020 20:45:00 | 84 | 24750.0 | 3122.5 | 1107.03 | -2015.47 | 8.14 | 0.00 | 2.629 | 2378.865054 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Wind 132kV | 11/01/2020 21:00:00 | 85 | 24750.0 | 3242.5 | 1062.34 | -2180.16 | 8.81 | 0.00 | 3.636 | 467.356604 |
| Aundh Wind 132kV | 11/01/2020 21:15:00 | 86 | 24750.0 | 3130.0 | 1196.56 | -1933.44 | 7.81 | 0.00 | -1.577 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 21:30:00 | 87 | 24750.0 | 3072.5 | 1501.09 | -1571.41 | 6.35 | 0.00 | -1.577 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 21:45:00 | 88 | 24750.0 | 3082.5 | 1646.25 | -1436.25 | 5.8 | 0.00 | -1.052 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 22:00:00 | 89 | 24750.0 | 3077.5 | 1787.81 | -1289.69 | 5.21 | 0.00 | -5.650 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 22:15:00 | 90 | 24750.0 | 3122.5 | 1752.66 | -1369.84 | 5.53 | 0.00 | -5.650 | 0.000000 |
| Aundh Wind 132kV | 11/01/2020 22:30:00 | 91 | 24750.0 | 3242.5 | 1566.41 | -1676.09 | 6.77 | 0.00 | 4.979 | 808.137868 |
| Aundh Wind 132kV | 11/01/2020 22:45:00 | 92 | 24750.0 | 3130.0 | 1656.56 | -1473.44 | 5.95 | 0.00 | 2.964 | 925.295129 |
| Aundh Wind 132kV | 11/01/2020 23:00:00 | 93 | 24750.0 | 3072.5 | 1980.78 | -1091.72 | 4.41 | 0.00 | 1.577 | 170.709793 |
| Aundh Wind 132kV | 11/01/2020 23:15:00 | 94 | 24750.0 | 3082.5 | 2360.78 | -721.72 | 2.92 | 0.00 | 1.074 | 92.307774 |
| Aundh Wind 132kV | 11/01/2020 23:30:00 | 95 | 24750.0 | 3077.5 | 2422.66 | -654.84 | 2.65 | 0.00 | 2.113 | 377.507670 |
| Aundh Wind 132kV | 11/01/2020 23:45:00 | 96 | 24750.0 | 3122.5 | 2664.22 | -458.28 | 1.85 | 0.00 | 2.162 | 340.595684 |
| Aundh Wind 132kV | 12/01/2020 00:00:00 | 1 | 24750.0 | 3457.5 | 2990.78 | -466.72 | 1.89 | 0.00 | 3.022 | 287.064441 |
| Aundh Wind 132kV | 12/01/2020 00:15:00 | 2 | 24750.0 | 3452.5 | 3110.47 | -342.03 | 1.38 | 0.00 | -2.152 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 00:30:00 | 3 | 24750.0 | 3497.5 | 2855.47 | -642.03 | 2.59 | 0.00 | -2.152 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 00:45:00 | 4 | 24750.0 | 3617.5 | 2693.91 | -923.59 | 3.73 | 0.00 | -3.022 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 01:00:00 | 5 | 24750.0 | 3505.0 | 2710.47 | -794.53 | 3.21 | 0.00 | -0.629 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 01:15:00 | 6 | 24750.0 | 3447.5 | 2436.88 | -1010.62 | 4.08 | 0.00 | -3.317 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 01:30:00 | 7 | 24750.0 | 3457.5 | 2296.09 | -1161.41 | 4.69 | 0.00 | -3.354 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 01:45:00 | 8 | 24750.0 | 3452.5 | 2149.84 | -1302.66 | 5.26 | 0.00 | -3.022 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 02:00:00 | 9 | 24750.0 | 3497.5 | 2192.34 | -1305.16 | 5.27 | 0.00 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Wind 132kV | 12/01/2020 02:15:00 | 10 | 24750.0 | 3617.5 | 2575.78 | -1041.72 | 4.21 | 0.00 | -3.022 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 02:30:00 | 11 | 24750.0 | 3505.0 | 3576.56 | 71.56 | 0.29 | 0.00 | -2.690 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 02:45:00 | 12 | 24750.0 | 3447.5 | 3686.88 | 239.38 | 0.97 | 0.00 | -3.022 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 03:00:00 | 13 | 24750.0 | 3457.5 | 4571.88 | 1114.38 | 4.5 | 0.00 | 3.354 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 03:15:00 | 14 | 24750.0 | 3452.5 | 5085.47 | 1632.97 | 6.6 | 0.00 | 3.022 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 03:30:00 | 15 | 24750.0 | 3497.5 | 4695.0 | 1197.5 | 4.84 | 0.00 | 3.354 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 03:45:00 | 16 | 24750.0 | 3617.5 | 4248.28 | 630.78 | 2.55 | 0.00 | 2.152 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 04:00:00 | 17 | 24750.0 | 3505.0 | 3921.56 | 416.56 | 1.68 | 0.00 | -2.152 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 04:15:00 | 18 | 24750.0 | 3447.5 | 3685.78 | 238.28 | 0.96 | 0.00 | -3.022 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 04:30:00 | 19 | 24750.0 | 3457.5 | 3824.37 | 366.87 | 1.48 | 0.00 | 1.076 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 04:45:00 | 20 | 24750.0 | 3077.5 | 4367.66 | 1290.16 | 5.21 | 0.00 | -3.022 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 05:00:00 | 21 | 24750.0 | 3122.5 | 4699.53 | 1577.03 | 6.37 | 0.00 | 3.686 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 05:15:00 | 22 | 24750.0 | 3242.5 | 3430.63 | 188.13 | 0.76 | 0.00 | 3.686 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 05:30:00 | 23 | 24750.0 | 3130.0 | 3028.59 | -101.41 | 0.41 | 0.00 | -1.614 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 05:45:00 | 24 | 24750.0 | 3072.5 | 3308.75 | 236.25 | 0.95 | 0.00 | -0.496 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 06:00:00 | 25 | 24750.0 | 2755.0 | 3812.5 | 1057.5 | 4.27 | 0.00 | 0.000 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 06:15:00 | 26 | 24750.0 | 2752.5 | 3645.78 | 893.28 | 3.61 | 0.00 | -0.430 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 06:30:00 | 27 | 24750.0 | 2617.5 | 3657.81 | 1040.31 | 4.2 | 0.00 | -2.152 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 06:45:00 | 28 | 24750.0 | 2742.5 | 3894.69 | 1152.19 | 4.66 | 0.00 | 4.681 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 07:00:00 | 29 | 24750.0 | 2767.5 | 4042.81 | 1275.31 | 5.15 | 0.00 | 1.614 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 07:15:00 | 30 | 24750.0 | 2810.0 | 4345.0 | 1535.0 | 6.2 | 0.00 | 3.838 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Wind 132kV | 12/01/2020 07:30:00 | 31 | 24750.0 | 2797.5 | 4122.03 | 1324.53 | 5.35 | 0.00 | 3.022 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 07:45:00 | 32 | 24750.0 | 2785.0 | 4217.34 | 1432.34 | 5.79 | 0.00 | 2.690 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 08:00:00 | 33 | 24750.0 | 2742.5 | 3967.66 | 1225.16 | 4.95 | 0.00 | -2.690 | -654.496304 |
| Aundh Wind 132kV | 12/01/2020 08:15:00 | 34 | 24750.0 | 2630.0 | 3612.5 | 982.5 | 3.97 | 0.00 | -4.018 | -483.888709 |
| Aundh Wind 132kV | 12/01/2020 08:30:00 | 35 | 24750.0 | 2572.5 | 2955.94 | 383.44 | 1.55 | 0.00 | -2.690 | -18.211202 |
| Aundh Wind 132kV | 12/01/2020 08:45:00 | 36 | 24750.0 | 2582.5 | 2538.91 | -43.59 | 0.18 | 0.00 | 3.022 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 09:00:00 | 37 | 24750.0 | 3577.5 | 2161.88 | -1415.62 | 5.72 | 0.00 | -3.354 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 09:15:00 | 38 | 24750.0 | 3622.5 | 1846.41 | -1776.09 | 7.18 | 0.00 | -4.350 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 09:30:00 | 39 | 24750.0 | 3742.5 | 1543.44 | -2199.06 | 8.89 | 0.00 | 2.152 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 09:45:00 | 40 | 24750.0 | 3630.0 | 1511.25 | -2118.75 | 8.56 | 0.00 | -2.690 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 10:00:00 | 41 | 24750.0 | 3572.5 | 1928.75 | -1643.75 | 6.64 | 0.00 | -3.354 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 10:15:00 | 42 | 24750.0 | 3582.5 | 2168.44 | -1414.06 | 5.71 | 0.00 | -3.686 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 10:30:00 | 43 | 24750.0 | 3577.5 | 2293.13 | -1284.37 | 5.19 | 0.00 | -1.614 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 10:45:00 | 44 | 24750.0 | 3622.5 | 2373.59 | -1248.91 | 5.05 | 0.00 | 3.686 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 11:00:00 | 45 | 24750.0 | 3742.5 | 2199.69 | -1542.81 | 6.23 | 0.00 | -3.354 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 11:15:00 | 46 | 24750.0 | 3630.0 | 1685.0 | -1945.0 | 7.86 | 0.00 | -5.450 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 11:30:00 | 47 | 24750.0 | 3572.5 | 1244.53 | -2327.97 | 9.41 | 0.00 | -6.009 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 11:45:00 | 48 | 24750.0 | 3582.5 | 1052.97 | -2529.53 | 10.22 | 0.00 | 2.690 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 12:00:00 | 49 | 24750.0 | 3577.5 | 917.03 | -2660.47 | 10.75 | 0.00 | 3.686 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 12:15:00 | 50 | 24750.0 | 3622.5 | 850.78 | -2771.72 | 11.2 | 0.00 | -5.345 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 12:30:00 | 51 | 24750.0 | 3452.5 | 799.69 | -2652.81 | 10.72 | 0.00 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Wind 132kV | 12/01/2020 12:45:00 | 52 | 24750.0 | 3497.5 | 706.41 | -2791.09 | 11.28 | 0.00 | -5.345 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 13:00:00 | 53 | 24750.0 | 3630.0 | 572.03 | -3057.97 | 12.36 | 0.00 | -3.999 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 13:15:00 | 54 | 24750.0 | 3627.5 | 577.19 | -3050.31 | 12.32 | 0.00 | -4.350 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 13:30:00 | 55 | 24750.0 | 3492.5 | 460.78 | -3031.72 | 12.25 | 0.00 | -1.076 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 13:45:00 | 56 | 24750.0 | 3617.5 | 463.59 | -3153.91 | 12.74 | 0.00 | -2.690 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 14:00:00 | 57 | 24750.0 | 3642.5 | 354.06 | -3288.44 | 13.29 | 0.00 | -0.538 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 14:15:00 | 58 | 24750.0 | 3685.0 | 289.84 | -3395.16 | 13.72 | 0.00 | -2.152 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 14:30:00 | 59 | 24750.0 | 3672.5 | 315.94 | -3356.56 | 13.56 | 0.00 | -2.690 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 14:45:00 | 60 | 24750.0 | 3660.0 | 212.97 | -3447.03 | 13.93 | 0.00 | -1.076 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 15:00:00 | 61 | 24750.0 | 3617.5 | 66.25 | -3551.25 | 14.35 | 0.00 | 0.000 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 15:15:00 | 62 | 24750.0 | 3505.0 | 61.72 | -3443.28 | 13.91 | 0.00 | -2.690 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 15:30:00 | 63 | 24750.0 | 3447.5 | 35.47 | -3412.03 | 13.79 | 0.00 | -3.022 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 15:45:00 | 64 | 24750.0 | 3457.5 | 27.19 | -3430.31 | 13.86 | 0.00 | -3.686 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 16:00:00 | 65 | 24750.0 | 3452.5 | 12.81 | -3439.69 | 13.9 | 0.00 | -3.737 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 16:15:00 | 66 | 24750.0 | 3497.5 | 13.44 | -3484.06 | 14.08 | 0.00 | -5.786 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 16:30:00 | 67 | 24750.0 | 3630.0 | 2.5 | -3627.5 | 14.66 | 0.00 | -4.350 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 16:45:00 | 68 | 24750.0 | 3627.5 | 4.69 | -3622.81 | 14.64 | 0.00 | -1.614 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 17:00:00 | 69 | 24750.0 | 3492.5 | 20.31 | -3472.19 | 14.03 | 0.00 | 0.000 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 17:15:00 | 70 | 24750.0 | 3617.5 | 0.0 | -3617.5 | 14.62 | 0.00 | 2.690 | 937.850445 |
| Aundh Wind 132kV | 12/01/2020 17:30:00 | 71 | 24750.0 | 3642.5 | 0.78 | -3641.72 | 14.71 | 0.00 | -3.022 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 17:45:00 | 72 | 24750.0 | 3685.0 | 5.47 | -3679.53 | 14.87 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Wind 132kV | 12/01/2020 18:00:00 | 73 | 24750.0 | 3672.5 | 31.25 | -3641.25 | 14.71 | 0.00 | -0.538 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 18:15:00 | 74 | 24750.0 | 3660.0 | 9.38 | -3650.62 | 14.75 | 0.00 | -4.350 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 18:30:00 | 75 | 24750.0 | 3617.5 | 46.88 | -3570.62 | 14.43 | 0.00 | 2.690 | 614.022194 |
| Aundh Wind 132kV | 12/01/2020 18:45:00 | 76 | 24750.0 | 3505.0 | 161.72 | -3343.28 | 13.51 | 0.00 | 3.022 | 3703.907013 |
| Aundh Wind 132kV | 12/01/2020 19:00:00 | 77 | 24750.0 | 3447.5 | 284.53 | -3162.97 | 12.78 | 0.00 | 3.686 | 1125.565016 |
| Aundh Wind 132kV | 12/01/2020 19:15:00 | 78 | 24750.0 | 3457.5 | 304.69 | -3152.81 | 12.74 | 0.00 | 2.690 | 66.596980 |
| Aundh Wind 132kV | 12/01/2020 19:30:00 | 79 | 24750.0 | 3452.5 | 425.16 | -3027.34 | 12.23 | 0.00 | -3.022 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 19:45:00 | 80 | 24750.0 | 3497.5 | 600.0 | -2897.5 | 11.71 | 0.00 | -1.781 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 20:00:00 | 81 | 24750.0 | 3630.0 | 706.09 | -2923.91 | 11.81 | 0.00 | -3.021 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 20:15:00 | 82 | 24750.0 | 3627.5 | 805.78 | -2821.72 | 11.4 | 0.00 | -4.018 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 20:30:00 | 83 | 24750.0 | 3492.5 | 997.66 | -2494.84 | 10.08 | 0.00 | -3.354 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 20:45:00 | 84 | 24750.0 | 3617.5 | 1400.31 | -2217.19 | 8.96 | 0.00 | -1.614 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 21:00:00 | 85 | 24750.0 | 3642.5 | 1530.94 | -2111.56 | 8.53 | 0.00 | -4.350 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 21:15:00 | 86 | 24750.0 | 3685.0 | 1668.28 | -2016.72 | 8.15 | 0.00 | -3.686 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 21:30:00 | 87 | 24750.0 | 3672.5 | 1644.53 | -2027.97 | 8.19 | 0.00 | -1.614 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 21:45:00 | 88 | 24750.0 | 3660.0 | 1661.72 | -1998.28 | 8.07 | 0.00 | 0.000 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 22:00:00 | 89 | 24750.0 | 3617.5 | 1402.35 | -2215.15 | 8.95 | 0.00 | -3.354 | 0.000000 |
| Aundh Wind 132kV | 12/01/2020 22:15:00 | 90 | 24750.0 | 3505.0 | 1123.91 | -2381.09 | 9.62 | 0.00 | 4.350 | 2907.193801 |
| Aundh Wind 132kV | 12/01/2020 22:30:00 | 91 | 24750.0 | 3447.5 | 990.0 | -2457.5 | 9.93 | 0.00 | 5.215 | 5658.729732 |
| Aundh Wind 132kV | 12/01/2020 22:45:00 | 92 | 24750.0 | 3457.5 | 609.06 | -2848.44 | 11.51 | 0.00 | 3.022 | 642.065943 |
| Aundh Wind 132kV | 12/01/2020 23:00:00 | 93 | 24750.0 | 3452.5 | 398.28 | -3054.22 | 12.34 | 0.00 | 3.022 | 1507.937402 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Aundh Wind 132kV | 12/01/2020 23:15:00 | 94 | 24750.0 | 3497.5 | 221.09 | -3276.41 | 13.24 | 0.00 | 2.152 | 1610.708100 |
| Aundh Wind 132kV | 12/01/2020 23:30:00 | 95 | 24750.0 | 3630.0 | 114.06 | -3515.94 | 14.21 | 0.00 | 2.152 | 994.656060 |
| Aundh Wind 132kV | 12/01/2020 23:45:00 | 96 | 24750.0 | 3997.5 | 154.69 | -3842.81 | 15.53 | 65.16 | 2.152 | 1249.100097 |
| Bambavde 132kV | 06/01/2020 00:00:00 | 1 | 6162.5 | 830.0 | 1514.06 | 684.06 | 11.1 | 0.00 | 2.903 | 0.000000 |
| Bambavde 132kV | 06/01/2020 00:15:00 | 2 | 6162.5 | 835.0 | 1287.5 | 452.5 | 7.34 | 0.00 | 0.000 | 0.000000 |
| Bambavde 132kV | 06/01/2020 00:30:00 | 3 | 6162.5 | 837.5 | 1648.44 | 810.94 | 13.16 | 0.00 | 0.000 | 0.000000 |
| Bambavde 132kV | 06/01/2020 00:45:00 | 4 | 6162.5 | 900.0 | 1667.19 | 767.19 | 12.45 | 0.00 | -0.984 | 0.000000 |
| Bambavde 132kV | 06/01/2020 01:00:00 | 5 | 6162.5 | 850.0 | 1643.75 | 793.75 | 12.88 | 0.00 | -3.541 | 0.000000 |
| Bambavde 132kV | 06/01/2020 01:15:00 | 6 | 6162.5 | 912.5 | 1337.5 | 425.0 | 6.9 | 0.00 | 3.222 | 0.000000 |
| Bambavde 132kV | 06/01/2020 01:30:00 | 7 | 6162.5 | 662.5 | 1687.5 | 1025.0 | 16.63 | 50.31 | 3.541 | 0.000000 |
| Bambavde 132kV | 06/01/2020 01:45:00 | 8 | 6162.5 | 725.0 | 2112.5 | 1387.5 | 22.52 | 231.56 | 2.352 | 0.000000 |
| Bambavde 132kV | 06/01/2020 02:00:00 | 9 | 6162.5 | 760.0 | 1914.06 | 1154.06 | 18.73 | 114.84 | 1.747 | 0.000000 |
| Bambavde 132kV | 06/01/2020 02:15:00 | 10 | 6162.5 | 800.0 | 1867.19 | 1067.19 | 17.32 | 71.41 | 0.581 | 0.000000 |
| Bambavde 132kV | 06/01/2020 02:30:00 | 11 | 6162.5 | 842.5 | 2193.75 | 1351.25 | 21.93 | 213.44 | -2.323 | 0.000000 |
| Bambavde 132kV | 06/01/2020 02:45:00 | 12 | 6162.5 | 857.5 | 2075.0 | 1217.5 | 19.76 | 146.56 | 2.323 | 0.000000 |
| Bambavde 132kV | 06/01/2020 03:00:00 | 13 | 6162.5 | 860.0 | 2390.62 | 1530.62 | 24.84 | 303.12 | 2.323 | 0.000000 |
| Bambavde 132kV | 06/01/2020 03:15:00 | 14 | 6162.5 | 855.0 | 2442.19 | 1587.19 | 25.76 | 354.69 | -1.742 | -47.798771 |
| Bambavde 132kV | 06/01/2020 03:30:00 | 15 | 6162.5 | 732.5 | 2521.88 | 1789.38 | 29.04 | 556.88 | 3.222 | 0.000000 |
| Bambavde 132kV | 06/01/2020 03:45:00 | 16 | 6162.5 | 687.5 | 2609.38 | 1921.88 | 31.19 | 689.38 | 3.541 | 0.000000 |
| Bambavde 132kV | 06/01/2020 04:00:00 | 17 | 6162.5 | 725.0 | 2695.31 | 1970.31 | 31.97 | 737.81 | 4.496 | 0.000000 |
| Bambavde 132kV | 06/01/2020 04:15:00 | 18 | 6162.5 | 760.0 | 2373.44 | 1613.44 | 26.18 | 380.94 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bambavde 132kV | 06/01/2020 04:30:00 | 19 | 6162.5 | 800.0 | 2126.56 | 1326.56 | 21.53 | 201.09 | 3.859 | 0.000000 |
| Bambavde 132kV | 06/01/2020 04:45:00 | 20 | 6162.5 | 842.5 | 2301.56 | 1459.06 | 23.68 | 267.34 | 4.815 | 0.000000 |
| Bambavde 132kV | 06/01/2020 05:00:00 | 21 | 6162.5 | 912.5 | 2410.94 | 1498.44 | 24.32 | 287.03 | 3.859 | 0.000000 |
| Bambavde 132kV | 06/01/2020 05:15:00 | 22 | 6162.5 | 800.0 | 2253.12 | 1453.12 | 23.58 | 264.37 | 6.407 | 0.000000 |
| Bambavde 132kV | 06/01/2020 05:30:00 | 23 | 6162.5 | 742.5 | 2175.0 | 1432.5 | 23.25 | 254.06 | 6.496 | 0.000000 |
| Bambavde 132kV | 06/01/2020 05:45:00 | 24 | 6162.5 | 555.0 | 2089.06 | 1534.06 | 24.89 | 304.84 | 7.492 | 0.000000 |
| Bambavde 132kV | 06/01/2020 06:00:00 | 25 | 6162.5 | 597.5 | 1859.38 | 1261.88 | 20.48 | 168.75 | -5.452 | 0.000000 |
| Bambavde 132kV | 06/01/2020 06:15:00 | 26 | 6162.5 | 515.0 | 1615.62 | 1100.62 | 17.86 | 88.12 | -6.089 | 0.000000 |
| Bambavde 132kV | 06/01/2020 06:30:00 | 27 | 6162.5 | 555.0 | 1712.5 | 1157.5 | 18.78 | 116.56 | -7.044 | 0.000000 |
| Bambavde 132kV | 06/01/2020 06:45:00 | 28 | 6162.5 | 597.5 | 1687.5 | 1090.0 | 17.69 | 82.81 | 7.682 | 0.000000 |
| Bambavde 132kV | 06/01/2020 07:00:00 | 29 | 6162.5 | 667.5 | 1451.56 | 784.06 | 12.72 | 0.00 | -3.859 | 0.000000 |
| Bambavde 132kV | 06/01/2020 07:15:00 | 30 | 6162.5 | 665.0 | 1459.38 | 794.38 | 12.89 | 0.00 | 4.815 | 0.000000 |
| Bambavde 132kV | 06/01/2020 07:30:00 | 31 | 6162.5 | 617.5 | 1496.88 | 879.38 | 14.27 | 0.00 | 4.178 | 0.000000 |
| Bambavde 132kV | 06/01/2020 07:45:00 | 32 | 6162.5 | 570.0 | 1362.5 | 792.5 | 12.86 | 0.00 | -3.540 | -350.583117 |
| Bambavde 132kV | 06/01/2020 08:00:00 | 33 | 6162.5 | 525.0 | 1131.25 | 606.25 | 9.84 | 0.00 | -3.859 | -159.640876 |
| Bambavde 132kV | 06/01/2020 08:15:00 | 34 | 6162.5 | 562.5 | 1307.81 | 745.31 | 12.09 | 0.00 | -5.452 | -64.037409 |
| Bambavde 132kV | 06/01/2020 08:30:00 | 35 | 6162.5 | 597.5 | 1073.44 | 475.94 | 7.72 | 0.00 | 4.178 | 0.000000 |
| Bambavde 132kV | 06/01/2020 08:45:00 | 36 | 6162.5 | 597.5 | 945.31 | 347.81 | 5.64 | 0.00 | -3.859 | -35.241560 |
| Bambavde 132kV | 06/01/2020 09:00:00 | 37 | 6162.5 | 715.0 | 865.62 | 150.62 | 2.44 | 0.00 | -6.407 | -47.196298 |
| Bambavde 132kV | 06/01/2020 09:15:00 | 38 | 6162.5 | 665.0 | 1028.12 | 363.12 | 5.89 | 0.00 | -8.000 | -57.734094 |
| Bambavde 132kV | 06/01/2020 09:30:00 | 39 | 6162.5 | 617.5 | 1015.62 | 398.12 | 6.46 | 0.00 | -5.770 | -27.403209 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bambavde 132kV | 06/01/2020 09:45:00 | 40 | 6162.5 | 620.0 | 1037.5 | 417.5 | 6.77 | 0.00 | 3.222 | 0.000000 |
| Bambavde 132kV | 06/01/2020 10:00:00 | 41 | 6162.5 | 600.0 | 1168.75 | 568.75 | 9.23 | 0.00 | -2.903 | -77.604387 |
| Bambavde 132kV | 06/01/2020 10:15:00 | 42 | 6162.5 | 562.5 | 1214.06 | 651.56 | 10.57 | 0.00 | -3.222 | -18.322983 |
| Bambavde 132kV | 06/01/2020 10:30:00 | 43 | 6162.5 | 760.0 | 1209.38 | 449.38 | 7.29 | 0.00 | 4.815 | 0.000000 |
| Bambavde 132kV | 06/01/2020 10:45:00 | 44 | 6162.5 | 800.0 | 1295.31 | 495.31 | 8.04 | 0.00 | 4.496 | 0.000000 |
| Bambavde 132kV | 06/01/2020 11:00:00 | 45 | 6162.5 | 842.5 | 967.19 | 124.69 | 2.02 | 0.00 | 16.000 | 0.000000 |
| Bambavde 132kV | 06/01/2020 11:15:00 | 46 | 6162.5 | 912.5 | 865.62 | -46.88 | 0.76 | 0.00 | 5.133 | 0.000000 |
| Bambavde 132kV | 06/01/2020 11:30:00 | 47 | 6162.5 | 800.0 | 1078.12 | 278.12 | 4.51 | 0.00 | 1.182 | 0.000000 |
| Bambavde 132kV | 06/01/2020 11:45:00 | 48 | 6162.5 | 842.5 | 1148.44 | 305.94 | 4.96 | 0.00 | 6.308 | 0.000000 |
| Bambavde 132kV | 06/01/2020 12:00:00 | 49 | 6162.5 | 912.5 | 1160.94 | 248.44 | 4.03 | 0.00 | 6.598 | 0.000000 |
| Bambavde 132kV | 06/01/2020 12:15:00 | 50 | 6162.5 | 877.5 | 920.31 | 42.81 | 0.69 | 0.00 | 5.431 | 0.000000 |
| Bambavde 132kV | 06/01/2020 12:30:00 | 51 | 6162.5 | 827.5 | 820.31 | -7.19 | 0.12 | 0.00 | 3.540 | 0.000000 |
| Bambavde 132kV | 06/01/2020 12:45:00 | 52 | 6162.5 | 780.0 | 778.12 | -1.88 | 0.03 | 0.00 | -2.903 | 0.000000 |
| Bambavde 132kV | 06/01/2020 13:00:00 | 53 | 6162.5 | 732.5 | 814.06 | 81.56 | 1.32 | 0.00 | -1.161 | -2.698649 |
| Bambavde 132kV | 06/01/2020 13:15:00 | 54 | 6162.5 | 760.0 | 720.31 | -39.69 | 0.64 | 0.00 | 3.859 | 0.000000 |
| Bambavde 132kV | 06/01/2020 13:30:00 | 55 | 6162.5 | 800.0 | 726.56 | -73.44 | 1.19 | 0.00 | -6.407 | 0.000000 |
| Bambavde 132kV | 06/01/2020 13:45:00 | 56 | 6162.5 | 842.5 | 814.06 | -28.44 | 0.46 | 0.00 | 5.452 | 0.000000 |
| Bambavde 132kV | 06/01/2020 14:00:00 | 57 | 6162.5 | 912.5 | 751.56 | -160.94 | 2.61 | 0.00 | 5.452 | 0.000000 |
| Bambavde 132kV | 06/01/2020 14:15:00 | 58 | 6162.5 | 877.5 | 773.44 | -104.06 | 1.69 | 0.00 | 16.000 | 0.000000 |
| Bambavde 132kV | 06/01/2020 14:30:00 | 59 | 6162.5 | 827.5 | 518.75 | -308.75 | 5.01 | 0.00 | 6.035 | 0.000000 |
| Bambavde 132kV | 06/01/2020 14:45:00 | 60 | 6162.5 | 780.0 | 475.0 | -305.0 | 4.95 | 0.00 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bambavde 132kV | 06/01/2020 15:00:00 | 61 | 6162.5 | 732.5 | 442.19 | -290.31 | 4.71 | 0.00 | 3.367 | 0.000000 |
| Bambavde 132kV | 06/01/2020 15:15:00 | 62 | 6162.5 | 687.5 | 606.25 | -81.25 | 1.32 | 0.00 | 3.904 | 0.000000 |
| Bambavde 132kV | 06/01/2020 15:30:00 | 63 | 6162.5 | 725.0 | 300.0 | -425.0 | 6.9 | 0.00 | 4.482 | 0.000000 |
| Bambavde 132kV | 06/01/2020 15:45:00 | 64 | 6162.5 | 760.0 | 237.5 | -522.5 | 8.48 | 0.00 | 4.225 | 0.000000 |
| Bambavde 132kV | 06/01/2020 16:00:00 | 65 | 6162.5 | 800.0 | 234.38 | -565.62 | 9.18 | 0.00 | 2.895 | 0.000000 |
| Bambavde 132kV | 06/01/2020 16:15:00 | 66 | 6162.5 | 842.5 | 276.56 | -565.94 | 9.18 | 0.00 | 6.089 | 0.000000 |
| Bambavde 132kV | 06/01/2020 16:30:00 | 67 | 6162.5 | 912.5 | 159.38 | -753.12 | 12.22 | 0.00 | -8.000 | 0.000000 |
| Bambavde 132kV | 06/01/2020 16:45:00 | 68 | 6162.5 | 800.0 | 154.69 | -645.31 | 10.47 | 0.00 | -4.178 | 0.000000 |
| Bambavde 132kV | 06/01/2020 17:00:00 | 69 | 6162.5 | 842.5 | 103.12 | -739.38 | 12.0 | 0.00 | 1.742 | 0.000000 |
| Bambavde 132kV | 06/01/2020 17:15:00 | 70 | 6162.5 | 912.5 | 56.25 | -856.25 | 13.89 | 0.00 | 2.903 | 0.000000 |
| Bambavde 132kV | 06/01/2020 17:30:00 | 71 | 6162.5 | 877.5 | 25.0 | -852.5 | 13.83 | 0.00 | -4.178 | 0.000000 |
| Bambavde 132kV | 06/01/2020 17:45:00 | 72 | 6162.5 | 827.5 | 32.81 | -794.69 | 12.9 | 0.00 | -2.323 | 0.000000 |
| Bambavde 132kV | 06/01/2020 18:00:00 | 73 | 6162.5 | 780.0 | 156.25 | -623.75 | 10.12 | 0.00 | -2.903 | 0.000000 |
| Bambavde 132kV | 06/01/2020 18:15:00 | 74 | 6162.5 | 732.5 | 395.31 | -337.19 | 5.47 | 0.00 | 1.161 | 87.689450 |
| Bambavde 132kV | 06/01/2020 18:30:00 | 75 | 6162.5 | 687.5 | 404.69 | -282.81 | 4.59 | 0.00 | 2.903 | 240.878824 |
| Bambavde 132kV | 06/01/2020 18:45:00 | 76 | 6162.5 | 725.0 | 532.81 | -192.19 | 3.12 | 0.00 | 2.903 | 3.875170 |
| Bambavde 132kV | 06/01/2020 19:00:00 | 77 | 6162.5 | 760.0 | 684.38 | -75.62 | 1.23 | 0.00 | -1.161 | 0.000000 |
| Bambavde 132kV | 06/01/2020 19:15:00 | 78 | 6162.5 | 800.0 | 520.31 | -279.69 | 4.54 | 0.00 | -4.178 | 0.000000 |
| Bambavde 132kV | 06/01/2020 19:30:00 | 79 | 6162.5 | 890.0 | 559.38 | -330.62 | 5.37 | 0.00 | -2.323 | 0.000000 |
| Bambavde 132kV | 06/01/2020 19:45:00 | 80 | 6162.5 | 887.5 | 529.69 | -357.81 | 5.81 | 0.00 | -4.178 | 0.000000 |
| Bambavde 132kV | 06/01/2020 20:00:00 | 81 | 6162.5 | 885.0 | 565.62 | -319.38 | 5.18 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bambavde 132kV | 06/01/2020 20:15:00 | 82 | 6162.5 | 890.0 | 434.38 | -455.62 | 7.39 | 0.00 | -5.770 | 0.000000 |
| Bambavde 132kV | 06/01/2020 20:30:00 | 83 | 6162.5 | 887.5 | 321.88 | -565.62 | 9.18 | 0.00 | 5.770 | 77.067525 |
| Bambavde 132kV | 06/01/2020 20:45:00 | 84 | 6162.5 | 885.0 | 306.25 | -578.75 | 9.39 | 0.00 | 4.178 | 239.344022 |
| Bambavde 132kV | 06/01/2020 21:00:00 | 85 | 6162.5 | 890.0 | 206.25 | -683.75 | 11.1 | 0.00 | 3.222 | 149.589077 |
| Bambavde 132kV | 06/01/2020 21:15:00 | 86 | 6162.5 | 887.5 | 159.38 | -728.12 | 11.82 | 0.00 | -1.742 | 0.000000 |
| Bambavde 132kV | 06/01/2020 21:30:00 | 87 | 6162.5 | 885.0 | 264.06 | -620.94 | 10.08 | 0.00 | 0.000 | 0.000000 |
| Bambavde 132kV | 06/01/2020 21:45:00 | 88 | 6162.5 | 890.0 | 148.44 | -741.56 | 12.03 | 0.00 | 1.161 | 0.000000 |
| Bambavde 132kV | 06/01/2020 22:00:00 | 89 | 6162.5 | 887.5 | 53.12 | -834.38 | 13.54 | 0.00 | 4.815 | 488.552068 |
| Bambavde 132kV | 06/01/2020 22:15:00 | 90 | 6162.5 | 885.0 | 153.12 | -731.88 | 11.88 | 0.00 | 3.859 | 442.129486 |
| Bambavde 132kV | 06/01/2020 22:30:00 | 91 | 6162.5 | 890.0 | 331.25 | -558.75 | 9.07 | 0.00 | 1.742 | 0.000000 |
| Bambavde 132kV | 06/01/2020 22:45:00 | 92 | 6162.5 | 887.5 | 290.62 | -596.88 | 9.69 | 0.00 | -2.323 | 0.000000 |
| Bambavde 132kV | 06/01/2020 23:00:00 | 93 | 6162.5 | 885.0 | 242.19 | -642.81 | 10.43 | 0.00 | -2.903 | 0.000000 |
| Bambavde 132kV | 06/01/2020 23:15:00 | 94 | 6162.5 | 890.0 | 401.56 | -488.44 | 7.93 | 0.00 | 2.323 | 0.000000 |
| Bambavde 132kV | 06/01/2020 23:30:00 | 95 | 6162.5 | 887.5 | 525.0 | -362.5 | 5.88 | 0.00 | -3.222 | 0.000000 |
| Bambavde 132kV | 06/01/2020 23:45:00 | 96 | 6162.5 | 885.0 | 437.5 | -447.5 | 7.26 | 0.00 | 2.323 | 0.000000 |
| Bambavde 132kV | 07/01/2020 00:00:00 | 1 | 6162.5 | 830.0 | 353.12 | -476.88 | 7.74 | 0.00 | -0.549 | 0.000000 |
| Bambavde 132kV | 07/01/2020 00:15:00 | 2 | 6162.5 | 835.0 | 534.38 | -300.62 | 4.88 | 0.00 | -1.647 | 0.000000 |
| Bambavde 132kV | 07/01/2020 00:30:00 | 3 | 6162.5 | 837.5 | 726.56 | -110.94 | 1.8 | 0.00 | -3.073 | 0.000000 |
| Bambavde 132kV | 07/01/2020 00:45:00 | 4 | 6162.5 | 900.0 | 581.25 | -318.75 | 5.17 | 0.00 | -2.744 | 0.000000 |
| Bambavde 132kV | 07/01/2020 01:00:00 | 5 | 6162.5 | 850.0 | 484.38 | -365.62 | 5.93 | 0.00 | -4.058 | 0.000000 |
| Bambavde 132kV | 07/01/2020 01:15:00 | 6 | 6162.5 | 912.5 | 395.31 | -517.19 | 8.39 | 0.00 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bambavde 132kV | 07/01/2020 01:30:00 | 7 | 6162.5 | 662.5 | 370.31 | -292.19 | 4.74 | 0.00 | -3.401 | 0.000000 |
| Bambavde 132kV | 07/01/2020 01:45:00 | 8 | 6162.5 | 725.0 | 250.0 | -475.0 | 7.71 | 0.00 | 3.730 | 0.000000 |
| Bambavde 132kV | 07/01/2020 02:00:00 | 9 | 6162.5 | 760.0 | 620.31 | -139.69 | 2.27 | 0.00 | 3.073 | 30.411551 |
| Bambavde 132kV | 07/01/2020 02:15:00 | 10 | 6162.5 | 800.0 | 781.25 | -18.75 | 0.3 | 0.00 | 3.073 | 1.825310 |
| Bambavde 132kV | 07/01/2020 02:30:00 | 11 | 6162.5 | 842.5 | 626.56 | -215.94 | 3.5 | 0.00 | 3.401 | 29.402837 |
| Bambavde 132kV | 07/01/2020 02:45:00 | 12 | 6162.5 | 857.5 | 607.81 | -249.69 | 4.05 | 0.00 | 2.745 | 33.909492 |
| Bambavde 132kV | 07/01/2020 03:00:00 | 13 | 6162.5 | 860.0 | 773.44 | -86.56 | 1.4 | 0.00 | 1.647 | 0.000000 |
| Bambavde 132kV | 07/01/2020 03:15:00 | 14 | 6162.5 | 855.0 | 790.62 | -64.38 | 1.04 | 0.00 | 2.196 | 4.130153 |
| Bambavde 132kV | 07/01/2020 03:30:00 | 15 | 6162.5 | 732.5 | 710.94 | -21.56 | 0.35 | 0.00 | 1.647 | 1.840162 |
| Bambavde 132kV | 07/01/2020 03:45:00 | 16 | 6162.5 | 687.5 | 728.12 | 40.62 | 0.66 | 0.00 | 1.098 | 0.000000 |
| Bambavde 132kV | 07/01/2020 04:00:00 | 17 | 6162.5 | 725.0 | 840.62 | 115.62 | 1.88 | 0.00 | 1.647 | 0.000000 |
| Bambavde 132kV | 07/01/2020 04:15:00 | 18 | 6162.5 | 760.0 | 718.75 | -41.25 | 0.67 | 0.00 | 2.210 | 29.533281 |
| Bambavde 132kV | 07/01/2020 04:30:00 | 19 | 6162.5 | 800.0 | 754.69 | -45.31 | 0.74 | 0.00 | 3.730 | 45.808058 |
| Bambavde 132kV | 07/01/2020 04:45:00 | 20 | 6162.5 | 842.5 | 768.75 | -73.75 | 1.2 | 0.00 | -1.098 | 0.000000 |
| Bambavde 132kV | 07/01/2020 05:00:00 | 21 | 6162.5 | 912.5 | 851.56 | -60.94 | 0.99 | 0.00 | -2.744 | 0.000000 |
| Bambavde 132kV | 07/01/2020 05:15:00 | 22 | 6162.5 | 800.0 | 992.19 | 192.19 | 3.12 | 0.00 | 3.730 | 0.000000 |
| Bambavde 132kV | 07/01/2020 05:30:00 | 23 | 6162.5 | 742.5 | 720.31 | -22.19 | 0.36 | 0.00 | 3.073 | 25.609492 |
| Bambavde 132kV | 07/01/2020 05:45:00 | 24 | 6162.5 | 555.0 | 550.0 | -5.0 | 0.08 | 0.00 | 3.730 | 4.482814 |
| Bambavde 132kV | 07/01/2020 06:00:00 | 25 | 6162.5 | 597.5 | 400.0 | -197.5 | 3.2 | 0.00 | -5.372 | 0.000000 |
| Bambavde 132kV | 07/01/2020 06:15:00 | 26 | 6162.5 | 515.0 | 532.81 | 17.81 | 0.29 | 0.00 | 4.556 | 0.000000 |
| Bambavde 132kV | 07/01/2020 06:30:00 | 27 | 6162.5 | 555.0 | 701.56 | 146.56 | 2.38 | 0.00 | 7.148 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bambavde 132kV | 07/01/2020 06:45:00 | 28 | 6162.5 | 597.5 | 703.12 | 105.62 | 1.71 | 0.00 | 7.821 | 0.000000 |
| Bambavde 132kV | 07/01/2020 07:00:00 | 29 | 6162.5 | 667.5 | 575.0 | -92.5 | 1.5 | 0.00 | 5.372 | 245.813792 |
| Bambavde 132kV | 07/01/2020 07:15:00 | 30 | 6162.5 | 665.0 | 545.31 | -119.69 | 1.94 | 0.00 | 16.000 | 0.000000 |
| Bambavde 132kV | 07/01/2020 07:30:00 | 31 | 6162.5 | 617.5 | 595.31 | -22.19 | 0.36 | 0.00 | 9.296 | 0.000000 |
| Bambavde 132kV | 07/01/2020 07:45:00 | 32 | 6162.5 | 570.0 | 525.0 | -45.0 | 0.73 | 0.00 | 9.794 | 0.000000 |
| Bambavde 132kV | 07/01/2020 08:00:00 | 33 | 6162.5 | 525.0 | 551.56 | 26.56 | 0.43 | 0.00 | 3.593 | 0.000000 |
| Bambavde 132kV | 07/01/2020 08:15:00 | 34 | 6162.5 | 562.5 | 946.88 | 384.38 | 6.24 | 0.00 | 3.401 | 0.000000 |
| Bambavde 132kV | 07/01/2020 08:30:00 | 35 | 6162.5 | 597.5 | 759.38 | 161.88 | 2.63 | 0.00 | 3.245 | 0.000000 |
| Bambavde 132kV | 07/01/2020 08:45:00 | 36 | 6162.5 | 597.5 | 353.12 | -244.38 | 3.97 | 0.00 | 0.000 | 0.000000 |
| Bambavde 132kV | 07/01/2020 09:00:00 | 37 | 6162.5 | 715.0 | 296.88 | -418.12 | 6.78 | 0.00 | 2.745 | 0.000000 |
| Bambavde 132kV | 07/01/2020 09:15:00 | 38 | 6162.5 | 665.0 | 248.44 | -416.56 | 6.76 | 0.00 | 4.715 | 0.000000 |
| Bambavde 132kV | 07/01/2020 09:30:00 | 39 | 6162.5 | 617.5 | 218.75 | -398.75 | 6.47 | 0.00 | 3.981 | 0.000000 |
| Bambavde 132kV | 07/01/2020 09:45:00 | 40 | 6162.5 | 620.0 | 214.06 | -405.94 | 6.59 | 0.00 | 3.730 | 0.000000 |
| Bambavde 132kV | 07/01/2020 10:00:00 | 41 | 6162.5 | 600.0 | 137.5 | -462.5 | 7.51 | 0.00 | 1.780 | 0.000000 |
| Bambavde 132kV | 07/01/2020 10:15:00 | 42 | 6162.5 | 562.5 | 54.69 | -507.81 | 8.24 | 0.00 | 5.643 | 0.000000 |
| Bambavde 132kV | 07/01/2020 10:30:00 | 43 | 6162.5 | 760.0 | 25.0 | -735.0 | 11.93 | 0.00 | 4.976 | 0.000000 |
| Bambavde 132kV | 07/01/2020 10:45:00 | 44 | 6162.5 | 800.0 | 7.81 | -792.19 | 12.86 | 0.00 | 4.415 | 0.000000 |
| Bambavde 132kV | 07/01/2020 11:00:00 | 45 | 6162.5 | 842.5 | 7.81 | -834.69 | 13.54 | 0.00 | 4.476 | 0.000000 |
| Bambavde 132kV | 07/01/2020 11:15:00 | 46 | 6162.5 | 912.5 | 42.19 | -870.31 | 14.12 | 0.00 | 4.826 | 0.000000 |
| Bambavde 132kV | 07/01/2020 11:30:00 | 47 | 6162.5 | 800.0 | 23.44 | -776.56 | 12.6 | 0.00 | 2.289 | 0.000000 |
| Bambavde 132kV | 07/01/2020 11:45:00 | 48 | 6162.5 | 842.5 | 23.44 | -819.06 | 13.29 | 0.00 | -0.549 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bambavde 132kV | 07/01/2020 12:00:00 | 49 | 6162.5 | 912.5 | 7.81 | -904.69 | 14.68 | 0.00 | 4.727 | 0.000000 |
| Bambavde 132kV | 07/01/2020 12:15:00 | 50 | 6162.5 | 877.5 | 0.0 | -877.5 | 14.24 | 0.00 | 4.777 | 0.000000 |
| Bambavde 132kV | 07/01/2020 12:30:00 | 51 | 6162.5 | 827.5 | 0.0 | -827.5 | 13.43 | 0.00 | 4.798 | 0.000000 |
| Bambavde 132kV | 07/01/2020 12:45:00 | 52 | 6162.5 | 780.0 | 0.0 | -780.0 | 12.66 | 0.00 | -3.401 | 0.000000 |
| Bambavde 132kV | 07/01/2020 13:00:00 | 53 | 6162.5 | 732.5 | 0.0 | -732.5 | 11.89 | 0.00 | -2.431 | 0.000000 |
| Bambavde 132kV | 07/01/2020 13:15:00 | 54 | 6162.5 | 760.0 | 0.0 | -760.0 | 12.33 | 0.00 | -4.387 | 0.000000 |
| Bambavde 132kV | 07/01/2020 13:30:00 | 55 | 6162.5 | 800.0 | 0.0 | -800.0 | 12.98 | 0.00 | -3.401 | 0.000000 |
| Bambavde 132kV | 07/01/2020 13:45:00 | 56 | 6162.5 | 842.5 | 0.0 | -842.5 | 13.67 | 0.00 | -5.044 | 0.000000 |
| Bambavde 132kV | 07/01/2020 14:00:00 | 57 | 6162.5 | 912.5 | 0.0 | -912.5 | 14.81 | 0.00 | 4.215 | 0.000000 |
| Bambavde 132kV | 07/01/2020 14:15:00 | 58 | 6162.5 | 877.5 | 0.0 | -877.5 | 14.24 | 0.00 | 9.552 | 0.000000 |
| Bambavde 132kV | 07/01/2020 14:30:00 | 59 | 6162.5 | 827.5 | 0.0 | -827.5 | 13.43 | 0.00 | 6.358 | 0.000000 |
| Bambavde 132kV | 07/01/2020 14:45:00 | 60 | 6162.5 | 780.0 | 0.0 | -780.0 | 12.66 | 0.00 | 2.744 | 0.000000 |
| Bambavde 132kV | 07/01/2020 15:00:00 | 61 | 6162.5 | 732.5 | 0.0 | -732.5 | 11.89 | 0.00 | -3.073 | 0.000000 |
| Bambavde 132kV | 07/01/2020 15:15:00 | 62 | 6162.5 | 687.5 | 3.12 | -684.38 | 11.11 | 0.00 | -4.058 | 0.000000 |
| Bambavde 132kV | 07/01/2020 15:30:00 | 63 | 6162.5 | 725.0 | 3.12 | -721.88 | 11.71 | 0.00 | -4.831 | 0.000000 |
| Bambavde 132kV | 07/01/2020 15:45:00 | 64 | 6162.5 | 760.0 | 139.06 | -620.94 | 10.08 | 0.00 | -5.372 | 0.000000 |
| Bambavde 132kV | 07/01/2020 16:00:00 | 65 | 6162.5 | 800.0 | 256.25 | -543.75 | 8.82 | 0.00 | 2.196 | 0.000000 |
| Bambavde 132kV | 07/01/2020 16:15:00 | 66 | 6162.5 | 842.5 | 132.81 | -709.69 | 11.52 | 0.00 | -3.401 | 0.000000 |
| Bambavde 132kV | 07/01/2020 16:30:00 | 67 | 6162.5 | 912.5 | 620.31 | -292.19 | 4.74 | 0.00 | 4.738 | 0.000000 |
| Bambavde 132kV | 07/01/2020 16:45:00 | 68 | 6162.5 | 800.0 | 957.81 | 157.81 | 2.56 | 0.00 | 7.343 | 0.000000 |
| Bambavde 132kV | 07/01/2020 17:00:00 | 69 | 6162.5 | 842.5 | 935.94 | 93.44 | 1.52 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bambavde 132kV | 07/01/2020 17:15:00 | 70 | 6162.5 | 912.5 | 1129.69 | 217.19 | 3.52 | 0.00 | 2.744 | 0.000000 |
| Bambavde 132kV | 07/01/2020 17:30:00 | 71 | 6162.5 | 877.5 | 1001.56 | 124.06 | 2.01 | 0.00 | 3.401 | 0.000000 |
| Bambavde 132kV | 07/01/2020 17:45:00 | 72 | 6162.5 | 827.5 | 973.44 | 145.94 | 2.37 | 0.00 | -2.745 | 0.000000 |
| Bambavde 132kV | 07/01/2020 18:00:00 | 73 | 6162.5 | 780.0 | 1132.81 | 352.81 | 5.73 | 0.00 | -3.073 | 0.000000 |
| Bambavde 132kV | 07/01/2020 18:15:00 | 74 | 6162.5 | 732.5 | 968.75 | 236.25 | 3.83 | 0.00 | -5.372 | 0.000000 |
| Bambavde 132kV | 07/01/2020 18:30:00 | 75 | 6162.5 | 687.5 | 954.69 | 267.19 | 4.34 | 0.00 | 3.401 | 0.000000 |
| Bambavde 132kV | 07/01/2020 18:45:00 | 76 | 6162.5 | 725.0 | 987.5 | 262.5 | 4.26 | 0.00 | -3.401 | 0.000000 |
| Bambavde 132kV | 07/01/2020 19:00:00 | 77 | 6162.5 | 760.0 | 998.44 | 238.44 | 3.87 | 0.00 | -3.730 | 0.000000 |
| Bambavde 132kV | 07/01/2020 19:15:00 | 78 | 6162.5 | 800.0 | 948.44 | 148.44 | 2.41 | 0.00 | -4.715 | 0.000000 |
| Bambavde 132kV | 07/01/2020 19:30:00 | 79 | 6162.5 | 890.0 | 1098.44 | 208.44 | 3.38 | 0.00 | -4.058 | 0.000000 |
| Bambavde 132kV | 07/01/2020 19:45:00 | 80 | 6162.5 | 887.5 | 906.25 | 18.75 | 0.3 | 0.00 | -2.210 | 0.000000 |
| Bambavde 132kV | 07/01/2020 20:00:00 | 81 | 6162.5 | 885.0 | 918.75 | 33.75 | 0.55 | 0.00 | -2.348 | 0.000000 |
| Bambavde 132kV | 07/01/2020 20:15:00 | 82 | 6162.5 | 890.0 | 806.25 | -83.75 | 1.36 | 0.00 | 4.387 | 130.704686 |
| Bambavde 132kV | 07/01/2020 20:30:00 | 83 | 6162.5 | 887.5 | 589.06 | -298.44 | 4.84 | 0.00 | 3.816 | 609.023145 |
| Bambavde 132kV | 07/01/2020 20:45:00 | 84 | 6162.5 | 885.0 | 500.0 | -385.0 | 6.25 | 0.00 | 3.401 | 189.164341 |
| Bambavde 132kV | 07/01/2020 21:00:00 | 85 | 6162.5 | 890.0 | 506.25 | -383.75 | 6.23 | 0.00 | -4.058 | 0.000000 |
| Bambavde 132kV | 07/01/2020 21:15:00 | 86 | 6162.5 | 887.5 | 406.25 | -481.25 | 7.81 | 0.00 | 1.647 | 255.079368 |
| Bambavde 132kV | 07/01/2020 21:30:00 | 87 | 6162.5 | 885.0 | 410.94 | -474.06 | 7.69 | 0.00 | 2.196 | 151.170148 |
| Bambavde 132kV | 07/01/2020 21:45:00 | 88 | 6162.5 | 890.0 | 459.38 | -430.62 | 6.99 | 0.00 | -2.196 | 0.000000 |
| Bambavde 132kV | 07/01/2020 22:00:00 | 89 | 6162.5 | 887.5 | 545.31 | -342.19 | 5.55 | 0.00 | -3.257 | 0.000000 |
| Bambavde 132kV | 07/01/2020 22:15:00 | 90 | 6162.5 | 885.0 | 579.69 | -305.31 | 4.95 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bambavde 132kV | 07/01/2020 22:30:00 | 91 | 6162.5 | 890.0 | 445.31 | -444.69 | 7.22 | 0.00 | -1.098 | 0.000000 |
| Bambavde 132kV | 07/01/2020 22:45:00 | 92 | 6162.5 | 887.5 | 343.75 | -543.75 | 8.82 | 0.00 | -1.647 | 0.000000 |
| Bambavde 132kV | 07/01/2020 23:00:00 | 93 | 6162.5 | 885.0 | 306.25 | -578.75 | 9.39 | 0.00 | -3.401 | 0.000000 |
| Bambavde 132kV | 07/01/2020 23:15:00 | 94 | 6162.5 | 890.0 | 204.69 | -685.31 | 11.12 | 0.00 | 1.647 | 0.000000 |
| Bambavde 132kV | 07/01/2020 23:30:00 | 95 | 6162.5 | 887.5 | 100.0 | -787.5 | 12.78 | 0.00 | -2.196 | 0.000000 |
| Bambavde 132kV | 07/01/2020 23:45:00 | 96 | 6162.5 | 885.0 | 53.12 | -831.88 | 13.5 | 0.00 | -0.549 | 0.000000 |
| Bambavde 132kV | 08/01/2020 00:00:00 | 1 | 6162.5 | 905.0 | 139.06 | -765.94 | 12.43 | 0.00 | -2.220 | 0.000000 |
| Bambavde 132kV | 08/01/2020 00:15:00 | 2 | 6162.5 | 910.0 | 167.19 | -742.81 | 12.05 | 0.00 | -3.101 | 0.000000 |
| Bambavde 132kV | 08/01/2020 00:30:00 | 3 | 6162.5 | 912.5 | 184.38 | -728.12 | 11.82 | 0.00 | -3.101 | 0.000000 |
| Bambavde 132kV | 08/01/2020 00:45:00 | 4 | 6162.5 | 975.0 | 190.62 | -784.38 | 12.73 | 0.00 | -2.424 | 0.000000 |
| Bambavde 132kV | 08/01/2020 01:00:00 | 5 | 6162.5 | 925.0 | 140.62 | -784.38 | 12.73 | 0.00 | -2.170 | 0.000000 |
| Bambavde 132kV | 08/01/2020 01:15:00 | 6 | 6162.5 | 987.5 | 171.88 | -815.62 | 13.24 | 0.00 | -1.761 | 0.000000 |
| Bambavde 132kV | 08/01/2020 01:30:00 | 7 | 6162.5 | 737.5 | 139.06 | -598.44 | 9.71 | 0.00 | -1.665 | 0.000000 |
| Bambavde 132kV | 08/01/2020 01:45:00 | 8 | 6162.5 | 800.0 | 92.19 | -707.81 | 11.49 | 0.00 | -1.665 | 0.000000 |
| Bambavde 132kV | 08/01/2020 02:00:00 | 9 | 6162.5 | 835.0 | 62.5 | -772.5 | 12.54 | 0.00 | -1.110 | 0.000000 |
| Bambavde 132kV | 08/01/2020 02:15:00 | 10 | 6162.5 | 875.0 | 34.38 | -840.62 | 13.64 | 0.00 | -1.347 | 0.000000 |
| Bambavde 132kV | 08/01/2020 02:30:00 | 11 | 6162.5 | 917.5 | 25.0 | -892.5 | 14.48 | 0.00 | -3.101 | 0.000000 |
| Bambavde 132kV | 08/01/2020 02:45:00 | 12 | 6162.5 | 932.5 | 3.12 | -929.38 | 15.08 | 2.50 | -2.220 | 0.000000 |
| Bambavde 132kV | 08/01/2020 03:00:00 | 13 | 6162.5 | 860.0 | 81.25 | -778.75 | 12.64 | 0.00 | -3.428 | 0.000000 |
| Bambavde 132kV | 08/01/2020 03:15:00 | 14 | 6162.5 | 855.0 | 37.5 | -817.5 | 13.27 | 0.00 | -2.220 | 0.000000 |
| Bambavde 132kV | 08/01/2020 03:30:00 | 15 | 6162.5 | 732.5 | 0.0 | -732.5 | 11.89 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bambavde 132kV | 08/01/2020 03:45:00 | 16 | 6162.5 | 687.5 | 0.0 | -687.5 | 11.16 | 0.00 | -2.775 | 0.000000 |
| Bambavde 132kV | 08/01/2020 04:00:00 | 17 | 6162.5 | 725.0 | 0.0 | -725.0 | 11.76 | 0.00 | -3.101 | 0.000000 |
| Bambavde 132kV | 08/01/2020 04:15:00 | 18 | 6162.5 | 760.0 | 21.88 | -738.12 | 11.98 | 0.00 | -1.665 | 0.000000 |
| Bambavde 132kV | 08/01/2020 04:30:00 | 19 | 6162.5 | 800.0 | 0.0 | -800.0 | 12.98 | 0.00 | -2.220 | 0.000000 |
| Bambavde 132kV | 08/01/2020 04:45:00 | 20 | 6162.5 | 842.5 | 39.06 | -803.44 | 13.04 | 0.00 | -2.775 | 0.000000 |
| Bambavde 132kV | 08/01/2020 05:00:00 | 21 | 6162.5 | 912.5 | 65.62 | -846.88 | 13.74 | 0.00 | -1.110 | 0.000000 |
| Bambavde 132kV | 08/01/2020 05:15:00 | 22 | 6162.5 | 800.0 | 90.62 | -709.38 | 11.51 | 0.00 | 2.775 | 34.183645 |
| Bambavde 132kV | 08/01/2020 05:30:00 | 23 | 6162.5 | 742.5 | 125.0 | -617.5 | 10.02 | 0.00 | -3.428 | 0.000000 |
| Bambavde 132kV | 08/01/2020 05:45:00 | 24 | 6162.5 | 555.0 | 126.56 | -428.44 | 6.95 | 0.00 | -2.775 | 0.000000 |
| Bambavde 132kV | 08/01/2020 06:00:00 | 25 | 6162.5 | 597.5 | 81.25 | -516.25 | 8.38 | 0.00 | -2.220 | 0.000000 |
| Bambavde 132kV | 08/01/2020 06:15:00 | 26 | 6162.5 | 515.0 | 92.19 | -422.81 | 6.86 | 0.00 | 2.220 | 86.568201 |
| Bambavde 132kV | 08/01/2020 06:30:00 | 27 | 6162.5 | 555.0 | 90.62 | -464.38 | 7.54 | 0.00 | 5.387 | 835.866386 |
| Bambavde 132kV | 08/01/2020 06:45:00 | 28 | 6162.5 | 597.5 | 165.62 | -431.88 | 7.01 | 0.00 | -4.734 | 0.000000 |
| Bambavde 132kV | 08/01/2020 07:00:00 | 29 | 6162.5 | 667.5 | 240.62 | -426.88 | 6.93 | 0.00 | -4.407 | 0.000000 |
| Bambavde 132kV | 08/01/2020 07:15:00 | 30 | 6162.5 | 665.0 | 185.94 | -479.06 | 7.77 | 0.00 | 5.061 | 844.383365 |
| Bambavde 132kV | 08/01/2020 07:30:00 | 31 | 6162.5 | 617.5 | 129.69 | -487.81 | 7.92 | 0.00 | 5.714 | 822.691705 |
| Bambavde 132kV | 08/01/2020 07:45:00 | 32 | 6162.5 | 570.0 | 87.5 | -482.5 | 7.83 | 0.00 | 5.061 | 319.914079 |
| Bambavde 132kV | 08/01/2020 08:00:00 | 33 | 6162.5 | 525.0 | 64.06 | -460.94 | 7.48 | 0.00 | 2.775 | 0.000000 |
| Bambavde 132kV | 08/01/2020 08:15:00 | 34 | 6162.5 | 562.5 | 54.69 | -507.81 | 8.24 | 0.00 | 2.775 | 0.000000 |
| Bambavde 132kV | 08/01/2020 08:30:00 | 35 | 6162.5 | 597.5 | 43.75 | -553.75 | 8.99 | 0.00 | 5.387 | 0.000000 |
| Bambavde 132kV | 08/01/2020 08:45:00 | 36 | 6162.5 | 597.5 | 4.69 | -592.81 | 9.62 | 0.00 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bambavde 132kV | 08/01/2020 09:00:00 | 37 | 6162.5 | 715.0 | 0.0 | -715.0 | 11.6 | 0.00 | 7.673 | 0.000000 |
| Bambavde 132kV | 08/01/2020 09:15:00 | 38 | 6162.5 | 665.0 | 0.0 | -665.0 | 10.79 | 0.00 | 7.673 | 0.000000 |
| Bambavde 132kV | 08/01/2020 09:30:00 | 39 | 6162.5 | 617.5 | 0.0 | -617.5 | 10.02 | 0.00 | 3.101 | 0.000000 |
| Bambavde 132kV | 08/01/2020 09:45:00 | 40 | 6162.5 | 620.0 | 0.0 | -620.0 | 10.06 | 0.00 | -3.101 | 0.000000 |
| Bambavde 132kV | 08/01/2020 10:00:00 | 41 | 6162.5 | 600.0 | 0.0 | -600.0 | 9.74 | 0.00 | -3.101 | 0.000000 |
| Bambavde 132kV | 08/01/2020 10:15:00 | 42 | 6162.5 | 562.5 | 0.0 | -562.5 | 9.13 | 0.00 | -3.101 | 0.000000 |
| Bambavde 132kV | 08/01/2020 10:30:00 | 43 | 6162.5 | 760.0 | 9.38 | -750.62 | 12.18 | 0.00 | -1.665 | 0.000000 |
| Bambavde 132kV | 08/01/2020 10:45:00 | 44 | 6162.5 | 800.0 | 79.69 | -720.31 | 11.69 | 0.00 | 0.000 | 0.000000 |
| Bambavde 132kV | 08/01/2020 11:00:00 | 45 | 6162.5 | 842.5 | 148.44 | -694.06 | 11.26 | 0.00 | -1.486 | 0.000000 |
| Bambavde 132kV | 08/01/2020 11:15:00 | 46 | 6162.5 | 912.5 | 48.44 | -864.06 | 14.02 | 0.00 | -1.305 | 0.000000 |
| Bambavde 132kV | 08/01/2020 11:30:00 | 47 | 6162.5 | 800.0 | 154.69 | -645.31 | 10.47 | 0.00 | -2.425 | 0.000000 |
| Bambavde 132kV | 08/01/2020 11:45:00 | 48 | 6162.5 | 842.5 | 250.0 | -592.5 | 9.61 | 0.00 | -2.775 | 0.000000 |
| Bambavde 132kV | 08/01/2020 12:00:00 | 49 | 6162.5 | 912.5 | 296.88 | -615.62 | 9.99 | 0.00 | -2.083 | 0.000000 |
| Bambavde 132kV | 08/01/2020 12:15:00 | 50 | 6162.5 | 877.5 | 231.25 | -646.25 | 10.49 | 0.00 | -3.242 | 0.000000 |
| Bambavde 132kV | 08/01/2020 12:30:00 | 51 | 6162.5 | 827.5 | 64.06 | -763.44 | 12.39 | 0.00 | -1.330 | 0.000000 |
| Bambavde 132kV | 08/01/2020 12:45:00 | 52 | 6162.5 | 780.0 | 62.5 | -717.5 | 11.64 | 0.00 | -0.830 | 0.000000 |
| Bambavde 132kV | 08/01/2020 13:00:00 | 53 | 6162.5 | 732.5 | 54.69 | -677.81 | 11.0 | 0.00 | 2.775 | 0.000000 |
| Bambavde 132kV | 08/01/2020 13:15:00 | 54 | 6162.5 | 760.0 | 159.38 | -600.62 | 9.75 | 0.00 | 0.000 | 0.000000 |
| Bambavde 132kV | 08/01/2020 13:30:00 | 55 | 6162.5 | 800.0 | 523.44 | -276.56 | 4.49 | 0.00 | -1.012 | 0.000000 |
| Bambavde 132kV | 08/01/2020 13:45:00 | 56 | 6162.5 | 842.5 | 556.25 | -286.25 | 4.65 | 0.00 | -1.087 | 0.000000 |
| Bambavde 132kV | 08/01/2020 14:00:00 | 57 | 6162.5 | 912.5 | 553.12 | -359.38 | 5.83 | 0.00 | -3.101 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bambavde 132kV | 08/01/2020 14:15:00 | 58 | 6162.5 | 877.5 | 520.31 | -357.19 | 5.8 | 0.00 | -4.081 | 0.000000 |
| Bambavde 132kV | 08/01/2020 14:30:00 | 59 | 6162.5 | 827.5 | 684.38 | -143.12 | 2.32 | 0.00 | -2.996 | 0.000000 |
| Bambavde 132kV | 08/01/2020 14:45:00 | 60 | 6162.5 | 780.0 | 748.44 | -31.56 | 0.51 | 0.00 | -3.101 | 0.000000 |
| Bambavde 132kV | 08/01/2020 15:00:00 | 61 | 6162.5 | 732.5 | 673.44 | -59.06 | 0.96 | 0.00 | -1.879 | 0.000000 |
| Bambavde 132kV | 08/01/2020 15:15:00 | 62 | 6162.5 | 687.5 | 773.44 | 85.94 | 1.39 | 0.00 | -4.081 | -3.023072 |
| Bambavde 132kV | 08/01/2020 15:30:00 | 63 | 6162.5 | 725.0 | 1096.88 | 371.88 | 6.03 | 0.00 | 4.938 | 0.000000 |
| Bambavde 132kV | 08/01/2020 15:45:00 | 64 | 6162.5 | 760.0 | 868.75 | 108.75 | 1.76 | 0.00 | 4.719 | 0.000000 |
| Bambavde 132kV | 08/01/2020 16:00:00 | 65 | 6162.5 | 800.0 | 1028.12 | 228.12 | 3.7 | 0.00 | 0.555 | 0.000000 |
| Bambavde 132kV | 08/01/2020 16:15:00 | 66 | 6162.5 | 842.5 | 834.38 | -8.12 | 0.13 | 0.00 | -4.081 | 0.000000 |
| Bambavde 132kV | 08/01/2020 16:30:00 | 67 | 6162.5 | 912.5 | 768.75 | -143.75 | 2.33 | 0.00 | -3.754 | 0.000000 |
| Bambavde 132kV | 08/01/2020 16:45:00 | 68 | 6162.5 | 800.0 | 953.12 | 153.12 | 2.48 | 0.00 | -8.000 | 0.000000 |
| Bambavde 132kV | 08/01/2020 17:00:00 | 69 | 6162.5 | 842.5 | 720.31 | -122.19 | 1.98 | 0.00 | 0.000 | 0.000000 |
| Bambavde 132kV | 08/01/2020 17:15:00 | 70 | 6162.5 | 912.5 | 610.94 | -301.56 | 4.89 | 0.00 | 4.081 | 57.846851 |
| Bambavde 132kV | 08/01/2020 17:30:00 | 71 | 6162.5 | 877.5 | 648.44 | -229.06 | 3.72 | 0.00 | -5.387 | 0.000000 |
| Bambavde 132kV | 08/01/2020 17:45:00 | 72 | 6162.5 | 827.5 | 734.38 | -93.12 | 1.51 | 0.00 | -3.101 | 0.000000 |
| Bambavde 132kV | 08/01/2020 18:00:00 | 73 | 6162.5 | 780.0 | 617.19 | -162.81 | 2.64 | 0.00 | -2.775 | 0.000000 |
| Bambavde 132kV | 08/01/2020 18:15:00 | 74 | 6162.5 | 732.5 | 459.38 | -273.12 | 4.43 | 0.00 | -3.101 | 0.000000 |
| Bambavde 132kV | 08/01/2020 18:30:00 | 75 | 6162.5 | 687.5 | 645.31 | -42.19 | 0.68 | 0.00 | -2.220 | 0.000000 |
| Bambavde 132kV | 08/01/2020 18:45:00 | 76 | 6162.5 | 725.0 | 659.38 | -65.62 | 1.06 | 0.00 | 2.220 | 51.726598 |
| Bambavde 132kV | 08/01/2020 19:00:00 | 77 | 6162.5 | 760.0 | 429.69 | -330.31 | 5.36 | 0.00 | 1.110 | 0.000000 |
| Bambavde 132kV | 08/01/2020 19:15:00 | 78 | 6162.5 | 800.0 | 457.81 | -342.19 | 5.55 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bambavde 132kV | 08/01/2020 19:30:00 | 79 | 6162.5 | 890.0 | 510.94 | -379.06 | 6.15 | 0.00 | -2.220 | 0.000000 |
| Bambavde 132kV | 08/01/2020 19:45:00 | 80 | 6162.5 | 887.5 | 562.5 | -325.0 | 5.27 | 0.00 | -0.555 | 0.000000 |
| Bambavde 132kV | 08/01/2020 20:00:00 | 81 | 6162.5 | 885.0 | 268.75 | -616.25 | 10.0 | 0.00 | 2.775 | 0.000000 |
| Bambavde 132kV | 08/01/2020 20:15:00 | 82 | 6162.5 | 890.0 | 187.5 | -702.5 | 11.4 | 0.00 | 3.101 | 1174.637187 |
| Bambavde 132kV | 08/01/2020 20:30:00 | 83 | 6162.5 | 887.5 | 215.62 | -671.88 | 10.9 | 0.00 | 4.408 | 1521.948460 |
| Bambavde 132kV | 08/01/2020 20:45:00 | 84 | 6162.5 | 885.0 | 270.31 | -614.69 | 9.97 | 0.00 | 3.101 | 402.253079 |
| Bambavde 132kV | 08/01/2020 21:00:00 | 85 | 6162.5 | 890.0 | 115.62 | -774.38 | 12.57 | 0.00 | 3.101 | 0.000000 |
| Bambavde 132kV | 08/01/2020 21:15:00 | 86 | 6162.5 | 887.5 | 135.94 | -751.56 | 12.2 | 0.00 | -0.555 | 0.000000 |
| Bambavde 132kV | 08/01/2020 21:30:00 | 87 | 6162.5 | 885.0 | 73.44 | -811.56 | 13.17 | 0.00 | -1.110 | 0.000000 |
| Bambavde 132kV | 08/01/2020 21:45:00 | 88 | 6162.5 | 890.0 | 14.06 | -875.94 | 14.21 | 0.00 | -1.110 | 0.000000 |
| Bambavde 132kV | 08/01/2020 22:00:00 | 89 | 6162.5 | 887.5 | 23.44 | -864.06 | 14.02 | 0.00 | -2.489 | 0.000000 |
| Bambavde 132kV | 08/01/2020 22:15:00 | 90 | 6162.5 | 885.0 | 6.25 | -878.75 | 14.26 | 0.00 | -2.775 | 0.000000 |
| Bambavde 132kV | 08/01/2020 22:30:00 | 91 | 6162.5 | 890.0 | 123.44 | -766.56 | 12.44 | 0.00 | -2.223 | 0.000000 |
| Bambavde 132kV | 08/01/2020 22:45:00 | 92 | 6162.5 | 887.5 | 209.38 | -678.12 | 11.0 | 0.00 | 1.110 | 0.000000 |
| Bambavde 132kV | 08/01/2020 23:00:00 | 93 | 6162.5 | 885.0 | 226.56 | -658.44 | 10.68 | 0.00 | 1.110 | 70.295710 |
| Bambavde 132kV | 08/01/2020 23:15:00 | 94 | 6162.5 | 890.0 | 318.75 | -571.25 | 9.27 | 0.00 | 1.110 | 0.000000 |
| Bambavde 132kV | 08/01/2020 23:30:00 | 95 | 6162.5 | 887.5 | 317.19 | -570.31 | 9.25 | 0.00 | 2.775 | 5.184414 |
| Bambavde 132kV | 08/01/2020 23:45:00 | 96 | 6162.5 | 885.0 | 145.31 | -739.69 | 12.0 | 0.00 | 0.000 | 0.000000 |
| Bambavde 132kV | 09/01/2020 00:00:00 | 1 | 6162.5 | 855.0 | 370.31 | -484.69 | 7.87 | 0.00 | -0.576 | 0.000000 |
| Bambavde 132kV | 09/01/2020 00:15:00 | 2 | 6162.5 | 860.0 | 540.62 | -319.38 | 5.18 | 0.00 | -1.727 | 0.000000 |
| Bambavde 132kV | 09/01/2020 00:30:00 | 3 | 6162.5 | 862.5 | 346.88 | -515.62 | 8.37 | 0.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bambavde 132kV | 09/01/2020 00:45:00 | 4 | 6162.5 | 925.0 | 212.5 | -712.5 | 11.56 | 0.00 | -2.879 | 0.000000 |
| Bambavde 132kV | 09/01/2020 01:00:00 | 5 | 6162.5 | 875.0 | 228.12 | -646.88 | 10.5 | 0.00 | -3.519 | 0.000000 |
| Bambavde 132kV | 09/01/2020 01:15:00 | 6 | 6162.5 | 937.5 | 240.62 | -696.88 | 11.31 | 0.00 | -3.519 | 0.000000 |
| Bambavde 132kV | 09/01/2020 01:30:00 | 7 | 6162.5 | 687.5 | 267.19 | -420.31 | 6.82 | 0.00 | -3.199 | 0.000000 |
| Bambavde 132kV | 09/01/2020 01:45:00 | 8 | 6162.5 | 750.0 | 285.94 | -464.06 | 7.53 | 0.00 | 3.519 | 112.760782 |
| Bambavde 132kV | 09/01/2020 02:00:00 | 9 | 6162.5 | 785.0 | 190.62 | -594.38 | 9.65 | 0.00 | 3.519 | 654.357606 |
| Bambavde 132kV | 09/01/2020 02:15:00 | 10 | 6162.5 | 825.0 | 125.0 | -700.0 | 11.36 | 0.00 | 2.879 | 337.986111 |
| Bambavde 132kV | 09/01/2020 02:30:00 | 11 | 6162.5 | 867.5 | 78.12 | -789.38 | 12.81 | 0.00 | 3.199 | 548.372205 |
| Bambavde 132kV | 09/01/2020 02:45:00 | 12 | 6162.5 | 882.5 | 20.31 | -862.19 | 13.99 | 0.00 | 1.152 | 0.000000 |
| Bambavde 132kV | 09/01/2020 03:00:00 | 13 | 6162.5 | 810.0 | 26.56 | -783.44 | 12.71 | 0.00 | -2.879 | 0.000000 |
| Bambavde 132kV | 09/01/2020 03:15:00 | 14 | 6162.5 | 805.0 | 26.56 | -778.44 | 12.63 | 0.00 | -3.839 | 0.000000 |
| Bambavde 132kV | 09/01/2020 03:30:00 | 15 | 6162.5 | 682.5 | 65.62 | -616.88 | 10.01 | 0.00 | 3.199 | 0.000000 |
| Bambavde 132kV | 09/01/2020 03:45:00 | 16 | 6162.5 | 637.5 | 34.38 | -603.12 | 9.79 | 0.00 | 0.000 | 0.000000 |
| Bambavde 132kV | 09/01/2020 04:00:00 | 17 | 6162.5 | 675.0 | 7.81 | -667.19 | 10.83 | 0.00 | 1.727 | 0.000000 |
| Bambavde 132kV | 09/01/2020 04:15:00 | 18 | 6162.5 | 710.0 | 26.56 | -683.44 | 11.09 | 0.00 | 1.727 | 0.000000 |
| Bambavde 132kV | 09/01/2020 04:30:00 | 19 | 6162.5 | 750.0 | 28.12 | -721.88 | 11.71 | 0.00 | 1.727 | 0.000000 |
| Bambavde 132kV | 09/01/2020 04:45:00 | 20 | 6162.5 | 792.5 | 18.75 | -773.75 | 12.56 | 0.00 | 2.879 | 666.825515 |
| Bambavde 132kV | 09/01/2020 05:00:00 | 21 | 6162.5 | 862.5 | 106.25 | -756.25 | 12.27 | 0.00 | 3.839 | 377.503931 |
| Bambavde 132kV | 09/01/2020 05:15:00 | 22 | 6162.5 | 750.0 | 75.0 | -675.0 | 10.95 | 0.00 | 5.119 | 952.764300 |
| Bambavde 132kV | 09/01/2020 05:30:00 | 23 | 6162.5 | 692.5 | 75.0 | -617.5 | 10.02 | 0.00 | 4.064 | 1588.459552 |
| Bambavde 132kV | 09/01/2020 05:45:00 | 24 | 6162.5 | 505.0 | 70.31 | -434.69 | 7.05 | 0.00 | 1.152 | 3.066669 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bambavde 132kV | 09/01/2020 06:00:00 | 25 | 6162.5 | 547.5 | 14.06 | -533.44 | 8.66 | 0.00 | -2.303 | 0.000000 |
| Bambavde 132kV | 09/01/2020 06:15:00 | 26 | 6162.5 | 465.0 | 0.0 | -465.0 | 7.55 | 0.00 | 2.303 | 309.294300 |
| Bambavde 132kV | 09/01/2020 06:30:00 | 27 | 6162.5 | 505.0 | 0.0 | -505.0 | 8.19 | 0.00 | -3.839 | 0.000000 |
| Bambavde 132kV | 09/01/2020 06:45:00 | 28 | 6162.5 | 547.5 | 0.0 | -547.5 | 8.88 | 0.00 | -2.879 | 0.000000 |
| Bambavde 132kV | 09/01/2020 07:00:00 | 29 | 6162.5 | 617.5 | 0.0 | -617.5 | 10.02 | 0.00 | -2.879 | 0.000000 |
| Bambavde 132kV | 09/01/2020 07:15:00 | 30 | 6162.5 | 615.0 | 0.0 | -615.0 | 9.98 | 0.00 | 6.400 | 305.966643 |
| Bambavde 132kV | 09/01/2020 07:30:00 | 31 | 6162.5 | 567.5 | 0.0 | -567.5 | 9.21 | 0.00 | 1.172 | 0.000000 |
| Bambavde 132kV | 09/01/2020 07:45:00 | 32 | 6162.5 | 520.0 | 0.0 | -520.0 | 8.44 | 0.00 | 0.576 | 0.000000 |
| Bambavde 132kV | 09/01/2020 08:00:00 | 33 | 6162.5 | 475.0 | 0.0 | -475.0 | 7.71 | 0.00 | -0.576 | 0.000000 |
| Bambavde 132kV | 09/01/2020 08:15:00 | 34 | 6162.5 | 512.5 | 32.81 | -479.69 | 7.78 | 0.00 | -1.152 | 0.000000 |
| Bambavde 132kV | 09/01/2020 08:30:00 | 35 | 6162.5 | 547.5 | 35.94 | -511.56 | 8.3 | 0.00 | 0.576 | 0.000000 |
| Bambavde 132kV | 09/01/2020 08:45:00 | 36 | 6162.5 | 547.5 | 3.12 | -544.38 | 8.83 | 0.00 | 0.000 | 0.000000 |
| Bambavde 132kV | 09/01/2020 09:00:00 | 37 | 6162.5 | 665.0 | 0.0 | -665.0 | 10.79 | 0.00 | 1.152 | 0.000000 |
| Bambavde 132kV | 09/01/2020 09:15:00 | 38 | 6162.5 | 615.0 | 0.0 | -615.0 | 9.98 | 0.00 | 1.727 | 0.000000 |
| Bambavde 132kV | 09/01/2020 09:30:00 | 39 | 6162.5 | 567.5 | 0.0 | -567.5 | 9.21 | 0.00 | -3.839 | 0.000000 |
| Bambavde 132kV | 09/01/2020 09:45:00 | 40 | 6162.5 | 570.0 | 0.0 | -570.0 | 9.25 | 0.00 | -1.152 | 0.000000 |
| Bambavde 132kV | 09/01/2020 10:00:00 | 41 | 6162.5 | 550.0 | 0.0 | -550.0 | 8.92 | 0.00 | 0.000 | 0.000000 |
| Bambavde 132kV | 09/01/2020 10:15:00 | 42 | 6162.5 | 512.5 | 1.56 | -510.94 | 8.29 | 0.00 | 1.727 | 0.000000 |
| Bambavde 132kV | 09/01/2020 10:30:00 | 43 | 6162.5 | 710.0 | 0.0 | -710.0 | 11.52 | 0.00 | 2.303 | 0.000000 |
| Bambavde 132kV | 09/01/2020 10:45:00 | 44 | 6162.5 | 750.0 | 0.0 | -750.0 | 12.17 | 0.00 | -1.144 | 0.000000 |
| Bambavde 132kV | 09/01/2020 11:00:00 | 45 | 6162.5 | 792.5 | 0.0 | -792.5 | 12.86 | 0.00 | -4.479 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bambavde 132kV | 09/01/2020 11:15:00 | 46 | 6162.5 | 862.5 | 0.0 | -862.5 | 14.0 | 0.00 | -3.519 | 0.000000 |
| Bambavde 132kV | 09/01/2020 11:30:00 | 47 | 6162.5 | 750.0 | 0.0 | -750.0 | 12.17 | 0.00 | -2.303 | 0.000000 |
| Bambavde 132kV | 09/01/2020 11:45:00 | 48 | 6162.5 | 792.5 | 0.0 | -792.5 | 12.86 | 0.00 | -0.576 | 0.000000 |
| Bambavde 132kV | 09/01/2020 12:00:00 | 49 | 6162.5 | 862.5 | 0.0 | -862.5 | 14.0 | 0.00 | 0.000 | 0.000000 |
| Bambavde 132kV | 09/01/2020 12:15:00 | 50 | 6162.5 | 827.5 | 0.0 | -827.5 | 13.43 | 0.00 | 3.839 | 0.000000 |
| Bambavde 132kV | 09/01/2020 12:30:00 | 51 | 6162.5 | 777.5 | 0.0 | -777.5 | 12.62 | 0.00 | 3.199 | 0.000000 |
| Bambavde 132kV | 09/01/2020 12:45:00 | 52 | 6162.5 | 730.0 | 0.0 | -730.0 | 11.85 | 0.00 | 3.199 | 0.000000 |
| Bambavde 132kV | 09/01/2020 13:00:00 | 53 | 6162.5 | 682.5 | 0.0 | -682.5 | 11.08 | 0.00 | -1.152 | 0.000000 |
| Bambavde 132kV | 09/01/2020 13:15:00 | 54 | 6162.5 | 710.0 | 0.0 | -710.0 | 11.52 | 0.00 | -1.152 | 0.000000 |
| Bambavde 132kV | 09/01/2020 13:30:00 | 55 | 6162.5 | 750.0 | 3.12 | -746.88 | 12.12 | 0.00 | 1.727 | 0.000000 |
| Bambavde 132kV | 09/01/2020 13:45:00 | 56 | 6162.5 | 792.5 | 6.25 | -786.25 | 12.76 | 0.00 | 3.199 | 0.000000 |
| Bambavde 132kV | 09/01/2020 14:00:00 | 57 | 6162.5 | 862.5 | 20.31 | -842.19 | 13.67 | 0.00 | 4.345 | 0.000000 |
| Bambavde 132kV | 09/01/2020 14:15:00 | 58 | 6162.5 | 827.5 | 0.0 | -827.5 | 13.43 | 0.00 | 3.941 | 0.000000 |
| Bambavde 132kV | 09/01/2020 14:30:00 | 59 | 6162.5 | 777.5 | 14.06 | -763.44 | 12.39 | 0.00 | 1.152 | 0.000000 |
| Bambavde 132kV | 09/01/2020 14:45:00 | 60 | 6162.5 | 730.0 | 123.44 | -606.56 | 9.84 | 0.00 | -0.576 | 0.000000 |
| Bambavde 132kV | 09/01/2020 15:00:00 | 61 | 6162.5 | 682.5 | 142.19 | -540.31 | 8.77 | 0.00 | -1.006 | 0.000000 |
| Bambavde 132kV | 09/01/2020 15:15:00 | 62 | 6162.5 | 637.5 | 98.44 | -539.06 | 8.75 | 0.00 | 3.199 | 0.000000 |
| Bambavde 132kV | 09/01/2020 15:30:00 | 63 | 6162.5 | 675.0 | 68.75 | -606.25 | 9.84 | 0.00 | 2.879 | 0.000000 |
| Bambavde 132kV | 09/01/2020 15:45:00 | 64 | 6162.5 | 710.0 | 70.31 | -639.69 | 10.38 | 0.00 | 3.839 | 0.000000 |
| Bambavde 132kV | 09/01/2020 16:00:00 | 65 | 6162.5 | 750.0 | 109.38 | -640.62 | 10.4 | 0.00 | 1.727 | 0.000000 |
| Bambavde 132kV | 09/01/2020 16:15:00 | 66 | 6162.5 | 792.5 | 153.12 | -639.38 | 10.38 | 0.00 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bambavde 132kV | 09/01/2020 16:30:00 | 67 | 6162.5 | 862.5 | 193.75 | -668.75 | 10.85 | 0.00 | -4.159 | 0.000000 |
| Bambavde 132kV | 09/01/2020 16:45:00 | 68 | 6162.5 | 750.0 | 98.44 | -651.56 | 10.57 | 0.00 | 3.839 | 0.000000 |
| Bambavde 132kV | 09/01/2020 17:00:00 | 69 | 6162.5 | 792.5 | 162.5 | -630.0 | 10.22 | 0.00 | 1.727 | 0.000000 |
| Bambavde 132kV | 09/01/2020 17:15:00 | 70 | 6162.5 | 862.5 | 156.25 | -706.25 | 11.46 | 0.00 | 3.839 | 242.749284 |
| Bambavde 132kV | 09/01/2020 17:30:00 | 71 | 6162.5 | 827.5 | 71.88 | -755.62 | 12.26 | 0.00 | -2.879 | 0.000000 |
| Bambavde 132kV | 09/01/2020 17:45:00 | 72 | 6162.5 | 777.5 | 85.94 | -691.56 | 11.22 | 0.00 | -4.146 | 0.000000 |
| Bambavde 132kV | 09/01/2020 18:00:00 | 73 | 6162.5 | 730.0 | 40.62 | -689.38 | 11.19 | 0.00 | -3.349 | 0.000000 |
| Bambavde 132kV | 09/01/2020 18:15:00 | 74 | 6162.5 | 682.5 | 148.44 | -534.06 | 8.67 | 0.00 | -4.563 | 0.000000 |
| Bambavde 132kV | 09/01/2020 18:30:00 | 75 | 6162.5 | 637.5 | 271.88 | -365.62 | 5.93 | 0.00 | -3.839 | 0.000000 |
| Bambavde 132kV | 09/01/2020 18:45:00 | 76 | 6162.5 | 675.0 | 350.0 | -325.0 | 5.27 | 0.00 | -2.879 | 0.000000 |
| Bambavde 132kV | 09/01/2020 19:00:00 | 77 | 6162.5 | 710.0 | 373.44 | -336.56 | 5.46 | 0.00 | -3.199 | 0.000000 |
| Bambavde 132kV | 09/01/2020 19:15:00 | 78 | 6162.5 | 750.0 | 187.5 | -562.5 | 9.13 | 0.00 | -1.727 | 0.000000 |
| Bambavde 132kV | 09/01/2020 19:30:00 | 79 | 6162.5 | 840.0 | 10.94 | -829.06 | 13.45 | 0.00 | -1.442 | 0.000000 |
| Bambavde 132kV | 09/01/2020 19:45:00 | 80 | 6162.5 | 837.5 | 10.94 | -826.56 | 13.41 | 0.00 | -0.286 | 0.000000 |
| Bambavde 132kV | 09/01/2020 20:00:00 | 81 | 6162.5 | 835.0 | 0.0 | -835.0 | 13.55 | 0.00 | -1.070 | 0.000000 |
| Bambavde 132kV | 09/01/2020 20:15:00 | 82 | 6162.5 | 840.0 | 0.0 | -840.0 | 13.63 | 0.00 | -2.236 | 0.000000 |
| Bambavde 132kV | 09/01/2020 20:30:00 | 83 | 6162.5 | 837.5 | 0.0 | -837.5 | 13.59 | 0.00 | -4.799 | 0.000000 |
| Bambavde 132kV | 09/01/2020 20:45:00 | 84 | 6162.5 | 835.0 | 0.0 | -835.0 | 13.55 | 0.00 | -1.727 | 0.000000 |
| Bambavde 132kV | 09/01/2020 21:00:00 | 85 | 6162.5 | 840.0 | 0.0 | -840.0 | 13.63 | 0.00 | -1.727 | 0.000000 |
| Bambavde 132kV | 09/01/2020 21:15:00 | 86 | 6162.5 | 837.5 | 0.0 | -837.5 | 13.59 | 0.00 | 1.152 | 0.000000 |
| Bambavde 132kV | 09/01/2020 21:30:00 | 87 | 6162.5 | 835.0 | 0.0 | -835.0 | 13.55 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bambavde 132kV | 09/01/2020 21:45:00 | 88 | 6162.5 | 840.0 | 0.0 | -840.0 | 13.63 | 0.00 | -2.303 | 0.000000 |
| Bambavde 132kV | 09/01/2020 22:00:00 | 89 | 6162.5 | 837.5 | 0.0 | -837.5 | 13.59 | 0.00 | -2.795 | 0.000000 |
| Bambavde 132kV | 09/01/2020 22:15:00 | 90 | 6162.5 | 835.0 | 0.0 | -835.0 | 13.55 | 0.00 | -3.674 | 0.000000 |
| Bambavde 132kV | 09/01/2020 22:30:00 | 91 | 6162.5 | 840.0 | 0.0 | -840.0 | 13.63 | 0.00 | -2.303 | 0.000000 |
| Bambavde 132kV | 09/01/2020 22:45:00 | 92 | 6162.5 | 837.5 | 0.0 | -837.5 | 13.59 | 0.00 | -1.152 | 0.000000 |
| Bambavde 132kV | 09/01/2020 23:00:00 | 93 | 6162.5 | 835.0 | 0.0 | -835.0 | 13.55 | 0.00 | 0.000 | 0.000000 |
| Bambavde 132kV | 09/01/2020 23:15:00 | 94 | 6162.5 | 840.0 | 0.0 | -840.0 | 13.63 | 0.00 | -0.576 | 0.000000 |
| Bambavde 132kV | 09/01/2020 23:30:00 | 95 | 6162.5 | 837.5 | 65.62 | -771.88 | 12.53 | 0.00 | -0.576 | 0.000000 |
| Bambavde 132kV | 09/01/2020 23:45:00 | 96 | 6162.5 | 835.0 | 212.5 | -622.5 | 10.1 | 0.00 | -0.987 | 0.000000 |
| Bambavde 132kV | 10/01/2020 00:00:00 | 1 | 6162.5 | 855.0 | 212.5 | -642.5 | 10.43 | 0.00 | -0.680 | 0.000000 |
| Bambavde 132kV | 10/01/2020 00:15:00 | 2 | 6162.5 | 860.0 | 303.12 | -556.88 | 9.04 | 0.00 | -3.326 | 0.000000 |
| Bambavde 132kV | 10/01/2020 00:30:00 | 3 | 6162.5 | 862.5 | 351.56 | -510.94 | 8.29 | 0.00 | -2.992 | 0.000000 |
| Bambavde 132kV | 10/01/2020 00:45:00 | 4 | 6162.5 | 925.0 | 315.62 | -609.38 | 9.89 | 0.00 | -0.532 | 0.000000 |
| Bambavde 132kV | 10/01/2020 01:00:00 | 5 | 6162.5 | 875.0 | 223.44 | -651.56 | 10.57 | 0.00 | -0.713 | 0.000000 |
| Bambavde 132kV | 10/01/2020 01:15:00 | 6 | 6162.5 | 937.5 | 353.12 | -584.38 | 9.48 | 0.00 | -0.548 | 0.000000 |
| Bambavde 132kV | 10/01/2020 01:30:00 | 7 | 6162.5 | 687.5 | 443.75 | -243.75 | 3.96 | 0.00 | -2.658 | 0.000000 |
| Bambavde 132kV | 10/01/2020 01:45:00 | 8 | 6162.5 | 750.0 | 487.5 | -262.5 | 4.26 | 0.00 | 2.127 | 0.000000 |
| Bambavde 132kV | 10/01/2020 02:00:00 | 9 | 6162.5 | 785.0 | 526.56 | -258.44 | 4.19 | 0.00 | 5.342 | 506.379596 |
| Bambavde 132kV | 10/01/2020 02:15:00 | 10 | 6162.5 | 825.0 | 645.31 | -179.69 | 2.92 | 0.00 | 1.595 | 0.000000 |
| Bambavde 132kV | 10/01/2020 02:30:00 | 11 | 6162.5 | 867.5 | 718.75 | -148.75 | 2.41 | 0.00 | 3.326 | 0.000000 |
| Bambavde 132kV | 10/01/2020 02:45:00 | 12 | 6162.5 | 882.5 | 1107.81 | 225.31 | 3.66 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bambavde 132kV | 10/01/2020 03:00:00 | 13 | 6162.5 | 810.0 | 1664.06 | 854.06 | 13.86 | 0.00 | 2.658 | 0.000000 |
| Bambavde 132kV | 10/01/2020 03:15:00 | 14 | 6162.5 | 805.0 | 1615.62 | 810.62 | 13.15 | 0.00 | 2.127 | 0.000000 |
| Bambavde 132kV | 10/01/2020 03:30:00 | 15 | 6162.5 | 682.5 | 1604.69 | 922.19 | 14.96 | 0.00 | 2.127 | 0.000000 |
| Bambavde 132kV | 10/01/2020 03:45:00 | 16 | 6162.5 | 637.5 | 1585.94 | 948.44 | 15.39 | 12.03 | -1.063 | 0.000000 |
| Bambavde 132kV | 10/01/2020 04:00:00 | 17 | 6162.5 | 675.0 | 1306.25 | 631.25 | 10.24 | 0.00 | 1.595 | 0.000000 |
| Bambavde 132kV | 10/01/2020 04:15:00 | 18 | 6162.5 | 710.0 | 1250.0 | 540.0 | 8.76 | 0.00 | 3.326 | 0.000000 |
| Bambavde 132kV | 10/01/2020 04:30:00 | 19 | 6162.5 | 750.0 | 1189.06 | 439.06 | 7.12 | 0.00 | 3.326 | 0.000000 |
| Bambavde 132kV | 10/01/2020 04:45:00 | 20 | 6162.5 | 792.5 | 1353.12 | 560.62 | 9.1 | 0.00 | 2.127 | 0.000000 |
| Bambavde 132kV | 10/01/2020 05:00:00 | 21 | 6162.5 | 862.5 | 1339.06 | 476.56 | 7.73 | 0.00 | 2.992 | 0.000000 |
| Bambavde 132kV | 10/01/2020 05:15:00 | 22 | 6162.5 | 750.0 | 1507.81 | 757.81 | 12.3 | 0.00 | 1.063 | 0.000000 |
| Bambavde 132kV | 10/01/2020 05:30:00 | 23 | 6162.5 | 692.5 | 1667.19 | 974.69 | 15.82 | 25.16 | -2.658 | 0.000000 |
| Bambavde 132kV | 10/01/2020 05:45:00 | 24 | 6162.5 | 505.0 | 1521.88 | 1016.88 | 16.5 | 46.25 | 2.127 | 0.000000 |
| Bambavde 132kV | 10/01/2020 06:00:00 | 25 | 6162.5 | 547.5 | 1621.88 | 1074.38 | 17.43 | 75.00 | -2.127 | 0.000000 |
| Bambavde 132kV | 10/01/2020 06:15:00 | 26 | 6162.5 | 465.0 | 1479.69 | 1014.69 | 16.47 | 45.16 | 2.658 | 0.000000 |
| Bambavde 132kV | 10/01/2020 06:30:00 | 27 | 6162.5 | 505.0 | 1404.69 | 899.69 | 14.6 | 0.00 | -2.992 | 0.000000 |
| Bambavde 132kV | 10/01/2020 06:45:00 | 28 | 6162.5 | 547.5 | 1570.31 | 1022.81 | 16.6 | 49.22 | -3.077 | 0.000000 |
| Bambavde 132kV | 10/01/2020 07:00:00 | 29 | 6162.5 | 617.5 | 1825.0 | 1207.5 | 19.59 | 141.56 | -0.687 | 0.000000 |
| Bambavde 132kV | 10/01/2020 07:15:00 | 30 | 6162.5 | 615.0 | 2075.0 | 1460.0 | 23.69 | 267.81 | -2.658 | 0.000000 |
| Bambavde 132kV | 10/01/2020 07:30:00 | 31 | 6162.5 | 567.5 | 2095.31 | 1527.81 | 24.79 | 301.72 | -1.063 | 0.000000 |
| Bambavde 132kV | 10/01/2020 07:45:00 | 32 | 6162.5 | 520.0 | 1865.62 | 1345.62 | 21.84 | 210.62 | -2.658 | 0.000000 |
| Bambavde 132kV | 10/01/2020 08:00:00 | 33 | 6162.5 | 475.0 | 1695.31 | 1220.31 | 19.8 | 147.97 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bambavde 132kV | 10/01/2020 08:15:00 | 34 | 6162.5 | 512.5 | 1226.56 | 714.06 | 11.59 | 0.00 | -4.661 | -93.845674 |
| Bambavde 132kV | 10/01/2020 08:30:00 | 35 | 6162.5 | 547.5 | 1006.25 | 458.75 | 7.44 | 0.00 | 5.663 | 0.000000 |
| Bambavde 132kV | 10/01/2020 08:45:00 | 36 | 6162.5 | 547.5 | 970.31 | 422.81 | 6.86 | 0.00 | 4.328 | 0.000000 |
| Bambavde 132kV | 10/01/2020 09:00:00 | 37 | 6162.5 | 665.0 | 846.88 | 181.88 | 2.95 | 0.00 | -4.995 | -33.169200 |
| Bambavde 132kV | 10/01/2020 09:15:00 | 38 | 6162.5 | 615.0 | 723.44 | 108.44 | 1.76 | 0.00 | -4.327 | -14.175939 |
| Bambavde 132kV | 10/01/2020 09:30:00 | 39 | 6162.5 | 567.5 | 845.31 | 277.81 | 4.51 | 0.00 | -2.127 | -54.547660 |
| Bambavde 132kV | 10/01/2020 09:45:00 | 40 | 6162.5 | 570.0 | 1079.69 | 509.69 | 8.27 | 0.00 | -1.152 | -95.554546 |
| Bambavde 132kV | 10/01/2020 10:00:00 | 41 | 6162.5 | 550.0 | 982.81 | 432.81 | 7.02 | 0.00 | 0.000 | 0.000000 |
| Bambavde 132kV | 10/01/2020 10:15:00 | 42 | 6162.5 | 512.5 | 1025.0 | 512.5 | 8.32 | 0.00 | -0.532 | -15.777431 |
| Bambavde 132kV | 10/01/2020 10:30:00 | 43 | 6162.5 | 710.0 | 1282.81 | 572.81 | 9.3 | 0.00 | -1.063 | -34.217242 |
| Bambavde 132kV | 10/01/2020 10:45:00 | 44 | 6162.5 | 750.0 | 1460.94 | 710.94 | 11.54 | 0.00 | 0.000 | 0.000000 |
| Bambavde 132kV | 10/01/2020 11:00:00 | 45 | 6162.5 | 792.5 | 1534.38 | 741.88 | 12.04 | 0.00 | 2.658 | 0.000000 |
| Bambavde 132kV | 10/01/2020 11:15:00 | 46 | 6162.5 | 862.5 | 1342.19 | 479.69 | 7.78 | 0.00 | 0.000 | 0.000000 |
| Bambavde 132kV | 10/01/2020 11:30:00 | 47 | 6162.5 | 750.0 | 737.5 | -12.5 | 0.2 | 0.00 | -1.595 | 0.000000 |
| Bambavde 132kV | 10/01/2020 11:45:00 | 48 | 6162.5 | 792.5 | 735.94 | -56.56 | 0.92 | 0.00 | 2.992 | 0.000000 |
| Bambavde 132kV | 10/01/2020 12:00:00 | 49 | 6162.5 | 862.5 | 546.88 | -315.62 | 5.12 | 0.00 | 0.000 | 0.000000 |
| Bambavde 132kV | 10/01/2020 12:15:00 | 50 | 6162.5 | 827.5 | 442.19 | -385.31 | 6.25 | 0.00 | 2.127 | 0.000000 |
| Bambavde 132kV | 10/01/2020 12:30:00 | 51 | 6162.5 | 777.5 | 237.5 | -540.0 | 8.76 | 0.00 | 1.595 | 0.000000 |
| Bambavde 132kV | 10/01/2020 12:45:00 | 52 | 6162.5 | 730.0 | 245.31 | -484.69 | 7.87 | 0.00 | -1.063 | 0.000000 |
| Bambavde 132kV | 10/01/2020 13:00:00 | 53 | 6162.5 | 682.5 | 307.81 | -374.69 | 6.08 | 0.00 | 2.658 | 0.000000 |
| Bambavde 132kV | 10/01/2020 13:15:00 | 54 | 6162.5 | 710.0 | 281.25 | -428.75 | 6.96 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bambavde 132kV | 10/01/2020 13:30:00 | 55 | 6162.5 | 750.0 | 312.5 | -437.5 | 7.1 | 0.00 | 2.127 | 0.000000 |
| Bambavde 132kV | 10/01/2020 13:45:00 | 56 | 6162.5 | 792.5 | 393.75 | -398.75 | 6.47 | 0.00 | -3.326 | 0.000000 |
| Bambavde 132kV | 10/01/2020 14:00:00 | 57 | 6162.5 | 862.5 | 510.94 | -351.56 | 5.7 | 0.00 | -2.992 | 0.000000 |
| Bambavde 132kV | 10/01/2020 14:15:00 | 58 | 6162.5 | 827.5 | 496.88 | -330.62 | 5.37 | 0.00 | 3.660 | 0.000000 |
| Bambavde 132kV | 10/01/2020 14:30:00 | 59 | 6162.5 | 777.5 | 495.31 | -282.19 | 4.58 | 0.00 | -2.127 | 0.000000 |
| Bambavde 132kV | 10/01/2020 14:45:00 | 60 | 6162.5 | 730.0 | 468.75 | -261.25 | 4.24 | 0.00 | -2.127 | 0.000000 |
| Bambavde 132kV | 10/01/2020 15:00:00 | 61 | 6162.5 | 682.5 | 484.38 | -198.12 | 3.21 | 0.00 | 0.000 | 0.000000 |
| Bambavde 132kV | 10/01/2020 15:15:00 | 62 | 6162.5 | 637.5 | 432.81 | -204.69 | 3.32 | 0.00 | -2.992 | 0.000000 |
| Bambavde 132kV | 10/01/2020 15:30:00 | 63 | 6162.5 | 675.0 | 475.0 | -200.0 | 3.25 | 0.00 | -4.995 | 0.000000 |
| Bambavde 132kV | 10/01/2020 15:45:00 | 64 | 6162.5 | 710.0 | 520.31 | -189.69 | 3.08 | 0.00 | -4.327 | 0.000000 |
| Bambavde 132kV | 10/01/2020 16:00:00 | 65 | 6162.5 | 750.0 | 454.69 | -295.31 | 4.79 | 0.00 | -4.995 | 0.000000 |
| Bambavde 132kV | 10/01/2020 16:15:00 | 66 | 6162.5 | 792.5 | 542.19 | -250.31 | 4.06 | 0.00 | -8.000 | 0.000000 |
| Bambavde 132kV | 10/01/2020 16:30:00 | 67 | 6162.5 | 862.5 | 709.38 | -153.12 | 2.48 | 0.00 | -8.000 | 0.000000 |
| Bambavde 132kV | 10/01/2020 16:45:00 | 68 | 6162.5 | 750.0 | 548.44 | -201.56 | 3.27 | 0.00 | 4.327 | 0.000000 |
| Bambavde 132kV | 10/01/2020 17:00:00 | 69 | 6162.5 | 792.5 | 389.06 | -403.44 | 6.55 | 0.00 | 0.532 | 0.000000 |
| Bambavde 132kV | 10/01/2020 17:15:00 | 70 | 6162.5 | 862.5 | 392.19 | -470.31 | 7.63 | 0.00 | -1.595 | 0.000000 |
| Bambavde 132kV | 10/01/2020 17:30:00 | 71 | 6162.5 | 827.5 | 365.62 | -461.88 | 7.5 | 0.00 | -2.658 | 0.000000 |
| Bambavde 132kV | 10/01/2020 17:45:00 | 72 | 6162.5 | 777.5 | 376.56 | -400.94 | 6.51 | 0.00 | -2.127 | 0.000000 |
| Bambavde 132kV | 10/01/2020 18:00:00 | 73 | 6162.5 | 730.0 | 406.25 | -323.75 | 5.25 | 0.00 | -1.461 | 0.000000 |
| Bambavde 132kV | 10/01/2020 18:15:00 | 74 | 6162.5 | 682.5 | 434.38 | -248.12 | 4.03 | 0.00 | 3.326 | 87.193374 |
| Bambavde 132kV | 10/01/2020 18:30:00 | 75 | 6162.5 | 637.5 | 567.19 | -70.31 | 1.14 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bambavde 132kV | 10/01/2020 18:45:00 | 76 | 6162.5 | 675.0 | 784.38 | 109.38 | 1.77 | 0.00 | 3.994 | 0.000000 |
| Bambavde 132kV | 10/01/2020 19:00:00 | 77 | 6162.5 | 710.0 | 843.75 | 133.75 | 2.17 | 0.00 | -2.127 | 0.000000 |
| Bambavde 132kV | 10/01/2020 19:15:00 | 78 | 6162.5 | 750.0 | 1012.5 | 262.5 | 4.26 | 0.00 | -2.658 | 0.000000 |
| Bambavde 132kV | 10/01/2020 19:30:00 | 79 | 6162.5 | 840.0 | 1007.81 | 167.81 | 2.72 | 0.00 | -3.660 | 0.000000 |
| Bambavde 132kV | 10/01/2020 19:45:00 | 80 | 6162.5 | 837.5 | 946.88 | 109.38 | 1.77 | 0.00 | -3.326 | 0.000000 |
| Bambavde 132kV | 10/01/2020 20:00:00 | 81 | 6162.5 | 835.0 | 867.19 | 32.19 | 0.52 | 0.00 | 3.660 | 0.000000 |
| Bambavde 132kV | 10/01/2020 20:15:00 | 82 | 6162.5 | 840.0 | 975.0 | 135.0 | 2.19 | 0.00 | 3.660 | 0.000000 |
| Bambavde 132kV | 10/01/2020 20:30:00 | 83 | 6162.5 | 837.5 | 937.5 | 100.0 | 1.62 | 0.00 | 4.995 | 0.000000 |
| Bambavde 132kV | 10/01/2020 20:45:00 | 84 | 6162.5 | 835.0 | 900.0 | 65.0 | 1.05 | 0.00 | 2.992 | 0.000000 |
| Bambavde 132kV | 10/01/2020 21:00:00 | 85 | 6162.5 | 840.0 | 998.44 | 158.44 | 2.57 | 0.00 | -3.660 | 0.000000 |
| Bambavde 132kV | 10/01/2020 21:15:00 | 86 | 6162.5 | 837.5 | 1020.31 | 182.81 | 2.97 | 0.00 | -1.595 | 0.000000 |
| Bambavde 132kV | 10/01/2020 21:30:00 | 87 | 6162.5 | 835.0 | 1028.12 | 193.12 | 3.13 | 0.00 | -1.063 | 0.000000 |
| Bambavde 132kV | 10/01/2020 21:45:00 | 88 | 6162.5 | 840.0 | 959.38 | 119.38 | 1.94 | 0.00 | -0.532 | 0.000000 |
| Bambavde 132kV | 10/01/2020 22:00:00 | 89 | 6162.5 | 837.5 | 978.12 | 140.62 | 2.28 | 0.00 | -1.595 | 0.000000 |
| Bambavde 132kV | 10/01/2020 22:15:00 | 90 | 6162.5 | 835.0 | 848.44 | 13.44 | 0.22 | 0.00 | -2.127 | 0.000000 |
| Bambavde 132kV | 10/01/2020 22:30:00 | 91 | 6162.5 | 840.0 | 732.81 | -107.19 | 1.74 | 0.00 | 1.063 | 0.000000 |
| Bambavde 132kV | 10/01/2020 22:45:00 | 92 | 6162.5 | 837.5 | 728.12 | -109.38 | 1.77 | 0.00 | -2.658 | 0.000000 |
| Bambavde 132kV | 10/01/2020 23:00:00 | 93 | 6162.5 | 835.0 | 837.5 | 2.5 | 0.04 | 0.00 | -2.658 | 0.000000 |
| Bambavde 132kV | 10/01/2020 23:15:00 | 94 | 6162.5 | 840.0 | 990.62 | 150.62 | 2.44 | 0.00 | 0.000 | 0.000000 |
| Bambavde 132kV | 10/01/2020 23:30:00 | 95 | 6162.5 | 837.5 | 967.19 | 129.69 | 2.1 | 0.00 | 0.000 | 0.000000 |
| Bambavde 132kV | 10/01/2020 23:45:00 | 96 | 6162.5 | 835.0 | 846.88 | 11.88 | 0.19 | 0.00 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bambavde 132kV | 11/01/2020 00:00:00 | 1 | 6162.5 | 835.0 | 773.44 | -61.56 | 1.0 | 0.00 | 0.000 | 0.000000 |
| Bambavde 132kV | 11/01/2020 00:15:00 | 2 | 6162.5 | 840.0 | 656.25 | -183.75 | 2.98 | 0.00 | -2.629 | 0.000000 |
| Bambavde 132kV | 11/01/2020 00:30:00 | 3 | 6162.5 | 837.5 | 496.88 | -340.62 | 5.53 | 0.00 | -1.577 | 0.000000 |
| Bambavde 132kV | 11/01/2020 00:45:00 | 4 | 6162.5 | 835.0 | 295.31 | -539.69 | 8.76 | 0.00 | 2.103 | 0.000000 |
| Bambavde 132kV | 11/01/2020 01:00:00 | 5 | 6162.5 | 840.0 | 381.25 | -458.75 | 7.44 | 0.00 | 2.964 | 215.526778 |
| Bambavde 132kV | 11/01/2020 01:15:00 | 6 | 6162.5 | 837.5 | 421.88 | -415.62 | 6.74 | 0.00 | 1.052 | 27.410897 |
| Bambavde 132kV | 11/01/2020 01:30:00 | 7 | 6162.5 | 835.0 | 539.06 | -295.94 | 4.8 | 0.00 | 1.577 | 34.749213 |
| Bambavde 132kV | 11/01/2020 01:45:00 | 8 | 6162.5 | 840.0 | 754.69 | -85.31 | 1.38 | 0.00 | -0.526 | 0.000000 |
| Bambavde 132kV | 11/01/2020 02:00:00 | 9 | 6162.5 | 837.5 | 1010.94 | 173.44 | 2.81 | 0.00 | -0.403 | 0.000000 |
| Bambavde 132kV | 11/01/2020 02:15:00 | 10 | 6162.5 | 835.0 | 1228.12 | 393.12 | 6.38 | 0.00 | -0.630 | 0.000000 |
| Bambavde 132kV | 11/01/2020 02:30:00 | 11 | 6162.5 | 840.0 | 1529.69 | 689.69 | 11.19 | 0.00 | -0.526 | 0.000000 |
| Bambavde 132kV | 11/01/2020 02:45:00 | 12 | 6162.5 | 837.5 | 1873.44 | 1035.94 | 16.81 | 55.78 | -0.526 | -49.332222 |
| Bambavde 132kV | 11/01/2020 03:00:00 | 13 | 6162.5 | 835.0 | 2012.5 | 1177.5 | 19.11 | 126.56 | -1.051 | 0.000000 |
| Bambavde 132kV | 11/01/2020 03:15:00 | 14 | 6162.5 | 840.0 | 1867.19 | 1027.19 | 16.67 | 51.41 | 0.000 | 0.000000 |
| Bambavde 132kV | 11/01/2020 03:30:00 | 15 | 6162.5 | 837.5 | 1565.62 | 728.12 | 11.82 | 0.00 | 0.000 | 0.000000 |
| Bambavde 132kV | 11/01/2020 03:45:00 | 16 | 6162.5 | 835.0 | 1392.19 | 557.19 | 9.04 | 0.00 | 0.000 | 0.000000 |
| Bambavde 132kV | 11/01/2020 04:00:00 | 17 | 6162.5 | 835.0 | 1134.38 | 299.38 | 4.86 | 0.00 | 0.000 | 0.000000 |
| Bambavde 132kV | 11/01/2020 04:15:00 | 18 | 6162.5 | 840.0 | 1045.31 | 205.31 | 3.33 | 0.00 | -1.051 | 0.000000 |
| Bambavde 132kV | 11/01/2020 04:30:00 | 19 | 6162.5 | 837.5 | 1079.69 | 242.19 | 3.93 | 0.00 | -2.964 | 0.000000 |
| Bambavde 132kV | 11/01/2020 04:45:00 | 20 | 6162.5 | 835.0 | 1285.94 | 450.94 | 7.32 | 0.00 | -3.300 | 0.000000 |
| Bambavde 132kV | 11/01/2020 05:00:00 | 21 | 6162.5 | 840.0 | 1579.69 | 739.69 | 12.0 | 0.00 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bambavde 132kV | 11/01/2020 05:15:00 | 22 | 6162.5 | 837.5 | 1312.5 | 475.0 | 7.71 | 0.00 | 5.314 | 0.000000 |
| Bambavde 132kV | 11/01/2020 05:30:00 | 23 | 6162.5 | 835.0 | 1395.31 | 560.31 | 9.09 | 0.00 | 2.964 | 0.000000 |
| Bambavde 132kV | 11/01/2020 05:45:00 | 24 | 6162.5 | 840.0 | 1525.0 | 685.0 | 11.12 | 0.00 | 2.103 | 0.000000 |
| Bambavde 132kV | 11/01/2020 06:00:00 | 25 | 6162.5 | 837.5 | 1668.75 | 831.25 | 13.49 | 0.00 | 3.636 | 0.000000 |
| Bambavde 132kV | 11/01/2020 06:15:00 | 26 | 6162.5 | 835.0 | 1517.19 | 682.19 | 11.07 | 0.00 | 2.964 | 0.000000 |
| Bambavde 132kV | 11/01/2020 06:30:00 | 27 | 6162.5 | 840.0 | 1707.81 | 867.81 | 14.08 | 0.00 | 4.105 | 0.000000 |
| Bambavde 132kV | 11/01/2020 06:45:00 | 28 | 6162.5 | 837.5 | 1684.38 | 846.88 | 13.74 | 0.00 | 5.650 | 0.000000 |
| Bambavde 132kV | 11/01/2020 07:00:00 | 29 | 6162.5 | 835.0 | 1478.12 | 643.12 | 10.44 | 0.00 | 3.300 | 0.000000 |
| Bambavde 132kV | 11/01/2020 07:15:00 | 30 | 6162.5 | 840.0 | 1439.06 | 599.06 | 9.72 | 0.00 | 5.314 | 0.000000 |
| Bambavde 132kV | 11/01/2020 07:30:00 | 31 | 6162.5 | 837.5 | 1515.62 | 678.12 | 11.0 | 0.00 | 2.964 | 0.000000 |
| Bambavde 132kV | 11/01/2020 07:45:00 | 32 | 6162.5 | 835.0 | 1690.62 | 855.62 | 13.88 | 0.00 | 2.103 | 0.000000 |
| Bambavde 132kV | 11/01/2020 08:00:00 | 33 | 6162.5 | 837.5 | 1646.88 | 809.38 | 13.13 | 0.00 | -1.577 | -28.999433 |
| Bambavde 132kV | 11/01/2020 08:15:00 | 34 | 6162.5 | 835.0 | 1453.12 | 618.12 | 10.03 | 0.00 | 3.300 | 0.000000 |
| Bambavde 132kV | 11/01/2020 08:30:00 | 35 | 6162.5 | 840.0 | 1118.75 | 278.75 | 4.52 | 0.00 | 2.116 | 0.000000 |
| Bambavde 132kV | 11/01/2020 08:45:00 | 36 | 6162.5 | 837.5 | 907.81 | 70.31 | 1.14 | 0.00 | 2.964 | 0.000000 |
| Bambavde 132kV | 11/01/2020 09:00:00 | 37 | 6162.5 | 835.0 | 720.31 | -114.69 | 1.86 | 0.00 | 6.681 | 0.000000 |
| Bambavde 132kV | 11/01/2020 09:15:00 | 38 | 6162.5 | 840.0 | 703.12 | -136.88 | 2.22 | 0.00 | 6.657 | 0.000000 |
| Bambavde 132kV | 11/01/2020 09:30:00 | 39 | 6162.5 | 837.5 | 735.94 | -101.56 | 1.65 | 0.00 | -6.322 | 0.000000 |
| Bambavde 132kV | 11/01/2020 09:45:00 | 40 | 6162.5 | 835.0 | 667.19 | -167.81 | 2.72 | 0.00 | -2.103 | 0.000000 |
| Bambavde 132kV | 11/01/2020 10:00:00 | 41 | 6162.5 | 840.0 | 557.81 | -282.19 | 4.58 | 0.00 | 0.526 | 0.000000 |
| Bambavde 132kV | 11/01/2020 10:15:00 | 42 | 6162.5 | 837.5 | 421.88 | -415.62 | 6.74 | 0.00 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bambavde 132kV | 11/01/2020 10:30:00 | 43 | 6162.5 | 835.0 | 381.25 | -453.75 | 7.36 | 0.00 | 0.000 | 0.000000 |
| Bambavde 132kV | 11/01/2020 10:45:00 | 44 | 6162.5 | 835.0 | 353.12 | -481.88 | 7.82 | 0.00 | 0.000 | 0.000000 |
| Bambavde 132kV | 11/01/2020 11:00:00 | 45 | 6162.5 | 840.0 | 535.94 | -304.06 | 4.93 | 0.00 | 0.000 | 0.000000 |
| Bambavde 132kV | 11/01/2020 11:15:00 | 46 | 6162.5 | 837.5 | 259.38 | -578.12 | 9.38 | 0.00 | -2.964 | 0.000000 |
| Bambavde 132kV | 11/01/2020 11:30:00 | 47 | 6162.5 | 835.0 | 276.56 | -558.44 | 9.06 | 0.00 | -4.307 | 0.000000 |
| Bambavde 132kV | 11/01/2020 11:45:00 | 48 | 6162.5 | 840.0 | 282.81 | -557.19 | 9.04 | 0.00 | -3.300 | 0.000000 |
| Bambavde 132kV | 11/01/2020 12:00:00 | 49 | 6162.5 | 837.5 | 281.25 | -556.25 | 9.03 | 0.00 | -0.526 | 0.000000 |
| Bambavde 132kV | 11/01/2020 12:15:00 | 50 | 6162.5 | 835.0 | 278.12 | -556.88 | 9.04 | 0.00 | -2.103 | 0.000000 |
| Bambavde 132kV | 11/01/2020 12:30:00 | 51 | 6162.5 | 840.0 | 218.75 | -621.25 | 10.08 | 0.00 | -2.629 | 0.000000 |
| Bambavde 132kV | 11/01/2020 12:45:00 | 52 | 6162.5 | 837.5 | 240.62 | -596.88 | 9.69 | 0.00 | -2.629 | 0.000000 |
| Bambavde 132kV | 11/01/2020 13:00:00 | 53 | 6162.5 | 835.0 | 237.5 | -597.5 | 9.7 | 0.00 | 0.000 | 0.000000 |
| Bambavde 132kV | 11/01/2020 13:15:00 | 54 | 6162.5 | 840.0 | 204.69 | -635.31 | 10.31 | 0.00 | -2.103 | 0.000000 |
| Bambavde 132kV | 11/01/2020 13:30:00 | 55 | 6162.5 | 837.5 | 139.06 | -698.44 | 11.33 | 0.00 | 2.629 | 0.000000 |
| Bambavde 132kV | 11/01/2020 13:45:00 | 56 | 6162.5 | 835.0 | 125.0 | -710.0 | 11.52 | 0.00 | 2.103 | 0.000000 |
| Bambavde 132kV | 11/01/2020 14:00:00 | 57 | 6162.5 | 840.0 | 60.94 | -779.06 | 12.64 | 0.00 | 1.051 | 0.000000 |
| Bambavde 132kV | 11/01/2020 14:15:00 | 58 | 6162.5 | 837.5 | 103.12 | -734.38 | 11.92 | 0.00 | 3.300 | 0.000000 |
| Bambavde 132kV | 11/01/2020 14:30:00 | 59 | 6162.5 | 837.5 | 35.94 | -801.56 | 13.01 | 0.00 | -3.636 | 0.000000 |
| Bambavde 132kV | 11/01/2020 14:45:00 | 60 | 6162.5 | 835.0 | 54.69 | -780.31 | 12.66 | 0.00 | 4.979 | 0.000000 |
| Bambavde 132kV | 11/01/2020 15:00:00 | 61 | 6162.5 | 840.0 | 17.19 | -822.81 | 13.35 | 0.00 | -2.964 | 0.000000 |
| Bambavde 132kV | 11/01/2020 15:15:00 | 62 | 6162.5 | 837.5 | 18.75 | -818.75 | 13.29 | 0.00 | -5.314 | 0.000000 |
| Bambavde 132kV | 11/01/2020 15:30:00 | 63 | 6162.5 | 835.0 | 28.12 | -806.88 | 13.09 | 0.00 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bambavde 132kV | 11/01/2020 15:45:00 | 64 | 6162.5 | 840.0 | 0.0 | -840.0 | 13.63 | 0.00 | 4.643 | 0.000000 |
| Bambavde 132kV | 11/01/2020 16:00:00 | 65 | 6162.5 | 837.5 | 15.62 | -821.88 | 13.34 | 0.00 | 2.103 | 0.000000 |
| Bambavde 132kV | 11/01/2020 16:15:00 | 66 | 6162.5 | 835.0 | 0.0 | -835.0 | 13.55 | 0.00 | -2.964 | 0.000000 |
| Bambavde 132kV | 11/01/2020 16:30:00 | 67 | 6162.5 | 840.0 | 1.56 | -838.44 | 13.61 | 0.00 | -2.103 | 0.000000 |
| Bambavde 132kV | 11/01/2020 16:45:00 | 68 | 6162.5 | 837.5 | 4.69 | -832.81 | 13.51 | 0.00 | 3.972 | 0.000000 |
| Bambavde 132kV | 11/01/2020 17:00:00 | 69 | 6162.5 | 835.0 | 9.38 | -825.62 | 13.4 | 0.00 | -1.577 | 0.000000 |
| Bambavde 132kV | 11/01/2020 17:15:00 | 70 | 6162.5 | 835.0 | 10.94 | -824.06 | 13.37 | 0.00 | -1.577 | 0.000000 |
| Bambavde 132kV | 11/01/2020 17:30:00 | 71 | 6162.5 | 840.0 | 17.19 | -822.81 | 13.35 | 0.00 | 1.051 | 10.498517 |
| Bambavde 132kV | 11/01/2020 17:45:00 | 72 | 6162.5 | 837.5 | 131.25 | -706.25 | 11.46 | 0.00 | -2.103 | 0.000000 |
| Bambavde 132kV | 11/01/2020 18:00:00 | 73 | 6162.5 | 835.0 | 103.12 | -731.88 | 11.88 | 0.00 | -2.964 | 0.000000 |
| Bambavde 132kV | 11/01/2020 18:15:00 | 74 | 6162.5 | 840.0 | 57.81 | -782.19 | 12.69 | 0.00 | -2.629 | 0.000000 |
| Bambavde 132kV | 11/01/2020 18:30:00 | 75 | 6162.5 | 837.5 | 53.12 | -784.38 | 12.73 | 0.00 | 2.103 | 27.572915 |
| Bambavde 132kV | 11/01/2020 18:45:00 | 76 | 6162.5 | 835.0 | 45.31 | -789.69 | 12.81 | 0.00 | 0.526 | 81.280291 |
| Bambavde 132kV | 11/01/2020 19:00:00 | 77 | 6162.5 | 840.0 | 57.81 | -782.19 | 12.69 | 0.00 | 2.103 | 319.756574 |
| Bambavde 132kV | 11/01/2020 19:15:00 | 78 | 6162.5 | 837.5 | 60.94 | -776.56 | 12.6 | 0.00 | -1.052 | 0.000000 |
| Bambavde 132kV | 11/01/2020 19:30:00 | 79 | 6162.5 | 835.0 | 81.25 | -753.75 | 12.23 | 0.00 | 2.964 | 0.000000 |
| Bambavde 132kV | 11/01/2020 19:45:00 | 80 | 6162.5 | 840.0 | 59.38 | -780.62 | 12.67 | 0.00 | 2.629 | 580.653977 |
| Bambavde 132kV | 11/01/2020 20:00:00 | 81 | 6162.5 | 837.5 | 46.88 | -790.62 | 12.83 | 0.00 | 2.629 | 128.579094 |
| Bambavde 132kV | 11/01/2020 20:15:00 | 82 | 6162.5 | 835.0 | 75.0 | -760.0 | 12.33 | 0.00 | 4.307 | 407.569241 |
| Bambavde 132kV | 11/01/2020 20:30:00 | 83 | 6162.5 | 840.0 | 67.19 | -772.81 | 12.54 | 0.00 | 2.964 | 1062.622363 |
| Bambavde 132kV | 11/01/2020 20:45:00 | 84 | 6162.5 | 837.5 | 59.38 | -778.12 | 12.63 | 0.00 | 2.629 | 918.417331 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bambavde 132kV | 11/01/2020 21:00:00 | 85 | 6162.5 | 840.0 | 64.06 | -775.94 | 12.59 | 0.00 | 3.636 | 166.336736 |
| Bambavde 132kV | 11/01/2020 21:15:00 | 86 | 6162.5 | 837.5 | 76.56 | -760.94 | 12.35 | 0.00 | -1.577 | 0.000000 |
| Bambavde 132kV | 11/01/2020 21:30:00 | 87 | 6162.5 | 835.0 | 56.25 | -778.75 | 12.64 | 0.00 | -1.577 | 0.000000 |
| Bambavde 132kV | 11/01/2020 21:45:00 | 88 | 6162.5 | 840.0 | 84.38 | -755.62 | 12.26 | 0.00 | -1.052 | 0.000000 |
| Bambavde 132kV | 11/01/2020 22:00:00 | 89 | 6162.5 | 837.5 | 56.25 | -781.25 | 12.68 | 0.00 | -5.650 | 0.000000 |
| Bambavde 132kV | 11/01/2020 22:15:00 | 90 | 6162.5 | 835.0 | 168.75 | -666.25 | 10.81 | 0.00 | -5.650 | 0.000000 |
| Bambavde 132kV | 11/01/2020 22:30:00 | 91 | 6162.5 | 840.0 | 329.69 | -510.31 | 8.28 | 0.00 | 4.979 | 246.049322 |
| Bambavde 132kV | 11/01/2020 22:45:00 | 92 | 6162.5 | 837.5 | 537.5 | -300.0 | 4.87 | 0.00 | 2.964 | 188.394881 |
| Bambavde 132kV | 11/01/2020 23:00:00 | 93 | 6162.5 | 835.0 | 887.5 | 52.5 | 0.85 | 0.00 | 1.577 | 0.000000 |
| Bambavde 132kV | 11/01/2020 23:15:00 | 94 | 6162.5 | 840.0 | 875.0 | 35.0 | 0.57 | 0.00 | 1.074 | 0.000000 |
| Bambavde 132kV | 11/01/2020 23:30:00 | 95 | 6162.5 | 837.5 | 900.0 | 62.5 | 1.01 | 0.00 | 2.113 | 0.000000 |
| Bambavde 132kV | 11/01/2020 23:45:00 | 96 | 6162.5 | 835.0 | 848.44 | 13.44 | 0.22 | 0.00 | 2.162 | 0.000000 |
| Bambavde 132kV | 12/01/2020 00:00:00 | 1 | 6162.5 | 835.0 | 750.0 | -85.0 | 1.38 | 0.00 | 3.022 | 52.280753 |
| Bambavde 132kV | 12/01/2020 00:15:00 | 2 | 6162.5 | 840.0 | 721.88 | -118.12 | 1.92 | 0.00 | -2.152 | 0.000000 |
| Bambavde 132kV | 12/01/2020 00:30:00 | 3 | 6162.5 | 837.5 | 659.38 | -178.12 | 2.89 | 0.00 | -2.152 | 0.000000 |
| Bambavde 132kV | 12/01/2020 00:45:00 | 4 | 6162.5 | 835.0 | 621.88 | -213.12 | 3.46 | 0.00 | -3.022 | 0.000000 |
| Bambavde 132kV | 12/01/2020 01:00:00 | 5 | 6162.5 | 840.0 | 578.12 | -261.88 | 4.25 | 0.00 | -0.629 | 0.000000 |
| Bambavde 132kV | 12/01/2020 01:15:00 | 6 | 6162.5 | 837.5 | 423.44 | -414.06 | 6.72 | 0.00 | -3.317 | 0.000000 |
| Bambavde 132kV | 12/01/2020 01:30:00 | 7 | 6162.5 | 835.0 | 409.38 | -425.62 | 6.91 | 0.00 | -3.354 | 0.000000 |
| Bambavde 132kV | 12/01/2020 01:45:00 | 8 | 6162.5 | 840.0 | 382.81 | -457.19 | 7.42 | 0.00 | -3.022 | 0.000000 |
| Bambavde 132kV | 12/01/2020 02:00:00 | 9 | 6162.5 | 837.5 | 521.88 | -315.62 | 5.12 | 0.00 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bambavde 132kV | 12/01/2020 02:15:00 | 10 | 6162.5 | 835.0 | 565.62 | -269.38 | 4.37 | 0.00 | -3.022 | 0.000000 |
| Bambavde 132kV | 12/01/2020 02:30:00 | 11 | 6162.5 | 840.0 | 604.69 | -235.31 | 3.82 | 0.00 | -2.690 | 0.000000 |
| Bambavde 132kV | 12/01/2020 02:45:00 | 12 | 6162.5 | 837.5 | 717.19 | -120.31 | 1.95 | 0.00 | -3.022 | 0.000000 |
| Bambavde 132kV | 12/01/2020 03:00:00 | 13 | 6162.5 | 835.0 | 768.75 | -66.25 | 1.08 | 0.00 | 3.354 | 31.368516 |
| Bambavde 132kV | 12/01/2020 03:15:00 | 14 | 6162.5 | 840.0 | 918.75 | 78.75 | 1.28 | 0.00 | 3.022 | 0.000000 |
| Bambavde 132kV | 12/01/2020 03:30:00 | 15 | 6162.5 | 837.5 | 1079.69 | 242.19 | 3.93 | 0.00 | 3.354 | 0.000000 |
| Bambavde 132kV | 12/01/2020 03:45:00 | 16 | 6162.5 | 835.0 | 1112.5 | 277.5 | 4.5 | 0.00 | 2.152 | 0.000000 |
| Bambavde 132kV | 12/01/2020 04:00:00 | 17 | 6162.5 | 835.0 | 1695.31 | 860.31 | 13.96 | 0.00 | -2.152 | 0.000000 |
| Bambavde 132kV | 12/01/2020 04:15:00 | 18 | 6162.5 | 840.0 | 1489.06 | 649.06 | 10.53 | 0.00 | -3.022 | 0.000000 |
| Bambavde 132kV | 12/01/2020 04:30:00 | 19 | 6162.5 | 837.5 | 1276.56 | 439.06 | 7.12 | 0.00 | 1.076 | 0.000000 |
| Bambavde 132kV | 12/01/2020 04:45:00 | 20 | 6162.5 | 835.0 | 1023.44 | 188.44 | 3.06 | 0.00 | -3.022 | 0.000000 |
| Bambavde 132kV | 12/01/2020 05:00:00 | 21 | 6162.5 | 840.0 | 1023.44 | 183.44 | 2.98 | 0.00 | 3.686 | 0.000000 |
| Bambavde 132kV | 12/01/2020 05:15:00 | 22 | 6162.5 | 837.5 | 959.38 | 121.88 | 1.98 | 0.00 | 3.686 | 0.000000 |
| Bambavde 132kV | 12/01/2020 05:30:00 | 23 | 6162.5 | 835.0 | 918.75 | 83.75 | 1.36 | 0.00 | -1.614 | 0.000000 |
| Bambavde 132kV | 12/01/2020 05:45:00 | 24 | 6162.5 | 840.0 | 818.75 | -21.25 | 0.34 | 0.00 | -0.496 | 0.000000 |
| Bambavde 132kV | 12/01/2020 06:00:00 | 25 | 6162.5 | 837.5 | 696.88 | -140.62 | 2.28 | 0.00 | 0.000 | 0.000000 |
| Bambavde 132kV | 12/01/2020 06:15:00 | 26 | 6162.5 | 835.0 | 875.0 | 40.0 | 0.65 | 0.00 | -0.430 | 0.000000 |
| Bambavde 132kV | 12/01/2020 06:30:00 | 27 | 6162.5 | 840.0 | 751.56 | -88.44 | 1.44 | 0.00 | -2.152 | 0.000000 |
| Bambavde 132kV | 12/01/2020 06:45:00 | 28 | 6162.5 | 837.5 | 971.88 | 134.38 | 2.18 | 0.00 | 4.681 | 0.000000 |
| Bambavde 132kV | 12/01/2020 07:00:00 | 29 | 6162.5 | 835.0 | 1000.0 | 165.0 | 2.68 | 0.00 | 1.614 | 0.000000 |
| Bambavde 132kV | 12/01/2020 07:15:00 | 30 | 6162.5 | 840.0 | 910.94 | 70.94 | 1.15 | 0.00 | 3.838 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bambavde 132kV | 12/01/2020 07:30:00 | 31 | 6162.5 | 837.5 | 884.38 | 46.88 | 0.76 | 0.00 | 3.022 | 0.000000 |
| Bambavde 132kV | 12/01/2020 07:45:00 | 32 | 6162.5 | 835.0 | 792.19 | -42.81 | 0.69 | 0.00 | 2.690 | 0.000000 |
| Bambavde 132kV | 12/01/2020 08:00:00 | 33 | 6162.5 | 837.5 | 671.88 | -165.62 | 2.69 | 0.00 | -2.690 | 0.000000 |
| Bambavde 132kV | 12/01/2020 08:15:00 | 34 | 6162.5 | 835.0 | 675.0 | -160.0 | 2.6 | 0.00 | -4.018 | 0.000000 |
| Bambavde 132kV | 12/01/2020 08:30:00 | 35 | 6162.5 | 840.0 | 626.56 | -213.44 | 3.46 | 0.00 | -2.690 | 0.000000 |
| Bambavde 132kV | 12/01/2020 08:45:00 | 36 | 6162.5 | 837.5 | 529.69 | -307.81 | 4.99 | 0.00 | 3.022 | 0.000000 |
| Bambavde 132kV | 12/01/2020 09:00:00 | 37 | 6162.5 | 835.0 | 489.06 | -345.94 | 5.61 | 0.00 | -3.354 | 0.000000 |
| Bambavde 132kV | 12/01/2020 09:15:00 | 38 | 6162.5 | 840.0 | 556.25 | -283.75 | 4.6 | 0.00 | -4.350 | 0.000000 |
| Bambavde 132kV | 12/01/2020 09:30:00 | 39 | 6162.5 | 837.5 | 721.88 | -115.62 | 1.88 | 0.00 | 2.152 | 0.000000 |
| Bambavde 132kV | 12/01/2020 09:45:00 | 40 | 6162.5 | 835.0 | 775.0 | -60.0 | 0.97 | 0.00 | -2.690 | 0.000000 |
| Bambavde 132kV | 12/01/2020 10:00:00 | 41 | 6162.5 | 840.0 | 960.94 | 120.94 | 1.96 | 0.00 | -3.354 | -4.474018 |
| Bambavde 132kV | 12/01/2020 10:15:00 | 42 | 6162.5 | 837.5 | 1332.81 | 495.31 | 8.04 | 0.00 | -3.686 | -26.175754 |
| Bambavde 132kV | 12/01/2020 10:30:00 | 43 | 6162.5 | 835.0 | 1757.81 | 922.81 | 14.97 | 0.00 | -1.614 | -31.002290 |
| Bambavde 132kV | 12/01/2020 10:45:00 | 44 | 6162.5 | 835.0 | 1146.88 | 311.88 | 5.06 | 0.00 | 3.686 | 0.000000 |
| Bambavde 132kV | 12/01/2020 11:00:00 | 45 | 6162.5 | 840.0 | 928.12 | 88.12 | 1.43 | 0.00 | -3.354 | -13.115619 |
| Bambavde 132kV | 12/01/2020 11:15:00 | 46 | 6162.5 | 837.5 | 910.94 | 73.44 | 1.19 | 0.00 | -5.450 | -32.336495 |
| Bambavde 132kV | 12/01/2020 11:30:00 | 47 | 6162.5 | 835.0 | 1000.0 | 165.0 | 2.68 | 0.00 | -6.009 | -31.458393 |
| Bambavde 132kV | 12/01/2020 11:45:00 | 48 | 6162.5 | 840.0 | 807.81 | -32.19 | 0.52 | 0.00 | 2.690 | 0.000000 |
| Bambavde 132kV | 12/01/2020 12:00:00 | 49 | 6162.5 | 837.5 | 632.81 | -204.69 | 3.32 | 0.00 | 3.686 | 0.000000 |
| Bambavde 132kV | 12/01/2020 12:15:00 | 50 | 6162.5 | 835.0 | 350.0 | -485.0 | 7.87 | 0.00 | -5.345 | 0.000000 |
| Bambavde 132kV | 12/01/2020 12:30:00 | 51 | 6162.5 | 840.0 | 237.5 | -602.5 | 9.78 | 0.00 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bambavde 132kV | 12/01/2020 12:45:00 | 52 | 6162.5 | 837.5 | 206.25 | -631.25 | 10.24 | 0.00 | -5.345 | 0.000000 |
| Bambavde 132kV | 12/01/2020 13:00:00 | 53 | 6162.5 | 835.0 | 184.38 | -650.62 | 10.56 | 0.00 | -3.999 | 0.000000 |
| Bambavde 132kV | 12/01/2020 13:15:00 | 54 | 6162.5 | 840.0 | 137.5 | -702.5 | 11.4 | 0.00 | -4.350 | 0.000000 |
| Bambavde 132kV | 12/01/2020 13:30:00 | 55 | 6162.5 | 837.5 | 135.94 | -701.56 | 11.38 | 0.00 | -1.076 | 0.000000 |
| Bambavde 132kV | 12/01/2020 13:45:00 | 56 | 6162.5 | 835.0 | 121.88 | -713.12 | 11.57 | 0.00 | -2.690 | 0.000000 |
| Bambavde 132kV | 12/01/2020 14:00:00 | 57 | 6162.5 | 840.0 | 90.62 | -749.38 | 12.16 | 0.00 | -0.538 | 0.000000 |
| Bambavde 132kV | 12/01/2020 14:15:00 | 58 | 6162.5 | 837.5 | 35.94 | -801.56 | 13.01 | 0.00 | -2.152 | 0.000000 |
| Bambavde 132kV | 12/01/2020 14:30:00 | 59 | 6162.5 | 837.5 | 9.38 | -828.12 | 13.44 | 0.00 | -2.690 | 0.000000 |
| Bambavde 132kV | 12/01/2020 14:45:00 | 60 | 6162.5 | 835.0 | 92.19 | -742.81 | 12.05 | 0.00 | -1.076 | 0.000000 |
| Bambavde 132kV | 12/01/2020 15:00:00 | 61 | 6162.5 | 840.0 | 7.81 | -832.19 | 13.5 | 0.00 | 0.000 | 0.000000 |
| Bambavde 132kV | 12/01/2020 15:15:00 | 62 | 6162.5 | 837.5 | 46.88 | -790.62 | 12.83 | 0.00 | -2.690 | 0.000000 |
| Bambavde 132kV | 12/01/2020 15:30:00 | 63 | 6162.5 | 835.0 | 1.56 | -833.44 | 13.52 | 0.00 | -3.022 | 0.000000 |
| Bambavde 132kV | 12/01/2020 15:45:00 | 64 | 6162.5 | 840.0 | 0.0 | -840.0 | 13.63 | 0.00 | -3.686 | 0.000000 |
| Bambavde 132kV | 12/01/2020 16:00:00 | 65 | 6162.5 | 837.5 | 18.75 | -818.75 | 13.29 | 0.00 | -3.737 | 0.000000 |
| Bambavde 132kV | 12/01/2020 16:15:00 | 66 | 6162.5 | 835.0 | 3.12 | -831.88 | 13.5 | 0.00 | -5.786 | 0.000000 |
| Bambavde 132kV | 12/01/2020 16:30:00 | 67 | 6162.5 | 840.0 | 0.0 | -840.0 | 13.63 | 0.00 | -4.350 | 0.000000 |
| Bambavde 132kV | 12/01/2020 16:45:00 | 68 | 6162.5 | 837.5 | 0.0 | -837.5 | 13.59 | 0.00 | -1.614 | 0.000000 |
| Bambavde 132kV | 12/01/2020 17:00:00 | 69 | 6162.5 | 835.0 | 0.0 | -835.0 | 13.55 | 0.00 | 0.000 | 0.000000 |
| Bambavde 132kV | 12/01/2020 17:15:00 | 70 | 6162.5 | 835.0 | 0.0 | -835.0 | 13.55 | 0.00 | 2.690 | 216.476897 |
| Bambavde 132kV | 12/01/2020 17:30:00 | 71 | 6162.5 | 840.0 | 0.0 | -840.0 | 13.63 | 0.00 | -3.022 | 0.000000 |
| Bambavde 132kV | 12/01/2020 17:45:00 | 72 | 6162.5 | 837.5 | 0.0 | -837.5 | 13.59 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bambavde 132kV | 12/01/2020 18:00:00 | 73 | 6162.5 | 835.0 | 0.0 | -835.0 | 13.55 | 0.00 | -0.538 | 0.000000 |
| Bambavde 132kV | 12/01/2020 18:15:00 | 74 | 6162.5 | 840.0 | 0.0 | -840.0 | 13.63 | 0.00 | -4.350 | 0.000000 |
| Bambavde 132kV | 12/01/2020 18:30:00 | 75 | 6162.5 | 837.5 | 0.0 | -837.5 | 13.59 | 0.00 | 2.690 | 144.020799 |
| Bambavde 132kV | 12/01/2020 18:45:00 | 76 | 6162.5 | 835.0 | 0.0 | -835.0 | 13.55 | 0.00 | 3.022 | 925.068232 |
| Bambavde 132kV | 12/01/2020 19:00:00 | 77 | 6162.5 | 840.0 | 0.0 | -840.0 | 13.63 | 0.00 | 3.686 | 298.919878 |
| Bambavde 132kV | 12/01/2020 19:15:00 | 78 | 6162.5 | 837.5 | 0.0 | -837.5 | 13.59 | 0.00 | 2.690 | 17.690558 |
| Bambavde 132kV | 12/01/2020 19:30:00 | 79 | 6162.5 | 835.0 | 0.0 | -835.0 | 13.55 | 0.00 | -3.022 | 0.000000 |
| Bambavde 132kV | 12/01/2020 19:45:00 | 80 | 6162.5 | 840.0 | 0.0 | -840.0 | 13.63 | 0.00 | -1.781 | 0.000000 |
| Bambavde 132kV | 12/01/2020 20:00:00 | 81 | 6162.5 | 837.5 | 0.0 | -837.5 | 13.59 | 0.00 | -3.021 | 0.000000 |
| Bambavde 132kV | 12/01/2020 20:15:00 | 82 | 6162.5 | 835.0 | 0.0 | -835.0 | 13.55 | 0.00 | -4.018 | 0.000000 |
| Bambavde 132kV | 12/01/2020 20:30:00 | 83 | 6162.5 | 840.0 | 0.0 | -840.0 | 13.63 | 0.00 | -3.354 | 0.000000 |
| Bambavde 132kV | 12/01/2020 20:45:00 | 84 | 6162.5 | 837.5 | 0.0 | -837.5 | 13.59 | 0.00 | -1.614 | 0.000000 |
| Bambavde 132kV | 12/01/2020 21:00:00 | 85 | 6162.5 | 840.0 | 0.0 | -840.0 | 13.63 | 0.00 | -4.350 | 0.000000 |
| Bambavde 132kV | 12/01/2020 21:15:00 | 86 | 6162.5 | 837.5 | 0.0 | -837.5 | 13.59 | 0.00 | -3.686 | 0.000000 |
| Bambavde 132kV | 12/01/2020 21:30:00 | 87 | 6162.5 | 835.0 | 0.0 | -835.0 | 13.55 | 0.00 | -1.614 | 0.000000 |
| Bambavde 132kV | 12/01/2020 21:45:00 | 88 | 6162.5 | 840.0 | 0.0 | -840.0 | 13.63 | 0.00 | 0.000 | 0.000000 |
| Bambavde 132kV | 12/01/2020 22:00:00 | 89 | 6162.5 | 837.5 | 0.0 | -837.5 | 13.59 | 0.00 | -3.354 | 0.000000 |
| Bambavde 132kV | 12/01/2020 22:15:00 | 90 | 6162.5 | 835.0 | 0.0 | -835.0 | 13.55 | 0.00 | 4.350 | 1019.493934 |
| Bambavde 132kV | 12/01/2020 22:30:00 | 91 | 6162.5 | 840.0 | 0.0 | -840.0 | 13.63 | 0.00 | 5.215 | 1934.214754 |
| Bambavde 132kV | 12/01/2020 22:45:00 | 92 | 6162.5 | 837.5 | 0.0 | -837.5 | 13.59 | 0.00 | 3.022 | 188.780617 |
| Bambavde 132kV | 12/01/2020 23:00:00 | 93 | 6162.5 | 835.0 | 0.0 | -835.0 | 13.55 | 0.00 | 3.022 | 412.258371 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bambavde 132kV | 12/01/2020 23:15:00 | 94 | 6162.5 | 840.0 | 0.0 | -840.0 | 13.63 | 0.00 | 2.152 | 412.950381 |
| Bambavde 132kV | 12/01/2020 23:30:00 | 95 | 6162.5 | 837.5 | 0.0 | -837.5 | 13.59 | 0.00 | 2.152 | 236.927945 |
| Bambavde 132kV | 12/01/2020 23:45:00 | 96 | 6162.5 | 835.0 | 0.0 | -835.0 | 13.55 | 0.00 | 2.152 | 271.415593 |
| Bothe 220kV | 06/01/2020 00:00:00 | 1 | 49925.0 | 20035.0 | 23446.88 | 3411.88 | 6.83 | 0.00 | 2.903 | 0.000000 |
| Bothe 220kV | 06/01/2020 00:15:00 | 2 | 49925.0 | 19817.5 | 24059.38 | 4241.88 | 8.5 | 0.00 | 0.000 | 0.000000 |
| Bothe 220kV | 06/01/2020 00:30:00 | 3 | 49925.0 | 19432.5 | 23912.5 | 4480.0 | 8.97 | 0.00 | 0.000 | 0.000000 |
| Bothe 220kV | 06/01/2020 00:45:00 | 4 | 49925.0 | 19270.0 | 27562.5 | 8292.5 | 16.61 | 401.88 | -0.984 | 0.000000 |
| Bothe 220kV | 06/01/2020 01:00:00 | 5 | 49925.0 | 18475.0 | 29071.88 | 10596.88 | 21.23 | 1554.07 | -3.541 | 0.000000 |
| Bothe 220kV | 06/01/2020 01:15:00 | 6 | 49925.0 | 22535.0 | 30737.5 | 8202.5 | 16.43 | 356.88 | 3.222 | 0.000000 |
| Bothe 220kV | 06/01/2020 01:30:00 | 7 | 49925.0 | 22317.5 | 34346.88 | 12029.38 | 24.09 | 2270.32 | 3.541 | 0.000000 |
| Bothe 220kV | 06/01/2020 01:45:00 | 8 | 49925.0 | 21932.5 | 36281.25 | 14348.75 | 28.74 | 4363.75 | 2.352 | 0.000000 |
| Bothe 220kV | 06/01/2020 02:00:00 | 9 | 49925.0 | 21770.0 | 37112.5 | 15342.5 | 30.73 | 5357.50 | 1.747 | 0.000000 |
| Bothe 220kV | 06/01/2020 02:15:00 | 10 | 49925.0 | 20975.0 | 37193.75 | 16218.75 | 32.49 | 6233.75 | 0.581 | 0.000000 |
| Bothe 220kV | 06/01/2020 02:30:00 | 11 | 49925.0 | 32317.5 | 36715.62 | 4398.12 | 8.81 | 0.00 | -2.323 | 0.000000 |
| Bothe 220kV | 06/01/2020 02:45:00 | 12 | 49925.0 | 31932.5 | 37240.62 | 5308.12 | 10.63 | 0.00 | 2.323 | 0.000000 |
| Bothe 220kV | 06/01/2020 03:00:00 | 13 | 49925.0 | 31770.0 | 36403.12 | 4633.12 | 9.28 | 0.00 | 2.323 | 0.000000 |
| Bothe 220kV | 06/01/2020 03:15:00 | 14 | 49925.0 | 30975.0 | 35459.38 | 4484.38 | 8.98 | 0.00 | -1.742 | -135.048641 |
| Bothe 220kV | 06/01/2020 03:30:00 | 15 | 49925.0 | 30232.5 | 35146.88 | 4914.38 | 9.84 | 0.00 | 3.222 | 0.000000 |
| Bothe 220kV | 06/01/2020 03:45:00 | 16 | 49925.0 | 30112.5 | 35650.0 | 5537.5 | 11.09 | 0.00 | 3.541 | 0.000000 |
| Bothe 220kV | 06/01/2020 04:00:00 | 17 | 49925.0 | 34995.0 | 35737.5 | 742.5 | 1.49 | 0.00 | 4.496 | 0.000000 |
| Bothe 220kV | 06/01/2020 04:15:00 | 18 | 49925.0 | 34862.5 | 36790.62 | 1928.12 | 3.86 | 0.00 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bothe 220kV | 06/01/2020 04:30:00 | 19 | 49925.0 | 34755.0 | 37125.0 | 2370.0 | 4.75 | 0.00 | 3.859 | 0.000000 |
| Bothe 220kV | 06/01/2020 04:45:00 | 20 | 49925.0 | 34547.5 | 36018.75 | 1471.25 | 2.95 | 0.00 | 4.815 | 0.000000 |
| Bothe 220kV | 06/01/2020 05:00:00 | 21 | 49925.0 | 34215.0 | 35434.38 | 1219.38 | 2.44 | 0.00 | 3.859 | 0.000000 |
| Bothe 220kV | 06/01/2020 05:15:00 | 22 | 49925.0 | 33442.5 | 35800.0 | 2357.5 | 4.72 | 0.00 | 6.407 | 0.000000 |
| Bothe 220kV | 06/01/2020 05:30:00 | 23 | 49925.0 | 35062.5 | 35434.38 | 371.88 | 0.74 | 0.00 | 6.496 | 0.000000 |
| Bothe 220kV | 06/01/2020 05:45:00 | 24 | 49925.0 | 35087.5 | 35337.5 | 250.0 | 0.5 | 0.00 | 7.492 | 0.000000 |
| Bothe 220kV | 06/01/2020 06:00:00 | 25 | 49925.0 | 35162.5 | 35037.5 | -125.0 | 0.25 | 0.00 | -5.452 | 0.000000 |
| Bothe 220kV | 06/01/2020 06:15:00 | 26 | 49925.0 | 35062.5 | 35718.75 | 656.25 | 1.31 | 0.00 | -6.089 | 0.000000 |
| Bothe 220kV | 06/01/2020 06:30:00 | 27 | 49925.0 | 35162.5 | 34896.88 | -265.62 | 0.53 | 0.00 | -7.044 | 0.000000 |
| Bothe 220kV | 06/01/2020 06:45:00 | 28 | 49925.0 | 35087.5 | 34237.5 | -850.0 | 1.7 | 0.00 | 7.682 | 0.000000 |
| Bothe 220kV | 06/01/2020 07:00:00 | 29 | 49925.0 | 35085.0 | 34456.25 | -628.75 | 1.26 | 0.00 | -3.859 | 0.000000 |
| Bothe 220kV | 06/01/2020 07:15:00 | 30 | 49925.0 | 35137.5 | 33668.75 | -1468.75 | 2.94 | 0.00 | 4.815 | 729.260961 |
| Bothe 220kV | 06/01/2020 07:30:00 | 31 | 49925.0 | 35162.5 | 31484.38 | -3678.12 | 7.37 | 0.00 | 4.178 | 0.000000 |
| Bothe 220kV | 06/01/2020 07:45:00 | 32 | 49925.0 | 28562.5 | 22765.62 | -5796.88 | 11.61 | 0.00 | -3.540 | 0.000000 |
| Bothe 220kV | 06/01/2020 08:00:00 | 33 | 49925.0 | 28312.5 | 19462.5 | -8850.0 | 17.73 | 680.63 | -3.859 | 0.000000 |
| Bothe 220kV | 06/01/2020 08:15:00 | 34 | 49925.0 | 28062.5 | 18365.62 | -9696.88 | 19.42 | 1104.07 | -5.452 | 0.000000 |
| Bothe 220kV | 06/01/2020 08:30:00 | 35 | 49925.0 | 26445.0 | 14903.12 | -11541.88 | 23.12 | 2026.57 | 4.178 | 0.000000 |
| Bothe 220kV | 06/01/2020 08:45:00 | 36 | 49925.0 | 24722.5 | 12996.88 | -11725.62 | 23.49 | 2118.44 | -3.859 | 0.000000 |
| Bothe 220kV | 06/01/2020 09:00:00 | 37 | 49925.0 | 23862.5 | 12453.12 | -11409.38 | 22.85 | 1960.32 | -6.407 | 0.000000 |
| Bothe 220kV | 06/01/2020 09:15:00 | 38 | 49925.0 | 23270.0 | 15684.38 | -7585.62 | 15.19 | 48.44 | -8.000 | 0.000000 |
| Bothe 220kV | 06/01/2020 09:30:00 | 39 | 49925.0 | 22665.0 | 16396.88 | -6268.12 | 12.56 | 0.00 | -5.770 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bothe 220kV | 06/01/2020 09:45:00 | 40 | 49925.0 | 8862.5 | 17146.88 | 8284.38 | 16.59 | 397.82 | 3.222 | 0.000000 |
| Bothe 220kV | 06/01/2020 10:00:00 | 41 | 49925.0 | 8362.5 | 17028.12 | 8665.62 | 17.36 | 588.44 | -2.903 | -1182.400766 |
| Bothe 220kV | 06/01/2020 10:15:00 | 42 | 49925.0 | 7862.5 | 17828.12 | 9965.62 | 19.96 | 1238.44 | -3.222 | -280.250195 |
| Bothe 220kV | 06/01/2020 10:30:00 | 43 | 49925.0 | 7552.5 | 18468.75 | 10916.25 | 21.87 | 1713.75 | 4.815 | 0.000000 |
| Bothe 220kV | 06/01/2020 10:45:00 | 44 | 49925.0 | 7415.0 | 15187.5 | 7772.5 | 15.57 | 141.88 | 4.496 | 0.000000 |
| Bothe 220kV | 06/01/2020 11:00:00 | 45 | 49925.0 | 7382.5 | 14859.38 | 7476.88 | 14.98 | 0.00 | 16.000 | 0.000000 |
| Bothe 220kV | 06/01/2020 11:15:00 | 46 | 49925.0 | 7472.5 | 15181.25 | 7708.75 | 15.44 | 110.00 | 5.133 | 0.000000 |
| Bothe 220kV | 06/01/2020 11:30:00 | 47 | 49925.0 | 18112.5 | 14475.0 | -3637.5 | 7.29 | 0.00 | 1.182 | 0.000000 |
| Bothe 220kV | 06/01/2020 11:45:00 | 48 | 49925.0 | 18030.0 | 13115.62 | -4914.38 | 9.84 | 0.00 | 6.308 | 0.000000 |
| Bothe 220kV | 06/01/2020 12:00:00 | 49 | 49925.0 | 17950.0 | 11637.5 | -6312.5 | 12.64 | 0.00 | 6.598 | 0.000000 |
| Bothe 220kV | 06/01/2020 12:15:00 | 50 | 49925.0 | 17502.5 | 8446.88 | -9055.62 | 18.14 | 783.44 | 5.431 | 0.000000 |
| Bothe 220kV | 06/01/2020 12:30:00 | 51 | 49925.0 | 17220.0 | 6956.25 | -10263.75 | 20.56 | 1387.50 | 3.540 | 0.000000 |
| Bothe 220kV | 06/01/2020 12:45:00 | 52 | 49925.0 | 16882.5 | 6368.75 | -10513.75 | 21.06 | 1512.50 | -2.903 | 0.000000 |
| Bothe 220kV | 06/01/2020 13:00:00 | 53 | 49925.0 | 16422.5 | 6021.88 | -10400.62 | 20.83 | 1455.94 | -1.161 | 0.000000 |
| Bothe 220kV | 06/01/2020 13:15:00 | 54 | 49925.0 | 15987.5 | 5728.12 | -10259.38 | 20.55 | 1385.32 | 3.859 | 0.000000 |
| Bothe 220kV | 06/01/2020 13:30:00 | 55 | 49925.0 | 9887.5 | 6100.0 | -3787.5 | 7.59 | 0.00 | -6.407 | 0.000000 |
| Bothe 220kV | 06/01/2020 13:45:00 | 56 | 49925.0 | 9510.0 | 6256.25 | -3253.75 | 6.52 | 0.00 | 5.452 | 0.000000 |
| Bothe 220kV | 06/01/2020 14:00:00 | 57 | 49925.0 | 9582.5 | 5771.88 | -3810.62 | 7.63 | 0.00 | 5.452 | 0.000000 |
| Bothe 220kV | 06/01/2020 14:15:00 | 58 | 49925.0 | 9537.5 | 5743.75 | -3793.75 | 7.6 | 0.00 | 16.000 | 0.000000 |
| Bothe 220kV | 06/01/2020 14:30:00 | 59 | 49925.0 | 8385.0 | 6415.62 | -1969.38 | 3.94 | 0.00 | 6.035 | 0.000000 |
| Bothe 220kV | 06/01/2020 14:45:00 | 60 | 49925.0 | 8135.0 | 6900.0 | -1235.0 | 2.47 | 0.00 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bothe 220kV | 06/01/2020 15:00:00 | 61 | 49925.0 | 7927.5 | 6815.62 | -1111.88 | 2.23 | 0.00 | 3.367 | 0.000000 |
| Bothe 220kV | 06/01/2020 15:15:00 | 62 | 49925.0 | 7962.5 | 6168.75 | -1793.75 | 3.59 | 0.00 | 3.904 | 0.000000 |
| Bothe 220kV | 06/01/2020 15:30:00 | 63 | 49925.0 | 7385.0 | 5946.88 | -1438.12 | 2.88 | 0.00 | 4.482 | 0.000000 |
| Bothe 220kV | 06/01/2020 15:45:00 | 64 | 49925.0 | 7382.5 | 4259.38 | -3123.12 | 6.26 | 0.00 | 4.225 | 0.000000 |
| Bothe 220kV | 06/01/2020 16:00:00 | 65 | 49925.0 | 7472.5 | 3275.0 | -4197.5 | 8.41 | 0.00 | 2.895 | 0.000000 |
| Bothe 220kV | 06/01/2020 16:15:00 | 66 | 49925.0 | 7285.0 | 4075.0 | -3210.0 | 6.43 | 0.00 | 6.089 | 0.000000 |
| Bothe 220kV | 06/01/2020 16:30:00 | 67 | 49925.0 | 7387.5 | 3896.88 | -3490.62 | 6.99 | 0.00 | -8.000 | 0.000000 |
| Bothe 220kV | 06/01/2020 16:45:00 | 68 | 49925.0 | 7382.5 | 2518.75 | -4863.75 | 9.74 | 0.00 | -4.178 | 0.000000 |
| Bothe 220kV | 06/01/2020 17:00:00 | 69 | 49925.0 | 7365.0 | 2137.5 | -5227.5 | 10.47 | 0.00 | 1.742 | 0.000000 |
| Bothe 220kV | 06/01/2020 17:15:00 | 70 | 49925.0 | 7352.5 | 1381.25 | -5971.25 | 11.96 | 0.00 | 2.903 | 0.000000 |
| Bothe 220kV | 06/01/2020 17:30:00 | 71 | 49925.0 | 7417.5 | 678.12 | -6739.38 | 13.5 | 0.00 | -4.178 | 0.000000 |
| Bothe 220kV | 06/01/2020 17:45:00 | 72 | 49925.0 | 7290.0 | 150.0 | -7140.0 | 14.3 | 0.00 | -2.323 | 0.000000 |
| Bothe 220kV | 06/01/2020 18:00:00 | 73 | 49925.0 | 7450.0 | 96.88 | -7353.12 | 14.73 | 0.00 | -2.903 | 0.000000 |
| Bothe 220kV | 06/01/2020 18:15:00 | 74 | 49925.0 | 7307.5 | 0.0 | -7307.5 | 14.64 | 0.00 | 1.161 | 1900.384750 |
| Bothe 220kV | 06/01/2020 18:30:00 | 75 | 49925.0 | 7400.0 | 0.0 | -7400.0 | 14.82 | 0.00 | 2.903 | 6302.828856 |
| Bothe 220kV | 06/01/2020 18:45:00 | 76 | 49925.0 | 7390.0 | 0.0 | -7390.0 | 14.8 | 0.00 | 2.903 | 149.006201 |
| Bothe 220kV | 06/01/2020 19:00:00 | 77 | 49925.0 | 7400.0 | 0.0 | -7400.0 | 14.82 | 0.00 | -1.161 | 0.000000 |
| Bothe 220kV | 06/01/2020 19:15:00 | 78 | 49925.0 | 7362.5 | 0.0 | -7362.5 | 14.75 | 0.00 | -4.178 | 0.000000 |
| Bothe 220kV | 06/01/2020 19:30:00 | 79 | 49925.0 | 7392.5 | 0.0 | -7392.5 | 14.81 | 0.00 | -2.323 | 0.000000 |
| Bothe 220kV | 06/01/2020 19:45:00 | 80 | 49925.0 | 7460.0 | 0.0 | -7460.0 | 14.94 | 0.00 | -4.178 | 0.000000 |
| Bothe 220kV | 06/01/2020 20:00:00 | 81 | 49925.0 | 7310.0 | 0.0 | -7310.0 | 14.64 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bothe 220kV | 06/01/2020 20:15:00 | 82 | 49925.0 | 7415.0 | 0.0 | -7415.0 | 14.85 | 0.00 | -5.770 | 0.000000 |
| Bothe 220kV | 06/01/2020 20:30:00 | 83 | 49925.0 | 7382.5 | 0.0 | -7382.5 | 14.79 | 0.00 | 5.770 | 1005.889085 |
| Bothe 220kV | 06/01/2020 20:45:00 | 84 | 49925.0 | 7472.5 | 0.0 | -7472.5 | 14.97 | 0.00 | 4.178 | 3090.277389 |
| Bothe 220kV | 06/01/2020 21:00:00 | 85 | 49925.0 | 7285.0 | 0.0 | -7285.0 | 14.59 | 0.00 | 3.222 | 1593.793679 |
| Bothe 220kV | 06/01/2020 21:15:00 | 86 | 49925.0 | 7387.5 | 0.0 | -7387.5 | 14.8 | 0.00 | -1.742 | 0.000000 |
| Bothe 220kV | 06/01/2020 21:30:00 | 87 | 49925.0 | 7382.5 | 0.0 | -7382.5 | 14.79 | 0.00 | 0.000 | 0.000000 |
| Bothe 220kV | 06/01/2020 21:45:00 | 88 | 49925.0 | 7365.0 | 0.0 | -7365.0 | 14.75 | 0.00 | 1.161 | 0.000000 |
| Bothe 220kV | 06/01/2020 22:00:00 | 89 | 49925.0 | 7352.5 | 0.0 | -7352.5 | 14.73 | 0.00 | 4.815 | 4305.087857 |
| Bothe 220kV | 06/01/2020 22:15:00 | 90 | 49925.0 | 7417.5 | 0.0 | -7417.5 | 14.86 | 0.00 | 3.859 | 4480.919542 |
| Bothe 220kV | 06/01/2020 22:30:00 | 91 | 49925.0 | 7290.0 | 6.25 | -7283.75 | 14.59 | 0.00 | 1.742 | 0.000000 |
| Bothe 220kV | 06/01/2020 22:45:00 | 92 | 49925.0 | 7450.0 | 68.75 | -7381.25 | 14.78 | 0.00 | -2.323 | 0.000000 |
| Bothe 220kV | 06/01/2020 23:00:00 | 93 | 49925.0 | 7307.5 | 31.25 | -7276.25 | 14.57 | 0.00 | -2.903 | 0.000000 |
| Bothe 220kV | 06/01/2020 23:15:00 | 94 | 49925.0 | 7400.0 | 137.5 | -7262.5 | 14.55 | 0.00 | 2.323 | 0.000000 |
| Bothe 220kV | 06/01/2020 23:30:00 | 95 | 49925.0 | 7390.0 | 296.88 | -7093.12 | 14.21 | 0.00 | -3.222 | 0.000000 |
| Bothe 220kV | 06/01/2020 23:45:00 | 96 | 49925.0 | 7400.0 | 953.12 | -6446.88 | 12.91 | 0.00 | 2.323 | 0.000000 |
| Bothe 220kV | 07/01/2020 00:00:00 | 1 | 49925.0 | 7385.0 | 2809.38 | -4575.62 | 9.16 | 0.00 | -0.549 | 0.000000 |
| Bothe 220kV | 07/01/2020 00:15:00 | 2 | 49925.0 | 7382.5 | 5681.25 | -1701.25 | 3.41 | 0.00 | -1.647 | 0.000000 |
| Bothe 220kV | 07/01/2020 00:30:00 | 3 | 49925.0 | 7472.5 | 7331.25 | -141.25 | 0.28 | 0.00 | -3.073 | 0.000000 |
| Bothe 220kV | 07/01/2020 00:45:00 | 4 | 49925.0 | 7285.0 | 7603.12 | 318.12 | 0.64 | 0.00 | -2.744 | 0.000000 |
| Bothe 220kV | 07/01/2020 01:00:00 | 5 | 49925.0 | 7387.5 | 8162.5 | 775.0 | 1.55 | 0.00 | -4.058 | 0.000000 |
| Bothe 220kV | 07/01/2020 01:15:00 | 6 | 49925.0 | 7382.5 | 8275.0 | 892.5 | 1.79 | 0.00 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bothe 220kV | 07/01/2020 01:30:00 | 7 | 49925.0 | 7365.0 | 7706.25 | 341.25 | 0.68 | 0.00 | -3.401 | 0.000000 |
| Bothe 220kV | 07/01/2020 01:45:00 | 8 | 49925.0 | 7352.5 | 6703.12 | -649.38 | 1.3 | 0.00 | 3.730 | 0.000000 |
| Bothe 220kV | 07/01/2020 02:00:00 | 9 | 49925.0 | 7417.5 | 5750.0 | -1667.5 | 3.34 | 0.00 | 3.073 | 363.027170 |
| Bothe 220kV | 07/01/2020 02:15:00 | 10 | 49925.0 | 7290.0 | 4562.5 | -2727.5 | 5.46 | 0.00 | 3.073 | 265.521245 |
| Bothe 220kV | 07/01/2020 02:30:00 | 11 | 49925.0 | 7450.0 | 4321.88 | -3128.12 | 6.27 | 0.00 | 3.401 | 425.931288 |
| Bothe 220kV | 07/01/2020 02:45:00 | 12 | 49925.0 | 7307.5 | 4803.12 | -2504.38 | 5.02 | 0.00 | 2.745 | 340.110675 |
| Bothe 220kV | 07/01/2020 03:00:00 | 13 | 49925.0 | 7400.0 | 4612.5 | -2787.5 | 5.58 | 0.00 | 1.647 | 0.000000 |
| Bothe 220kV | 07/01/2020 03:15:00 | 14 | 49925.0 | 7390.0 | 4106.25 | -3283.75 | 6.58 | 0.00 | 2.196 | 210.661368 |
| Bothe 220kV | 07/01/2020 03:30:00 | 15 | 49925.0 | 7400.0 | 3603.12 | -3796.88 | 7.61 | 0.00 | 1.647 | 324.066265 |
| Bothe 220kV | 07/01/2020 03:45:00 | 16 | 49925.0 | 7362.5 | 3462.5 | -3900.0 | 7.81 | 0.00 | 1.098 | 0.000000 |
| Bothe 220kV | 07/01/2020 04:00:00 | 17 | 49925.0 | 7392.5 | 3465.62 | -3926.88 | 7.87 | 0.00 | 1.647 | 1438.023120 |
| Bothe 220kV | 07/01/2020 04:15:00 | 18 | 49925.0 | 7460.0 | 2821.88 | -4638.12 | 9.29 | 0.00 | 2.210 | 3320.699644 |
| Bothe 220kV | 07/01/2020 04:30:00 | 19 | 49925.0 | 7310.0 | 3296.88 | -4013.12 | 8.04 | 0.00 | 3.730 | 4057.231293 |
| Bothe 220kV | 07/01/2020 04:45:00 | 20 | 49925.0 | 7415.0 | 3940.62 | -3474.38 | 6.96 | 0.00 | -1.098 | 0.000000 |
| Bothe 220kV | 07/01/2020 05:00:00 | 21 | 49925.0 | 7382.5 | 4612.5 | -2770.0 | 5.55 | 0.00 | -2.744 | 0.000000 |
| Bothe 220kV | 07/01/2020 05:15:00 | 22 | 49925.0 | 7472.5 | 4693.75 | -2778.75 | 5.57 | 0.00 | 3.730 | 1427.495153 |
| Bothe 220kV | 07/01/2020 05:30:00 | 23 | 49925.0 | 7285.0 | 4812.5 | -2472.5 | 4.95 | 0.00 | 3.073 | 2853.512805 |
| Bothe 220kV | 07/01/2020 05:45:00 | 24 | 49925.0 | 7387.5 | 4637.5 | -2750.0 | 5.51 | 0.00 | 3.730 | 2465.540143 |
| Bothe 220kV | 07/01/2020 06:00:00 | 25 | 49925.0 | 7382.5 | 6762.5 | -620.0 | 1.24 | 0.00 | -5.372 | 0.000000 |
| Bothe 220kV | 07/01/2020 06:15:00 | 26 | 49925.0 | 7385.0 | 6565.62 | -819.38 | 1.64 | 0.00 | 4.556 | 2730.254274 |
| Bothe 220kV | 07/01/2020 06:30:00 | 27 | 49925.0 | 7382.5 | 6528.12 | -854.38 | 1.71 | 0.00 | 7.148 | 4929.080089 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bothe 220kV | 07/01/2020 06:45:00 | 28 | 49925.0 | 7472.5 | 6118.75 | -1353.75 | 2.71 | 0.00 | 7.821 | 7161.626375 |
| Bothe 220kV | 07/01/2020 07:00:00 | 29 | 49925.0 | 7285.0 | 6187.5 | -1097.5 | 2.2 | 0.00 | 5.372 | 2916.548893 |
| Bothe 220kV | 07/01/2020 07:15:00 | 30 | 49925.0 | 7387.5 | 5821.88 | -1565.62 | 3.14 | 0.00 | 16.000 | 0.000000 |
| Bothe 220kV | 07/01/2020 07:30:00 | 31 | 49925.0 | 7382.5 | 5471.88 | -1910.62 | 3.83 | 0.00 | 9.296 | 0.000000 |
| Bothe 220kV | 07/01/2020 07:45:00 | 32 | 49925.0 | 7365.0 | 4575.0 | -2790.0 | 5.59 | 0.00 | 9.794 | 0.000000 |
| Bothe 220kV | 07/01/2020 08:00:00 | 33 | 49925.0 | 7352.5 | 4165.62 | -3186.88 | 6.38 | 0.00 | 3.593 | 0.000000 |
| Bothe 220kV | 07/01/2020 08:15:00 | 34 | 49925.0 | 7417.5 | 5112.5 | -2305.0 | 4.62 | 0.00 | 3.401 | 0.000000 |
| Bothe 220kV | 07/01/2020 08:30:00 | 35 | 49925.0 | 7290.0 | 6162.5 | -1127.5 | 2.26 | 0.00 | 3.245 | 0.000000 |
| Bothe 220kV | 07/01/2020 08:45:00 | 36 | 49925.0 | 7450.0 | 6712.5 | -737.5 | 1.48 | 0.00 | 0.000 | 0.000000 |
| Bothe 220kV | 07/01/2020 09:00:00 | 37 | 49925.0 | 7307.5 | 7328.12 | 20.62 | 0.04 | 0.00 | 2.745 | 0.000000 |
| Bothe 220kV | 07/01/2020 09:15:00 | 38 | 49925.0 | 7400.0 | 7653.12 | 253.12 | 0.51 | 0.00 | 4.715 | 0.000000 |
| Bothe 220kV | 07/01/2020 09:30:00 | 39 | 49925.0 | 7390.0 | 7021.88 | -368.12 | 0.74 | 0.00 | 3.981 | 0.000000 |
| Bothe 220kV | 07/01/2020 09:45:00 | 40 | 49925.0 | 7400.0 | 8153.12 | 753.12 | 1.51 | 0.00 | 3.730 | 0.000000 |
| Bothe 220kV | 07/01/2020 10:00:00 | 41 | 49925.0 | 7362.5 | 10362.5 | 3000.0 | 6.01 | 0.00 | 1.780 | 0.000000 |
| Bothe 220kV | 07/01/2020 10:15:00 | 42 | 49925.0 | 7392.5 | 9543.75 | 2151.25 | 4.31 | 0.00 | 5.643 | 0.000000 |
| Bothe 220kV | 07/01/2020 10:30:00 | 43 | 49925.0 | 7460.0 | 9996.88 | 2536.88 | 5.08 | 0.00 | 4.976 | 0.000000 |
| Bothe 220kV | 07/01/2020 10:45:00 | 44 | 49925.0 | 8530.0 | 9968.75 | 1438.75 | 2.88 | 0.00 | 4.415 | 0.000000 |
| Bothe 220kV | 07/01/2020 11:00:00 | 45 | 49925.0 | 8302.5 | 9909.38 | 1606.88 | 3.22 | 0.00 | 4.476 | 0.000000 |
| Bothe 220kV | 07/01/2020 11:15:00 | 46 | 49925.0 | 8302.5 | 8465.62 | 163.12 | 0.33 | 0.00 | 4.826 | 0.000000 |
| Bothe 220kV | 07/01/2020 11:30:00 | 47 | 49925.0 | 8027.5 | 6581.25 | -1446.25 | 2.9 | 0.00 | 2.289 | 0.000000 |
| Bothe 220kV | 07/01/2020 11:45:00 | 48 | 49925.0 | 7530.0 | 4728.12 | -2801.88 | 5.61 | 0.00 | -0.549 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bothe 220kV | 07/01/2020 12:00:00 | 49 | 49925.0 | 7387.5 | 4187.5 | -3200.0 | 6.41 | 0.00 | 4.727 | 0.000000 |
| Bothe 220kV | 07/01/2020 12:15:00 | 50 | 49925.0 | 8632.5 | 4006.25 | -4626.25 | 9.27 | 0.00 | 4.777 | 0.000000 |
| Bothe 220kV | 07/01/2020 12:30:00 | 51 | 49925.0 | 8540.0 | 3384.38 | -5155.62 | 10.33 | 0.00 | 4.798 | 0.000000 |
| Bothe 220kV | 07/01/2020 12:45:00 | 52 | 49925.0 | 8700.0 | 3184.38 | -5515.62 | 11.05 | 0.00 | -3.401 | 0.000000 |
| Bothe 220kV | 07/01/2020 13:00:00 | 53 | 49925.0 | 8302.5 | 3690.62 | -4611.88 | 9.24 | 0.00 | -2.431 | 0.000000 |
| Bothe 220kV | 07/01/2020 13:15:00 | 54 | 49925.0 | 8302.5 | 4212.5 | -4090.0 | 8.19 | 0.00 | -4.387 | 0.000000 |
| Bothe 220kV | 07/01/2020 13:30:00 | 55 | 49925.0 | 7390.0 | 4909.38 | -2480.62 | 4.97 | 0.00 | -3.401 | 0.000000 |
| Bothe 220kV | 07/01/2020 13:45:00 | 56 | 49925.0 | 7400.0 | 5634.38 | -1765.62 | 3.54 | 0.00 | -5.044 | 0.000000 |
| Bothe 220kV | 07/01/2020 14:00:00 | 57 | 49925.0 | 7362.5 | 6596.88 | -765.62 | 1.53 | 0.00 | 4.215 | 0.000000 |
| Bothe 220kV | 07/01/2020 14:15:00 | 58 | 49925.0 | 7392.5 | 6721.88 | -670.62 | 1.34 | 0.00 | 9.552 | 0.000000 |
| Bothe 220kV | 07/01/2020 14:30:00 | 59 | 49925.0 | 7460.0 | 6031.25 | -1428.75 | 2.86 | 0.00 | 6.358 | 0.000000 |
| Bothe 220kV | 07/01/2020 14:45:00 | 60 | 49925.0 | 7310.0 | 5271.88 | -2038.12 | 4.08 | 0.00 | 2.744 | 0.000000 |
| Bothe 220kV | 07/01/2020 15:00:00 | 61 | 49925.0 | 7415.0 | 4803.12 | -2611.88 | 5.23 | 0.00 | -3.073 | 0.000000 |
| Bothe 220kV | 07/01/2020 15:15:00 | 62 | 49925.0 | 7382.5 | 4631.25 | -2751.25 | 5.51 | 0.00 | -4.058 | 0.000000 |
| Bothe 220kV | 07/01/2020 15:30:00 | 63 | 49925.0 | 7472.5 | 4600.0 | -2872.5 | 5.75 | 0.00 | -4.831 | 0.000000 |
| Bothe 220kV | 07/01/2020 15:45:00 | 64 | 49925.0 | 7285.0 | 4281.25 | -3003.75 | 6.02 | 0.00 | -5.372 | 0.000000 |
| Bothe 220kV | 07/01/2020 16:00:00 | 65 | 49925.0 | 7387.5 | 4368.75 | -3018.75 | 6.05 | 0.00 | 2.196 | 0.000000 |
| Bothe 220kV | 07/01/2020 16:15:00 | 66 | 49925.0 | 7285.0 | 3446.88 | -3838.12 | 7.69 | 0.00 | -3.401 | 0.000000 |
| Bothe 220kV | 07/01/2020 16:30:00 | 67 | 49925.0 | 7387.5 | 5253.12 | -2134.38 | 4.28 | 0.00 | 4.738 | 0.000000 |
| Bothe 220kV | 07/01/2020 16:45:00 | 68 | 49925.0 | 7382.5 | 3209.38 | -4173.12 | 8.36 | 0.00 | 7.343 | 0.000000 |
| Bothe 220kV | 07/01/2020 17:00:00 | 69 | 49925.0 | 7365.0 | 3962.5 | -3402.5 | 6.82 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bothe 220kV | 07/01/2020 17:15:00 | 70 | 49925.0 | 7352.5 | 2856.25 | -4496.25 | 9.01 | 0.00 | 2.744 | 747.933777 |
| Bothe 220kV | 07/01/2020 17:30:00 | 71 | 49925.0 | 7417.5 | 2243.75 | -5173.75 | 10.36 | 0.00 | 3.401 | 341.619794 |
| Bothe 220kV | 07/01/2020 17:45:00 | 72 | 49925.0 | 7290.0 | 2468.75 | -4821.25 | 9.66 | 0.00 | -2.745 | 0.000000 |
| Bothe 220kV | 07/01/2020 18:00:00 | 73 | 49925.0 | 7450.0 | 746.88 | -6703.12 | 13.43 | 0.00 | -3.073 | 0.000000 |
| Bothe 220kV | 07/01/2020 18:15:00 | 74 | 49925.0 | 7307.5 | 450.0 | -6857.5 | 13.74 | 0.00 | -5.372 | 0.000000 |
| Bothe 220kV | 07/01/2020 18:30:00 | 75 | 49925.0 | 7400.0 | 62.5 | -7337.5 | 14.7 | 0.00 | 3.401 | 0.000000 |
| Bothe 220kV | 07/01/2020 18:45:00 | 76 | 49925.0 | 7390.0 | 0.0 | -7390.0 | 14.8 | 0.00 | -3.401 | 0.000000 |
| Bothe 220kV | 07/01/2020 19:00:00 | 77 | 49925.0 | 7400.0 | 0.0 | -7400.0 | 14.82 | 0.00 | -3.730 | 0.000000 |
| Bothe 220kV | 07/01/2020 19:15:00 | 78 | 49925.0 | 7362.5 | 0.0 | -7362.5 | 14.75 | 0.00 | -4.715 | 0.000000 |
| Bothe 220kV | 07/01/2020 19:30:00 | 79 | 49925.0 | 7530.0 | 0.0 | -7530.0 | 15.08 | 20.63 | -4.058 | 0.000000 |
| Bothe 220kV | 07/01/2020 19:45:00 | 80 | 49925.0 | 7532.5 | 25.0 | -7507.5 | 15.04 | 9.38 | -2.210 | 0.000000 |
| Bothe 220kV | 07/01/2020 20:00:00 | 81 | 49925.0 | 7555.0 | 0.0 | -7555.0 | 15.13 | 33.13 | -2.348 | 0.000000 |
| Bothe 220kV | 07/01/2020 20:15:00 | 82 | 49925.0 | 7562.5 | 0.0 | -7562.5 | 15.15 | 36.88 | 4.387 | 11802.430742 |
| Bothe 220kV | 07/01/2020 20:30:00 | 83 | 49925.0 | 7587.5 | 0.0 | -7587.5 | 15.2 | 49.38 | 3.816 | 15483.727948 |
| Bothe 220kV | 07/01/2020 20:45:00 | 84 | 49925.0 | 7605.0 | 0.0 | -7605.0 | 15.23 | 58.13 | 3.401 | 3736.610495 |
| Bothe 220kV | 07/01/2020 21:00:00 | 85 | 49925.0 | 7620.0 | 56.25 | -7563.75 | 15.15 | 37.50 | -4.058 | 0.000000 |
| Bothe 220kV | 07/01/2020 21:15:00 | 86 | 49925.0 | 7630.0 | 496.88 | -7133.12 | 14.29 | 0.00 | 1.647 | 3780.804013 |
| Bothe 220kV | 07/01/2020 21:30:00 | 87 | 49925.0 | 7645.0 | 921.88 | -6723.12 | 13.47 | 0.00 | 2.196 | 2143.895492 |
| Bothe 220kV | 07/01/2020 21:45:00 | 88 | 49925.0 | 7655.0 | 731.25 | -6923.75 | 13.87 | 0.00 | -2.196 | 0.000000 |
| Bothe 220kV | 07/01/2020 22:00:00 | 89 | 49925.0 | 7670.0 | 581.25 | -7088.75 | 14.2 | 0.00 | -3.257 | 0.000000 |
| Bothe 220kV | 07/01/2020 22:15:00 | 90 | 49925.0 | 7680.0 | 456.25 | -7223.75 | 14.47 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bothe 220kV | 07/01/2020 22:30:00 | 91 | 49925.0 | 7695.0 | 153.12 | -7541.88 | 15.11 | 26.57 | -1.098 | 0.000000 |
| Bothe 220kV | 07/01/2020 22:45:00 | 92 | 49925.0 | 7705.0 | 1031.25 | -6673.75 | 13.37 | 0.00 | -1.647 | 0.000000 |
| Bothe 220kV | 07/01/2020 23:00:00 | 93 | 49925.0 | 7720.0 | 1068.75 | -6651.25 | 13.32 | 0.00 | -3.401 | 0.000000 |
| Bothe 220kV | 07/01/2020 23:15:00 | 94 | 49925.0 | 7730.0 | 2671.88 | -5058.12 | 10.13 | 0.00 | 1.647 | 0.000000 |
| Bothe 220kV | 07/01/2020 23:30:00 | 95 | 49925.0 | 7740.0 | 2656.25 | -5083.75 | 10.18 | 0.00 | -2.196 | 0.000000 |
| Bothe 220kV | 07/01/2020 23:45:00 | 96 | 49925.0 | 7737.5 | 3290.62 | -4446.88 | 8.91 | 0.00 | -0.549 | 0.000000 |
| Bothe 220kV | 08/01/2020 00:00:00 | 1 | 49925.0 | 7385.0 | 2428.12 | -4956.88 | 9.93 | 0.00 | -2.220 | 0.000000 |
| Bothe 220kV | 08/01/2020 00:15:00 | 2 | 49925.0 | 7382.5 | 2362.5 | -5020.0 | 10.06 | 0.00 | -3.101 | 0.000000 |
| Bothe 220kV | 08/01/2020 00:30:00 | 3 | 49925.0 | 7472.5 | 2075.0 | -5397.5 | 10.81 | 0.00 | -3.101 | 0.000000 |
| Bothe 220kV | 08/01/2020 00:45:00 | 4 | 49925.0 | 7285.0 | 1671.88 | -5613.12 | 11.24 | 0.00 | -2.424 | 0.000000 |
| Bothe 220kV | 08/01/2020 01:00:00 | 5 | 49925.0 | 7387.5 | 1165.62 | -6221.88 | 12.46 | 0.00 | -2.170 | 0.000000 |
| Bothe 220kV | 08/01/2020 01:15:00 | 6 | 49925.0 | 7382.5 | 565.62 | -6816.88 | 13.65 | 0.00 | -1.761 | 0.000000 |
| Bothe 220kV | 08/01/2020 01:30:00 | 7 | 49925.0 | 7365.0 | 56.25 | -7308.75 | 14.64 | 0.00 | -1.665 | 0.000000 |
| Bothe 220kV | 08/01/2020 01:45:00 | 8 | 49925.0 | 7352.5 | 6.25 | -7346.25 | 14.71 | 0.00 | -1.665 | 0.000000 |
| Bothe 220kV | 08/01/2020 02:00:00 | 9 | 49925.0 | 7417.5 | 0.0 | -7417.5 | 14.86 | 0.00 | -1.110 | 0.000000 |
| Bothe 220kV | 08/01/2020 02:15:00 | 10 | 49925.0 | 7290.0 | 0.0 | -7290.0 | 14.6 | 0.00 | -1.347 | 0.000000 |
| Bothe 220kV | 08/01/2020 02:30:00 | 11 | 49925.0 | 7450.0 | 0.0 | -7450.0 | 14.92 | 0.00 | -3.101 | 0.000000 |
| Bothe 220kV | 08/01/2020 02:45:00 | 12 | 49925.0 | 7307.5 | 0.0 | -7307.5 | 14.64 | 0.00 | -2.220 | 0.000000 |
| Bothe 220kV | 08/01/2020 03:00:00 | 13 | 49925.0 | 7400.0 | 0.0 | -7400.0 | 14.82 | 0.00 | -3.428 | 0.000000 |
| Bothe 220kV | 08/01/2020 03:15:00 | 14 | 49925.0 | 7390.0 | 0.0 | -7390.0 | 14.8 | 0.00 | -2.220 | 0.000000 |
| Bothe 220kV | 08/01/2020 03:30:00 | 15 | 49925.0 | 7400.0 | 0.0 | -7400.0 | 14.82 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bothe 220kV | 08/01/2020 03:45:00 | 16 | 49925.0 | 7362.5 | 0.0 | -7362.5 | 14.75 | 0.00 | -2.775 | 0.000000 |
| Bothe 220kV | 08/01/2020 04:00:00 | 17 | 49925.0 | 7392.5 | 0.0 | -7392.5 | 14.81 | 0.00 | -3.101 | 0.000000 |
| Bothe 220kV | 08/01/2020 04:15:00 | 18 | 49925.0 | 7460.0 | 0.0 | -7460.0 | 14.94 | 0.00 | -1.665 | 0.000000 |
| Bothe 220kV | 08/01/2020 04:30:00 | 19 | 49925.0 | 7310.0 | 0.0 | -7310.0 | 14.64 | 0.00 | -2.220 | 0.000000 |
| Bothe 220kV | 08/01/2020 04:45:00 | 20 | 49925.0 | 7415.0 | 0.0 | -7415.0 | 14.85 | 0.00 | -2.775 | 0.000000 |
| Bothe 220kV | 08/01/2020 05:00:00 | 21 | 49925.0 | 7382.5 | 0.0 | -7382.5 | 14.79 | 0.00 | -1.110 | 0.000000 |
| Bothe 220kV | 08/01/2020 05:15:00 | 22 | 49925.0 | 7472.5 | 0.0 | -7472.5 | 14.97 | 0.00 | 2.775 | 360.085254 |
| Bothe 220kV | 08/01/2020 05:30:00 | 23 | 49925.0 | 7285.0 | 0.0 | -7285.0 | 14.59 | 0.00 | -3.428 | 0.000000 |
| Bothe 220kV | 08/01/2020 05:45:00 | 24 | 49925.0 | 7387.5 | 0.0 | -7387.5 | 14.8 | 0.00 | -2.775 | 0.000000 |
| Bothe 220kV | 08/01/2020 06:00:00 | 25 | 49925.0 | 7382.5 | 0.0 | -7382.5 | 14.79 | 0.00 | -2.220 | 0.000000 |
| Bothe 220kV | 08/01/2020 06:15:00 | 26 | 49925.0 | 7385.0 | 15.62 | -7369.38 | 14.76 | 0.00 | 2.220 | 1508.843185 |
| Bothe 220kV | 08/01/2020 06:30:00 | 27 | 49925.0 | 7382.5 | 150.0 | -7232.5 | 14.49 | 0.00 | 5.387 | 13018.227595 |
| Bothe 220kV | 08/01/2020 06:45:00 | 28 | 49925.0 | 7472.5 | 834.38 | -6638.12 | 13.3 | 0.00 | -4.734 | 0.000000 |
| Bothe 220kV | 08/01/2020 07:00:00 | 29 | 49925.0 | 7285.0 | 1237.5 | -6047.5 | 12.11 | 0.00 | -4.407 | 0.000000 |
| Bothe 220kV | 08/01/2020 07:15:00 | 30 | 49925.0 | 7387.5 | 1018.75 | -6368.75 | 12.76 | 0.00 | 5.061 | 11225.454116 |
| Bothe 220kV | 08/01/2020 07:30:00 | 31 | 49925.0 | 7382.5 | 731.25 | -6651.25 | 13.32 | 0.00 | 5.714 | 11217.334672 |
| Bothe 220kV | 08/01/2020 07:45:00 | 32 | 49925.0 | 7365.0 | 596.88 | -6768.12 | 13.56 | 0.00 | 5.061 | 4487.496357 |
| Bothe 220kV | 08/01/2020 08:00:00 | 33 | 49925.0 | 7352.5 | 759.38 | -6593.12 | 13.21 | 0.00 | 2.775 | 0.000000 |
| Bothe 220kV | 08/01/2020 08:15:00 | 34 | 49925.0 | 7417.5 | 987.5 | -6430.0 | 12.88 | 0.00 | 2.775 | 0.000000 |
| Bothe 220kV | 08/01/2020 08:30:00 | 35 | 49925.0 | 7290.0 | 1843.75 | -5446.25 | 10.91 | 0.00 | 5.387 | 0.000000 |
| Bothe 220kV | 08/01/2020 08:45:00 | 36 | 49925.0 | 7450.0 | 1862.5 | -5587.5 | 11.19 | 0.00 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bothe 220kV | 08/01/2020 09:00:00 | 37 | 49925.0 | 7307.5 | 737.5 | -6570.0 | 13.16 | 0.00 | 7.673 | 0.000000 |
| Bothe 220kV | 08/01/2020 09:15:00 | 38 | 49925.0 | 7400.0 | 521.88 | -6878.12 | 13.78 | 0.00 | 7.673 | 0.000000 |
| Bothe 220kV | 08/01/2020 09:30:00 | 39 | 49925.0 | 7390.0 | 725.0 | -6665.0 | 13.35 | 0.00 | 3.101 | 0.000000 |
| Bothe 220kV | 08/01/2020 09:45:00 | 40 | 49925.0 | 7400.0 | 937.5 | -6462.5 | 12.94 | 0.00 | -3.101 | 0.000000 |
| Bothe 220kV | 08/01/2020 10:00:00 | 41 | 49925.0 | 7362.5 | 1153.12 | -6209.38 | 12.44 | 0.00 | -3.101 | 0.000000 |
| Bothe 220kV | 08/01/2020 10:15:00 | 42 | 49925.0 | 7392.5 | 1706.25 | -5686.25 | 11.39 | 0.00 | -3.101 | 0.000000 |
| Bothe 220kV | 08/01/2020 10:30:00 | 43 | 49925.0 | 7460.0 | 1718.75 | -5741.25 | 11.5 | 0.00 | -1.665 | 0.000000 |
| Bothe 220kV | 08/01/2020 10:45:00 | 44 | 49925.0 | 7382.5 | 1625.0 | -5757.5 | 11.53 | 0.00 | 0.000 | 0.000000 |
| Bothe 220kV | 08/01/2020 11:00:00 | 45 | 49925.0 | 7472.5 | 1468.75 | -6003.75 | 12.03 | 0.00 | -1.486 | 0.000000 |
| Bothe 220kV | 08/01/2020 11:15:00 | 46 | 49925.0 | 7285.0 | 1865.62 | -5419.38 | 10.86 | 0.00 | -1.305 | 0.000000 |
| Bothe 220kV | 08/01/2020 11:30:00 | 47 | 49925.0 | 7387.5 | 2209.38 | -5178.12 | 10.37 | 0.00 | -2.425 | 0.000000 |
| Bothe 220kV | 08/01/2020 11:45:00 | 48 | 49925.0 | 7382.5 | 2565.62 | -4816.88 | 9.65 | 0.00 | -2.775 | 0.000000 |
| Bothe 220kV | 08/01/2020 12:00:00 | 49 | 49925.0 | 7385.0 | 3050.0 | -4335.0 | 8.68 | 0.00 | -2.083 | 0.000000 |
| Bothe 220kV | 08/01/2020 12:15:00 | 50 | 49925.0 | 7382.5 | 3337.5 | -4045.0 | 8.1 | 0.00 | -3.242 | 0.000000 |
| Bothe 220kV | 08/01/2020 12:30:00 | 51 | 49925.0 | 7472.5 | 3396.88 | -4075.62 | 8.16 | 0.00 | -1.330 | 0.000000 |
| Bothe 220kV | 08/01/2020 12:45:00 | 52 | 49925.0 | 7285.0 | 4321.88 | -2963.12 | 5.94 | 0.00 | -0.830 | 0.000000 |
| Bothe 220kV | 08/01/2020 13:00:00 | 53 | 49925.0 | 7387.5 | 4965.62 | -2421.88 | 4.85 | 0.00 | 2.775 | 0.000000 |
| Bothe 220kV | 08/01/2020 13:15:00 | 54 | 49925.0 | 7382.5 | 3615.62 | -3766.88 | 7.55 | 0.00 | 0.000 | 0.000000 |
| Bothe 220kV | 08/01/2020 13:30:00 | 55 | 49925.0 | 7365.0 | 3581.25 | -3783.75 | 7.58 | 0.00 | -1.012 | 0.000000 |
| Bothe 220kV | 08/01/2020 13:45:00 | 56 | 49925.0 | 7352.5 | 3978.12 | -3374.38 | 6.76 | 0.00 | -1.087 | 0.000000 |
| Bothe 220kV | 08/01/2020 14:00:00 | 57 | 49925.0 | 7417.5 | 5212.5 | -2205.0 | 4.42 | 0.00 | -3.101 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bothe 220kV | 08/01/2020 14:15:00 | 58 | 49925.0 | 7290.0 | 6709.38 | -580.62 | 1.16 | 0.00 | -4.081 | 0.000000 |
| Bothe 220kV | 08/01/2020 14:30:00 | 59 | 49925.0 | 7450.0 | 6103.12 | -1346.88 | 2.7 | 0.00 | -2.996 | 0.000000 |
| Bothe 220kV | 08/01/2020 14:45:00 | 60 | 49925.0 | 7307.5 | 7003.12 | -304.38 | 0.61 | 0.00 | -3.101 | 0.000000 |
| Bothe 220kV | 08/01/2020 15:00:00 | 61 | 49925.0 | 7400.0 | 7731.25 | 331.25 | 0.66 | 0.00 | -1.879 | -83.215582 |
| Bothe 220kV | 08/01/2020 15:15:00 | 62 | 49925.0 | 7390.0 | 7178.12 | -211.88 | 0.42 | 0.00 | -4.081 | 0.000000 |
| Bothe 220kV | 08/01/2020 15:30:00 | 63 | 49925.0 | 7400.0 | 5409.38 | -1990.62 | 3.99 | 0.00 | 4.938 | 0.000000 |
| Bothe 220kV | 08/01/2020 15:45:00 | 64 | 49925.0 | 7362.5 | 5356.25 | -2006.25 | 4.02 | 0.00 | 4.719 | 0.000000 |
| Bothe 220kV | 08/01/2020 16:00:00 | 65 | 49925.0 | 7392.5 | 6612.5 | -780.0 | 1.56 | 0.00 | 0.555 | 0.000000 |
| Bothe 220kV | 08/01/2020 16:15:00 | 66 | 49925.0 | 7460.0 | 7340.62 | -119.38 | 0.24 | 0.00 | -4.081 | 0.000000 |
| Bothe 220kV | 08/01/2020 16:30:00 | 67 | 49925.0 | 7387.5 | 8565.62 | 1178.12 | 2.36 | 0.00 | -3.754 | -205.310415 |
| Bothe 220kV | 08/01/2020 16:45:00 | 68 | 49925.0 | 7382.5 | 8837.5 | 1455.0 | 2.91 | 0.00 | -8.000 | 0.000000 |
| Bothe 220kV | 08/01/2020 17:00:00 | 69 | 49925.0 | 8365.0 | 8856.25 | 491.25 | 0.98 | 0.00 | 0.000 | 0.000000 |
| Bothe 220kV | 08/01/2020 17:15:00 | 70 | 49925.0 | 8352.5 | 7500.0 | -852.5 | 1.71 | 0.00 | 4.081 | 163.531145 |
| Bothe 220kV | 08/01/2020 17:30:00 | 71 | 49925.0 | 8417.5 | 6578.12 | -1839.38 | 3.68 | 0.00 | -5.387 | 0.000000 |
| Bothe 220kV | 08/01/2020 17:45:00 | 72 | 49925.0 | 10577.5 | 8406.25 | -2171.25 | 4.35 | 0.00 | -3.101 | 0.000000 |
| Bothe 220kV | 08/01/2020 18:00:00 | 73 | 49925.0 | 16330.0 | 7653.12 | -8676.88 | 17.38 | 594.07 | -2.775 | 0.000000 |
| Bothe 220kV | 08/01/2020 18:15:00 | 74 | 49925.0 | 16080.0 | 9418.75 | -6661.25 | 13.34 | 0.00 | -3.101 | 0.000000 |
| Bothe 220kV | 08/01/2020 18:30:00 | 75 | 49925.0 | 15802.5 | 9453.12 | -6349.38 | 12.72 | 0.00 | -2.220 | 0.000000 |
| Bothe 220kV | 08/01/2020 18:45:00 | 76 | 49925.0 | 15537.5 | 9962.5 | -5575.0 | 11.17 | 0.00 | 2.220 | 4394.630601 |
| Bothe 220kV | 08/01/2020 19:00:00 | 77 | 49925.0 | 11862.5 | 10815.62 | -1046.88 | 2.1 | 0.00 | 1.110 | 0.000000 |
| Bothe 220kV | 08/01/2020 19:15:00 | 78 | 49925.0 | 11612.5 | 11043.75 | -568.75 | 1.14 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bothe 220kV | 08/01/2020 19:30:00 | 79 | 49925.0 | 11612.5 | 11618.75 | 6.25 | 0.01 | 0.00 | -2.220 | 0.000000 |
| Bothe 220kV | 08/01/2020 19:45:00 | 80 | 49925.0 | 11362.5 | 12043.75 | 681.25 | 1.36 | 0.00 | -0.555 | 0.000000 |
| Bothe 220kV | 08/01/2020 20:00:00 | 81 | 49925.0 | 11435.0 | 11237.5 | -197.5 | 0.4 | 0.00 | 2.775 | 0.000000 |
| Bothe 220kV | 08/01/2020 20:15:00 | 82 | 49925.0 | 11765.0 | 9993.75 | -1771.25 | 3.55 | 0.00 | 3.101 | 2961.674235 |
| Bothe 220kV | 08/01/2020 20:30:00 | 83 | 49925.0 | 12120.0 | 10525.0 | -1595.0 | 3.19 | 0.00 | 4.408 | 3613.008007 |
| Bothe 220kV | 08/01/2020 20:45:00 | 84 | 49925.0 | 12045.0 | 10121.88 | -1923.12 | 3.85 | 0.00 | 3.101 | 1258.489625 |
| Bothe 220kV | 08/01/2020 21:00:00 | 85 | 49925.0 | 12412.5 | 10671.88 | -1740.62 | 3.49 | 0.00 | 3.101 | 0.000000 |
| Bothe 220kV | 08/01/2020 21:15:00 | 86 | 49925.0 | 12612.5 | 9700.0 | -2912.5 | 5.83 | 0.00 | -0.555 | 0.000000 |
| Bothe 220kV | 08/01/2020 21:30:00 | 87 | 49925.0 | 12407.5 | 8687.5 | -3720.0 | 7.45 | 0.00 | -1.110 | 0.000000 |
| Bothe 220kV | 08/01/2020 21:45:00 | 88 | 49925.0 | 12420.0 | 9331.25 | -3088.75 | 6.19 | 0.00 | -1.110 | 0.000000 |
| Bothe 220kV | 08/01/2020 22:00:00 | 89 | 49925.0 | 12245.0 | 9225.0 | -3020.0 | 6.05 | 0.00 | -2.489 | 0.000000 |
| Bothe 220kV | 08/01/2020 22:15:00 | 90 | 49925.0 | 11862.5 | 8721.88 | -3140.62 | 6.29 | 0.00 | -2.775 | 0.000000 |
| Bothe 220kV | 08/01/2020 22:30:00 | 91 | 49925.0 | 11662.5 | 9046.88 | -2615.62 | 5.24 | 0.00 | -2.223 | 0.000000 |
| Bothe 220kV | 08/01/2020 22:45:00 | 92 | 49925.0 | 11495.0 | 10059.38 | -1435.62 | 2.88 | 0.00 | 1.110 | 0.000000 |
| Bothe 220kV | 08/01/2020 23:00:00 | 93 | 49925.0 | 11530.0 | 10625.0 | -905.0 | 1.81 | 0.00 | 1.110 | 96.618702 |
| Bothe 220kV | 08/01/2020 23:15:00 | 94 | 49925.0 | 11495.0 | 11075.0 | -420.0 | 0.84 | 0.00 | 1.110 | 0.000000 |
| Bothe 220kV | 08/01/2020 23:30:00 | 95 | 49925.0 | 11195.0 | 10568.75 | -626.25 | 1.25 | 0.00 | 2.775 | 5.692938 |
| Bothe 220kV | 08/01/2020 23:45:00 | 96 | 49925.0 | 11140.0 | 8387.5 | -2752.5 | 5.51 | 0.00 | 0.000 | 0.000000 |
| Bothe 220kV | 09/01/2020 00:00:00 | 1 | 49925.0 | 10652.5 | 7762.5 | -2890.0 | 5.79 | 0.00 | -0.576 | 0.000000 |
| Bothe 220kV | 09/01/2020 00:15:00 | 2 | 49925.0 | 10705.0 | 7656.25 | -3048.75 | 6.11 | 0.00 | -1.727 | 0.000000 |
| Bothe 220kV | 09/01/2020 00:30:00 | 3 | 49925.0 | 10832.5 | 7228.12 | -3604.38 | 7.22 | 0.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bothe 220kV | 09/01/2020 00:45:00 | 4 | 49925.0 | 10892.5 | 6287.5 | -4605.0 | 9.22 | 0.00 | -2.879 | 0.000000 |
| Bothe 220kV | 09/01/2020 01:00:00 | 5 | 49925.0 | 10922.5 | 6256.25 | -4666.25 | 9.35 | 0.00 | -3.519 | 0.000000 |
| Bothe 220kV | 09/01/2020 01:15:00 | 6 | 49925.0 | 8905.0 | 4871.88 | -4033.12 | 8.08 | 0.00 | -3.519 | 0.000000 |
| Bothe 220kV | 09/01/2020 01:30:00 | 7 | 49925.0 | 8880.0 | 4206.25 | -4673.75 | 9.36 | 0.00 | -3.199 | 0.000000 |
| Bothe 220kV | 09/01/2020 01:45:00 | 8 | 49925.0 | 8662.5 | 4134.38 | -4528.12 | 9.07 | 0.00 | 3.519 | 1100.276694 |
| Bothe 220kV | 09/01/2020 02:00:00 | 9 | 49925.0 | 8562.5 | 3812.5 | -4750.0 | 9.51 | 0.00 | 3.519 | 5229.312609 |
| Bothe 220kV | 09/01/2020 02:15:00 | 10 | 49925.0 | 8405.0 | 2953.12 | -5451.88 | 10.92 | 0.00 | 2.879 | 2632.371075 |
| Bothe 220kV | 09/01/2020 02:30:00 | 11 | 49925.0 | 8312.5 | 2303.12 | -6009.38 | 12.04 | 0.00 | 3.199 | 4174.639321 |
| Bothe 220kV | 09/01/2020 02:45:00 | 12 | 49925.0 | 7362.5 | 1771.88 | -5590.62 | 11.2 | 0.00 | 1.152 | 0.000000 |
| Bothe 220kV | 09/01/2020 03:00:00 | 13 | 49925.0 | 7392.5 | 1125.0 | -6267.5 | 12.55 | 0.00 | -2.879 | 0.000000 |
| Bothe 220kV | 09/01/2020 03:15:00 | 14 | 49925.0 | 7460.0 | 1184.38 | -6275.62 | 12.57 | 0.00 | -3.839 | 0.000000 |
| Bothe 220kV | 09/01/2020 03:30:00 | 15 | 49925.0 | 7382.5 | 871.88 | -6510.62 | 13.04 | 0.00 | 3.199 | 0.000000 |
| Bothe 220kV | 09/01/2020 03:45:00 | 16 | 49925.0 | 7472.5 | 450.0 | -7022.5 | 14.07 | 0.00 | 0.000 | 0.000000 |
| Bothe 220kV | 09/01/2020 04:00:00 | 17 | 49925.0 | 7285.0 | 190.62 | -7094.38 | 14.21 | 0.00 | 1.727 | 0.000000 |
| Bothe 220kV | 09/01/2020 04:15:00 | 18 | 49925.0 | 7387.5 | 303.12 | -7084.38 | 14.19 | 0.00 | 1.727 | 0.000000 |
| Bothe 220kV | 09/01/2020 04:30:00 | 19 | 49925.0 | 7382.5 | 446.88 | -6935.62 | 13.89 | 0.00 | 1.727 | 0.000000 |
| Bothe 220kV | 09/01/2020 04:45:00 | 20 | 49925.0 | 7385.0 | 446.88 | -6938.12 | 13.9 | 0.00 | 2.879 | 5979.341486 |
| Bothe 220kV | 09/01/2020 05:00:00 | 21 | 49925.0 | 7382.5 | 115.62 | -7266.88 | 14.56 | 0.00 | 3.839 | 3627.471866 |
| Bothe 220kV | 09/01/2020 05:15:00 | 22 | 49925.0 | 7472.5 | 12.5 | -7460.0 | 14.94 | 0.00 | 5.119 | 10529.810628 |
| Bothe 220kV | 09/01/2020 05:30:00 | 23 | 49925.0 | 7285.0 | 90.62 | -7194.38 | 14.41 | 0.00 | 4.064 | 18506.850929 |
| Bothe 220kV | 09/01/2020 05:45:00 | 24 | 49925.0 | 7362.5 | 28.12 | -7334.38 | 14.69 | 0.00 | 1.152 | 51.742890 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bothe 220kV | 09/01/2020 06:00:00 | 25 | 49925.0 | 7392.5 | 0.0 | -7392.5 | 14.81 | 0.00 | -2.303 | 0.000000 |
| Bothe 220kV | 09/01/2020 06:15:00 | 26 | 49925.0 | 7460.0 | 0.0 | -7460.0 | 14.94 | 0.00 | 2.303 | 4962.012097 |
| Bothe 220kV | 09/01/2020 06:30:00 | 27 | 49925.0 | 7382.5 | 25.0 | -7357.5 | 14.74 | 0.00 | -3.839 | 0.000000 |
| Bothe 220kV | 09/01/2020 06:45:00 | 28 | 49925.0 | 7472.5 | 103.12 | -7369.38 | 14.76 | 0.00 | -2.879 | 0.000000 |
| Bothe 220kV | 09/01/2020 07:00:00 | 29 | 49925.0 | 7285.0 | 81.25 | -7203.75 | 14.43 | 0.00 | -2.879 | 0.000000 |
| Bothe 220kV | 09/01/2020 07:15:00 | 30 | 49925.0 | 7387.5 | 143.75 | -7243.75 | 14.51 | 0.00 | 6.400 | 3603.814422 |
| Bothe 220kV | 09/01/2020 07:30:00 | 31 | 49925.0 | 7382.5 | 234.38 | -7148.12 | 14.32 | 0.00 | 1.172 | 0.000000 |
| Bothe 220kV | 09/01/2020 07:45:00 | 32 | 49925.0 | 7385.0 | 206.25 | -7178.75 | 14.38 | 0.00 | 0.576 | 0.000000 |
| Bothe 220kV | 09/01/2020 08:00:00 | 33 | 49925.0 | 7382.5 | 500.0 | -6882.5 | 13.79 | 0.00 | -0.576 | 0.000000 |
| Bothe 220kV | 09/01/2020 08:15:00 | 34 | 49925.0 | 7472.5 | 496.88 | -6975.62 | 13.97 | 0.00 | -1.152 | 0.000000 |
| Bothe 220kV | 09/01/2020 08:30:00 | 35 | 49925.0 | 7285.0 | 278.12 | -7006.88 | 14.03 | 0.00 | 0.576 | 0.000000 |
| Bothe 220kV | 09/01/2020 08:45:00 | 36 | 49925.0 | 7400.0 | 162.5 | -7237.5 | 14.5 | 0.00 | 0.000 | 0.000000 |
| Bothe 220kV | 09/01/2020 09:00:00 | 37 | 49925.0 | 7362.5 | 225.0 | -7137.5 | 14.3 | 0.00 | 1.152 | 0.000000 |
| Bothe 220kV | 09/01/2020 09:15:00 | 38 | 49925.0 | 7392.5 | 509.38 | -6883.12 | 13.79 | 0.00 | 1.727 | 0.000000 |
| Bothe 220kV | 09/01/2020 09:30:00 | 39 | 49925.0 | 7460.0 | 540.62 | -6919.38 | 13.86 | 0.00 | -3.839 | 0.000000 |
| Bothe 220kV | 09/01/2020 09:45:00 | 40 | 49925.0 | 7382.5 | 256.25 | -7126.25 | 14.27 | 0.00 | -1.152 | 0.000000 |
| Bothe 220kV | 09/01/2020 10:00:00 | 41 | 49925.0 | 7472.5 | 225.0 | -7247.5 | 14.52 | 0.00 | 0.000 | 0.000000 |
| Bothe 220kV | 09/01/2020 10:15:00 | 42 | 49925.0 | 7285.0 | 165.62 | -7119.38 | 14.26 | 0.00 | 1.727 | 0.000000 |
| Bothe 220kV | 09/01/2020 10:30:00 | 43 | 49925.0 | 7387.5 | 184.38 | -7203.12 | 14.43 | 0.00 | 2.303 | 0.000000 |
| Bothe 220kV | 09/01/2020 10:45:00 | 44 | 49925.0 | 7382.5 | 303.12 | -7079.38 | 14.18 | 0.00 | -1.144 | 0.000000 |
| Bothe 220kV | 09/01/2020 11:00:00 | 45 | 49925.0 | 7385.0 | 378.12 | -7006.88 | 14.03 | 0.00 | -4.479 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bothe 220kV | 09/01/2020 11:15:00 | 46 | 49925.0 | 7382.5 | 193.75 | -7188.75 | 14.4 | 0.00 | -3.519 | 0.000000 |
| Bothe 220kV | 09/01/2020 11:30:00 | 47 | 49925.0 | 7472.5 | 59.38 | -7413.12 | 14.85 | 0.00 | -2.303 | 0.000000 |
| Bothe 220kV | 09/01/2020 11:45:00 | 48 | 49925.0 | 7285.0 | 12.5 | -7272.5 | 14.57 | 0.00 | -0.576 | 0.000000 |
| Bothe 220kV | 09/01/2020 12:00:00 | 49 | 49925.0 | 7387.5 | 0.0 | -7387.5 | 14.8 | 0.00 | 0.000 | 0.000000 |
| Bothe 220kV | 09/01/2020 12:15:00 | 50 | 49925.0 | 7382.5 | 0.0 | -7382.5 | 14.79 | 0.00 | 3.839 | 0.000000 |
| Bothe 220kV | 09/01/2020 12:30:00 | 51 | 49925.0 | 7365.0 | 0.0 | -7365.0 | 14.75 | 0.00 | 3.199 | 0.000000 |
| Bothe 220kV | 09/01/2020 12:45:00 | 52 | 49925.0 | 7352.5 | 0.0 | -7352.5 | 14.73 | 0.00 | 3.199 | 0.000000 |
| Bothe 220kV | 09/01/2020 13:00:00 | 53 | 49925.0 | 7417.5 | 0.0 | -7417.5 | 14.86 | 0.00 | -1.152 | 0.000000 |
| Bothe 220kV | 09/01/2020 13:15:00 | 54 | 49925.0 | 7290.0 | 0.0 | -7290.0 | 14.6 | 0.00 | -1.152 | 0.000000 |
| Bothe 220kV | 09/01/2020 13:30:00 | 55 | 49925.0 | 7450.0 | 0.0 | -7450.0 | 14.92 | 0.00 | 1.727 | 0.000000 |
| Bothe 220kV | 09/01/2020 13:45:00 | 56 | 49925.0 | 7307.5 | 3.12 | -7304.38 | 14.63 | 0.00 | 3.199 | 0.000000 |
| Bothe 220kV | 09/01/2020 14:00:00 | 57 | 49925.0 | 7400.0 | 34.38 | -7365.62 | 14.75 | 0.00 | 4.345 | 0.000000 |
| Bothe 220kV | 09/01/2020 14:15:00 | 58 | 49925.0 | 7390.0 | 309.38 | -7080.62 | 14.18 | 0.00 | 3.941 | 0.000000 |
| Bothe 220kV | 09/01/2020 14:30:00 | 59 | 49925.0 | 7400.0 | 478.12 | -6921.88 | 13.86 | 0.00 | 1.152 | 0.000000 |
| Bothe 220kV | 09/01/2020 14:45:00 | 60 | 49925.0 | 7362.5 | 446.88 | -6915.62 | 13.85 | 0.00 | -0.576 | 0.000000 |
| Bothe 220kV | 09/01/2020 15:00:00 | 61 | 49925.0 | 7392.5 | 856.25 | -6536.25 | 13.09 | 0.00 | -1.006 | 0.000000 |
| Bothe 220kV | 09/01/2020 15:15:00 | 62 | 49925.0 | 7460.0 | 940.62 | -6519.38 | 13.06 | 0.00 | 3.199 | 0.000000 |
| Bothe 220kV | 09/01/2020 15:30:00 | 63 | 49925.0 | 7387.5 | 525.0 | -6862.5 | 13.75 | 0.00 | 2.879 | 0.000000 |
| Bothe 220kV | 09/01/2020 15:45:00 | 64 | 49925.0 | 7382.5 | 253.12 | -7129.38 | 14.28 | 0.00 | 3.839 | 0.000000 |
| Bothe 220kV | 09/01/2020 16:00:00 | 65 | 49925.0 | 7365.0 | 84.38 | -7280.62 | 14.58 | 0.00 | 1.727 | 0.000000 |
| Bothe 220kV | 09/01/2020 16:15:00 | 66 | 49925.0 | 7352.5 | 34.38 | -7318.12 | 14.66 | 0.00 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bothe 220kV | 09/01/2020 16:30:00 | 67 | 49925.0 | 7285.0 | 18.75 | -7266.25 | 14.55 | 0.00 | -4.159 | 0.000000 |
| Bothe 220kV | 09/01/2020 16:45:00 | 68 | 49925.0 | 7387.5 | 46.88 | -7340.62 | 14.7 | 0.00 | 3.839 | 0.000000 |
| Bothe 220kV | 09/01/2020 17:00:00 | 69 | 49925.0 | 7382.5 | 0.0 | -7382.5 | 14.79 | 0.00 | 1.727 | 0.000000 |
| Bothe 220kV | 09/01/2020 17:15:00 | 70 | 49925.0 | 7365.0 | 3.12 | -7361.88 | 14.75 | 0.00 | 3.839 | 2530.394278 |
| Bothe 220kV | 09/01/2020 17:30:00 | 71 | 49925.0 | 7352.5 | 3.12 | -7349.38 | 14.72 | 0.00 | -2.879 | 0.000000 |
| Bothe 220kV | 09/01/2020 17:45:00 | 72 | 49925.0 | 7417.5 | 15.62 | -7401.88 | 14.83 | 0.00 | -4.146 | 0.000000 |
| Bothe 220kV | 09/01/2020 18:00:00 | 73 | 49925.0 | 7290.0 | 315.62 | -6974.38 | 13.97 | 0.00 | -3.349 | 0.000000 |
| Bothe 220kV | 09/01/2020 18:15:00 | 74 | 49925.0 | 7450.0 | 1234.38 | -6215.62 | 12.45 | 0.00 | -4.563 | 0.000000 |
| Bothe 220kV | 09/01/2020 18:30:00 | 75 | 49925.0 | 7307.5 | 1265.62 | -6041.88 | 12.1 | 0.00 | -3.839 | 0.000000 |
| Bothe 220kV | 09/01/2020 18:45:00 | 76 | 49925.0 | 7400.0 | 1400.0 | -6000.0 | 12.02 | 0.00 | -2.879 | 0.000000 |
| Bothe 220kV | 09/01/2020 19:00:00 | 77 | 49925.0 | 7390.0 | 1596.88 | -5793.12 | 11.6 | 0.00 | -3.199 | 0.000000 |
| Bothe 220kV | 09/01/2020 19:15:00 | 78 | 49925.0 | 7400.0 | 2500.0 | -4900.0 | 9.81 | 0.00 | -1.727 | 0.000000 |
| Bothe 220kV | 09/01/2020 19:30:00 | 79 | 49925.0 | 7362.5 | 3403.12 | -3959.38 | 7.93 | 0.00 | -1.442 | 0.000000 |
| Bothe 220kV | 09/01/2020 19:45:00 | 80 | 49925.0 | 7392.5 | 4253.12 | -3139.38 | 6.29 | 0.00 | -0.286 | 0.000000 |
| Bothe 220kV | 09/01/2020 20:00:00 | 81 | 49925.0 | 7460.0 | 5150.0 | -2310.0 | 4.63 | 0.00 | -1.070 | 0.000000 |
| Bothe 220kV | 09/01/2020 20:15:00 | 82 | 49925.0 | 7382.5 | 6134.38 | -1248.12 | 2.5 | 0.00 | -2.236 | 0.000000 |
| Bothe 220kV | 09/01/2020 20:30:00 | 83 | 49925.0 | 7472.5 | 6431.25 | -1041.25 | 2.09 | 0.00 | -4.799 | 0.000000 |
| Bothe 220kV | 09/01/2020 20:45:00 | 84 | 49925.0 | 7285.0 | 6712.5 | -572.5 | 1.15 | 0.00 | -1.727 | 0.000000 |
| Bothe 220kV | 09/01/2020 21:00:00 | 85 | 49925.0 | 7387.5 | 7503.12 | 115.62 | 0.23 | 0.00 | -1.727 | 0.000000 |
| Bothe 220kV | 09/01/2020 21:15:00 | 86 | 49925.0 | 9412.5 | 7765.62 | -1646.88 | 3.3 | 0.00 | 1.152 | 0.000000 |
| Bothe 220kV | 09/01/2020 21:30:00 | 87 | 49925.0 | 9640.0 | 5800.0 | -3840.0 | 7.69 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bothe 220kV | 09/01/2020 21:45:00 | 88 | 49925.0 | 9912.5 | 4062.5 | -5850.0 | 11.72 | 0.00 | -2.303 | 0.000000 |
| Bothe 220kV | 09/01/2020 22:00:00 | 89 | 49925.0 | 10087.5 | 2971.88 | -7115.62 | 14.25 | 0.00 | -2.795 | 0.000000 |
| Bothe 220kV | 09/01/2020 22:15:00 | 90 | 49925.0 | 10245.0 | 2553.12 | -7691.88 | 15.41 | 101.57 | -3.674 | 0.000000 |
| Bothe 220kV | 09/01/2020 22:30:00 | 91 | 49925.0 | 10307.5 | 2750.0 | -7557.5 | 15.14 | 34.38 | -2.303 | 0.000000 |
| Bothe 220kV | 09/01/2020 22:45:00 | 92 | 49925.0 | 7125.0 | 3265.62 | -3859.38 | 7.73 | 0.00 | -1.152 | 0.000000 |
| Bothe 220kV | 09/01/2020 23:00:00 | 93 | 49925.0 | 7192.5 | 3665.62 | -3526.88 | 7.06 | 0.00 | 0.000 | 0.000000 |
| Bothe 220kV | 09/01/2020 23:15:00 | 94 | 49925.0 | 7245.0 | 5037.5 | -2207.5 | 4.42 | 0.00 | -0.576 | 0.000000 |
| Bothe 220kV | 09/01/2020 23:30:00 | 95 | 49925.0 | 7137.5 | 7278.12 | 140.62 | 0.28 | 0.00 | -0.576 | 0.000000 |
| Bothe 220kV | 09/01/2020 23:45:00 | 96 | 49925.0 | 7190.0 | 12831.25 | 5641.25 | 11.3 | 0.00 | -0.987 | 0.000000 |
| Bothe 220kV | 10/01/2020 00:00:00 | 1 | 49925.0 | 8340.0 | 15100.0 | 6760.0 | 13.54 | 0.00 | -0.680 | 0.000000 |
| Bothe 220kV | 10/01/2020 00:15:00 | 2 | 49925.0 | 8330.0 | 18053.12 | 9723.12 | 19.48 | 1117.19 | -3.326 | 0.000000 |
| Bothe 220kV | 10/01/2020 00:30:00 | 3 | 49925.0 | 8052.5 | 19453.12 | 11400.62 | 22.84 | 1955.94 | -2.992 | 0.000000 |
| Bothe 220kV | 10/01/2020 00:45:00 | 4 | 49925.0 | 8062.5 | 19818.75 | 11756.25 | 23.55 | 2133.75 | -0.532 | 0.000000 |
| Bothe 220kV | 10/01/2020 01:00:00 | 5 | 49925.0 | 12162.5 | 20459.38 | 8296.88 | 16.62 | 404.07 | -0.713 | 0.000000 |
| Bothe 220kV | 10/01/2020 01:15:00 | 6 | 49925.0 | 11405.0 | 20368.75 | 8963.75 | 17.95 | 737.50 | -0.548 | 0.000000 |
| Bothe 220kV | 10/01/2020 01:30:00 | 7 | 49925.0 | 11090.0 | 19603.12 | 8513.12 | 17.05 | 512.19 | -2.658 | 0.000000 |
| Bothe 220kV | 10/01/2020 01:45:00 | 8 | 49925.0 | 10830.0 | 18828.12 | 7998.12 | 16.02 | 254.69 | 2.127 | 0.000000 |
| Bothe 220kV | 10/01/2020 02:00:00 | 9 | 49925.0 | 10590.0 | 18650.0 | 8060.0 | 16.14 | 285.63 | 5.342 | 0.000000 |
| Bothe 220kV | 10/01/2020 02:15:00 | 10 | 49925.0 | 18662.5 | 18756.25 | 93.75 | 0.19 | 0.00 | 1.595 | 0.000000 |
| Bothe 220kV | 10/01/2020 02:30:00 | 11 | 49925.0 | 18562.5 | 17184.38 | -1378.12 | 2.76 | 0.00 | 3.326 | 0.000000 |
| Bothe 220kV | 10/01/2020 02:45:00 | 12 | 49925.0 | 18312.5 | 14612.5 | -3700.0 | 7.41 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bothe 220kV | 10/01/2020 03:00:00 | 13 | 49925.0 | 18062.5 | 12896.88 | -5165.62 | 10.35 | 0.00 | 2.658 | 0.000000 |
| Bothe 220kV | 10/01/2020 03:15:00 | 14 | 49925.0 | 17590.0 | 13340.62 | -4249.38 | 8.51 | 0.00 | 2.127 | 673.793494 |
| Bothe 220kV | 10/01/2020 03:30:00 | 15 | 49925.0 | 17562.5 | 15056.25 | -2506.25 | 5.02 | 0.00 | 2.127 | 471.151665 |
| Bothe 220kV | 10/01/2020 03:45:00 | 16 | 49925.0 | 10580.0 | 18146.88 | 7566.88 | 15.16 | 39.07 | -1.063 | 0.000000 |
| Bothe 220kV | 10/01/2020 04:00:00 | 17 | 49925.0 | 10590.0 | 20893.75 | 10303.75 | 20.64 | 1407.50 | 1.595 | 0.000000 |
| Bothe 220kV | 10/01/2020 04:15:00 | 18 | 49925.0 | 10330.0 | 22450.0 | 12120.0 | 24.28 | 2315.63 | 3.326 | 0.000000 |
| Bothe 220kV | 10/01/2020 04:30:00 | 19 | 49925.0 | 10287.5 | 24093.75 | 13806.25 | 27.65 | 3821.25 | 3.326 | 0.000000 |
| Bothe 220kV | 10/01/2020 04:45:00 | 20 | 49925.0 | 10080.0 | 23175.0 | 13095.0 | 26.23 | 3110.00 | 2.127 | 0.000000 |
| Bothe 220kV | 10/01/2020 05:00:00 | 21 | 49925.0 | 10090.0 | 21893.75 | 11803.75 | 23.64 | 2157.50 | 2.992 | 0.000000 |
| Bothe 220kV | 10/01/2020 05:15:00 | 22 | 49925.0 | 19662.5 | 23021.88 | 3359.38 | 6.73 | 0.00 | 1.063 | 0.000000 |
| Bothe 220kV | 10/01/2020 05:30:00 | 23 | 49925.0 | 19635.0 | 25050.0 | 5415.0 | 10.85 | 0.00 | -2.658 | 0.000000 |
| Bothe 220kV | 10/01/2020 05:45:00 | 24 | 49925.0 | 19412.5 | 27434.38 | 8021.88 | 16.07 | 266.57 | 2.127 | 0.000000 |
| Bothe 220kV | 10/01/2020 06:00:00 | 25 | 49925.0 | 19385.0 | 27678.12 | 8293.12 | 16.61 | 402.19 | -2.127 | 0.000000 |
| Bothe 220kV | 10/01/2020 06:15:00 | 26 | 49925.0 | 19162.5 | 27453.12 | 8290.62 | 16.61 | 400.94 | 2.658 | 0.000000 |
| Bothe 220kV | 10/01/2020 06:30:00 | 27 | 49925.0 | 19157.5 | 28034.38 | 8876.88 | 17.78 | 694.07 | -2.992 | 0.000000 |
| Bothe 220kV | 10/01/2020 06:45:00 | 28 | 49925.0 | 23905.0 | 26506.25 | 2601.25 | 5.21 | 0.00 | -3.077 | 0.000000 |
| Bothe 220kV | 10/01/2020 07:00:00 | 29 | 49925.0 | 23662.5 | 24706.25 | 1043.75 | 2.09 | 0.00 | -0.687 | 0.000000 |
| Bothe 220kV | 10/01/2020 07:15:00 | 30 | 49925.0 | 23562.5 | 25043.75 | 1481.25 | 2.97 | 0.00 | -2.658 | 0.000000 |
| Bothe 220kV | 10/01/2020 07:30:00 | 31 | 49925.0 | 23412.5 | 26643.75 | 3231.25 | 6.47 | 0.00 | -1.063 | 0.000000 |
| Bothe 220kV | 10/01/2020 07:45:00 | 32 | 49925.0 | 23330.0 | 25850.0 | 2520.0 | 5.05 | 0.00 | -2.658 | 0.000000 |
| Bothe 220kV | 10/01/2020 08:00:00 | 33 | 49925.0 | 23340.0 | 23025.0 | -315.0 | 0.63 | 0.00 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bothe 220kV | 10/01/2020 08:15:00 | 34 | 49925.0 | 23135.0 | 22059.38 | -1075.62 | 2.15 | 0.00 | -4.661 | 0.000000 |
| Bothe 220kV | 10/01/2020 08:30:00 | 35 | 49925.0 | 23090.0 | 19821.88 | -3268.12 | 6.55 | 0.00 | 5.663 | 0.000000 |
| Bothe 220kV | 10/01/2020 08:45:00 | 36 | 49925.0 | 23037.5 | 18762.5 | -4275.0 | 8.56 | 0.00 | 4.328 | 0.000000 |
| Bothe 220kV | 10/01/2020 09:00:00 | 37 | 49925.0 | 16710.0 | 18315.62 | 1605.62 | 3.22 | 0.00 | -4.995 | -292.814682 |
| Bothe 220kV | 10/01/2020 09:15:00 | 38 | 49925.0 | 16912.5 | 16940.62 | 28.12 | 0.06 | 0.00 | -4.327 | -3.676006 |
| Bothe 220kV | 10/01/2020 09:30:00 | 39 | 49925.0 | 16642.5 | 15746.88 | -895.62 | 1.79 | 0.00 | -2.127 | 0.000000 |
| Bothe 220kV | 10/01/2020 09:45:00 | 40 | 49925.0 | 16342.5 | 16309.38 | -33.12 | 0.07 | 0.00 | -1.152 | 0.000000 |
| Bothe 220kV | 10/01/2020 10:00:00 | 41 | 49925.0 | 16197.5 | 17387.5 | 1190.0 | 2.38 | 0.00 | 0.000 | 0.000000 |
| Bothe 220kV | 10/01/2020 10:15:00 | 42 | 49925.0 | 15907.5 | 15468.75 | -438.75 | 0.88 | 0.00 | -0.532 | 0.000000 |
| Bothe 220kV | 10/01/2020 10:30:00 | 43 | 49925.0 | 11302.5 | 13759.38 | 2456.88 | 4.92 | 0.00 | -1.063 | -146.763676 |
| Bothe 220kV | 10/01/2020 10:45:00 | 44 | 49925.0 | 10577.5 | 12384.38 | 1806.88 | 3.62 | 0.00 | 0.000 | 0.000000 |
| Bothe 220kV | 10/01/2020 11:00:00 | 45 | 49925.0 | 10302.5 | 11050.0 | 747.5 | 1.5 | 0.00 | 2.658 | 0.000000 |
| Bothe 220kV | 10/01/2020 11:15:00 | 46 | 49925.0 | 10277.5 | 9331.25 | -946.25 | 1.9 | 0.00 | 0.000 | 0.000000 |
| Bothe 220kV | 10/01/2020 11:30:00 | 47 | 49925.0 | 10030.0 | 7034.38 | -2995.62 | 6.0 | 0.00 | -1.595 | 0.000000 |
| Bothe 220kV | 10/01/2020 11:45:00 | 48 | 49925.0 | 10037.5 | 5484.38 | -4553.12 | 9.12 | 0.00 | 2.992 | 0.000000 |
| Bothe 220kV | 10/01/2020 12:00:00 | 49 | 49925.0 | 10005.0 | 4309.38 | -5695.62 | 11.41 | 0.00 | 0.000 | 0.000000 |
| Bothe 220kV | 10/01/2020 12:15:00 | 50 | 49925.0 | 9735.0 | 3593.75 | -6141.25 | 12.3 | 0.00 | 2.127 | 0.000000 |
| Bothe 220kV | 10/01/2020 12:30:00 | 51 | 49925.0 | 9475.0 | 2837.5 | -6637.5 | 13.29 | 0.00 | 1.595 | 0.000000 |
| Bothe 220kV | 10/01/2020 12:45:00 | 52 | 49925.0 | 9235.0 | 2350.0 | -6885.0 | 13.79 | 0.00 | -1.063 | 0.000000 |
| Bothe 220kV | 10/01/2020 13:00:00 | 53 | 49925.0 | 8880.0 | 2400.0 | -6480.0 | 12.98 | 0.00 | 2.658 | 0.000000 |
| Bothe 220kV | 10/01/2020 13:15:00 | 54 | 49925.0 | 8607.5 | 2193.75 | -6413.75 | 12.85 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bothe 220kV | 10/01/2020 13:30:00 | 55 | 49925.0 | 7335.0 | 1700.0 | -5635.0 | 11.29 | 0.00 | 2.127 | 0.000000 |
| Bothe 220kV | 10/01/2020 13:45:00 | 56 | 49925.0 | 7277.5 | 1178.12 | -6099.38 | 12.22 | 0.00 | -3.326 | 0.000000 |
| Bothe 220kV | 10/01/2020 14:00:00 | 57 | 49925.0 | 7382.5 | 1821.88 | -5560.62 | 11.14 | 0.00 | -2.992 | 0.000000 |
| Bothe 220kV | 10/01/2020 14:15:00 | 58 | 49925.0 | 7365.0 | 3331.25 | -4033.75 | 8.08 | 0.00 | 3.660 | 0.000000 |
| Bothe 220kV | 10/01/2020 14:30:00 | 59 | 49925.0 | 7352.5 | 4243.75 | -3108.75 | 6.23 | 0.00 | -2.127 | 0.000000 |
| Bothe 220kV | 10/01/2020 14:45:00 | 60 | 49925.0 | 7417.5 | 5018.75 | -2398.75 | 4.8 | 0.00 | -2.127 | 0.000000 |
| Bothe 220kV | 10/01/2020 15:00:00 | 61 | 49925.0 | 7290.0 | 5715.62 | -1574.38 | 3.15 | 0.00 | 0.000 | 0.000000 |
| Bothe 220kV | 10/01/2020 15:15:00 | 62 | 49925.0 | 7450.0 | 6565.62 | -884.38 | 1.77 | 0.00 | -2.992 | 0.000000 |
| Bothe 220kV | 10/01/2020 15:30:00 | 63 | 49925.0 | 7307.5 | 7100.0 | -207.5 | 0.42 | 0.00 | -4.995 | 0.000000 |
| Bothe 220kV | 10/01/2020 15:45:00 | 64 | 49925.0 | 7400.0 | 7446.88 | 46.88 | 0.09 | 0.00 | -4.327 | -12.668267 |
| Bothe 220kV | 10/01/2020 16:00:00 | 65 | 49925.0 | 7390.0 | 7175.0 | -215.0 | 0.43 | 0.00 | -4.995 | 0.000000 |
| Bothe 220kV | 10/01/2020 16:15:00 | 66 | 49925.0 | 7400.0 | 6459.38 | -940.62 | 1.88 | 0.00 | -8.000 | 0.000000 |
| Bothe 220kV | 10/01/2020 16:30:00 | 67 | 49925.0 | 8802.5 | 4900.0 | -3902.5 | 7.82 | 0.00 | -8.000 | 0.000000 |
| Bothe 220kV | 10/01/2020 16:45:00 | 68 | 49925.0 | 8777.5 | 2915.62 | -5861.88 | 11.74 | 0.00 | 4.327 | 0.000000 |
| Bothe 220kV | 10/01/2020 17:00:00 | 69 | 49925.0 | 8780.0 | 1368.75 | -7411.25 | 14.84 | 0.00 | 0.532 | 0.000000 |
| Bothe 220kV | 10/01/2020 17:15:00 | 70 | 49925.0 | 8530.0 | 1090.62 | -7439.38 | 14.9 | 0.00 | -1.595 | 0.000000 |
| Bothe 220kV | 10/01/2020 17:30:00 | 71 | 49925.0 | 8552.5 | 1115.62 | -7436.88 | 14.9 | 0.00 | -2.658 | 0.000000 |
| Bothe 220kV | 10/01/2020 17:45:00 | 72 | 49925.0 | 8527.5 | 928.12 | -7599.38 | 15.22 | 55.32 | -2.127 | 0.000000 |
| Bothe 220kV | 10/01/2020 18:00:00 | 73 | 49925.0 | 7387.5 | 653.12 | -6734.38 | 13.49 | 0.00 | -1.461 | 0.000000 |
| Bothe 220kV | 10/01/2020 18:15:00 | 74 | 49925.0 | 7382.5 | 609.38 | -6773.12 | 13.57 | 0.00 | 3.326 | 2380.184084 |
| Bothe 220kV | 10/01/2020 18:30:00 | 75 | 49925.0 | 7385.0 | 1434.38 | -5950.62 | 11.92 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bothe 220kV | 10/01/2020 18:45:00 | 76 | 49925.0 | 7382.5 | 2021.88 | -5360.62 | 10.74 | 0.00 | 3.994 | 894.818214 |
| Bothe 220kV | 10/01/2020 19:00:00 | 77 | 49925.0 | 7472.5 | 2087.5 | -5385.0 | 10.79 | 0.00 | -2.127 | 0.000000 |
| Bothe 220kV | 10/01/2020 19:15:00 | 78 | 49925.0 | 7285.0 | 2315.62 | -4969.38 | 9.95 | 0.00 | -2.658 | 0.000000 |
| Bothe 220kV | 10/01/2020 19:30:00 | 79 | 49925.0 | 7387.5 | 1978.12 | -5409.38 | 10.84 | 0.00 | -3.660 | 0.000000 |
| Bothe 220kV | 10/01/2020 19:45:00 | 80 | 49925.0 | 7382.5 | 1256.25 | -6126.25 | 12.27 | 0.00 | -3.326 | 0.000000 |
| Bothe 220kV | 10/01/2020 20:00:00 | 81 | 49925.0 | 7365.0 | 540.62 | -6824.38 | 13.67 | 0.00 | 3.660 | 1663.571282 |
| Bothe 220kV | 10/01/2020 20:15:00 | 82 | 49925.0 | 7352.5 | 306.25 | -7046.25 | 14.11 | 0.00 | 3.660 | 7376.377476 |
| Bothe 220kV | 10/01/2020 20:30:00 | 83 | 49925.0 | 7417.5 | 487.5 | -6930.0 | 13.88 | 0.00 | 4.995 | 10299.095786 |
| Bothe 220kV | 10/01/2020 20:45:00 | 84 | 49925.0 | 7290.0 | 1000.0 | -6290.0 | 12.6 | 0.00 | 2.992 | 6610.346818 |
| Bothe 220kV | 10/01/2020 21:00:00 | 85 | 49925.0 | 7400.0 | 1621.88 | -5778.12 | 11.57 | 0.00 | -3.660 | 0.000000 |
| Bothe 220kV | 10/01/2020 21:15:00 | 86 | 49925.0 | 7362.5 | 1775.0 | -5587.5 | 11.19 | 0.00 | -1.595 | 0.000000 |
| Bothe 220kV | 10/01/2020 21:30:00 | 87 | 49925.0 | 7392.5 | 1581.25 | -5811.25 | 11.64 | 0.00 | -1.063 | 0.000000 |
| Bothe 220kV | 10/01/2020 21:45:00 | 88 | 49925.0 | 7460.0 | 1768.75 | -5691.25 | 11.4 | 0.00 | -0.532 | 0.000000 |
| Bothe 220kV | 10/01/2020 22:00:00 | 89 | 49925.0 | 7387.5 | 2296.88 | -5090.62 | 10.2 | 0.00 | -1.595 | 0.000000 |
| Bothe 220kV | 10/01/2020 22:15:00 | 90 | 49925.0 | 7382.5 | 2340.62 | -5041.88 | 10.1 | 0.00 | -2.127 | 0.000000 |
| Bothe 220kV | 10/01/2020 22:30:00 | 91 | 49925.0 | 7365.0 | 2271.88 | -5093.12 | 10.2 | 0.00 | 1.063 | 0.000000 |
| Bothe 220kV | 10/01/2020 22:45:00 | 92 | 49925.0 | 7352.5 | 2450.0 | -4902.5 | 9.82 | 0.00 | -2.658 | 0.000000 |
| Bothe 220kV | 10/01/2020 23:00:00 | 93 | 49925.0 | 7285.0 | 3287.5 | -3997.5 | 8.01 | 0.00 | -2.658 | 0.000000 |
| Bothe 220kV | 10/01/2020 23:15:00 | 94 | 49925.0 | 7387.5 | 3859.38 | -3528.12 | 7.07 | 0.00 | 0.000 | 0.000000 |
| Bothe 220kV | 10/01/2020 23:30:00 | 95 | 49925.0 | 7382.5 | 4196.88 | -3185.62 | 6.38 | 0.00 | 0.000 | 0.000000 |
| Bothe 220kV | 10/01/2020 23:45:00 | 96 | 49925.0 | 7365.0 | 5703.12 | -1661.88 | 3.33 | 0.00 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bothe 220kV | 11/01/2020 00:00:00 | 1 | 49925.0 | 7400.0 | 9493.75 | 2093.75 | 4.19 | 0.00 | 0.000 | 0.000000 |
| Bothe 220kV | 11/01/2020 00:15:00 | 2 | 49925.0 | 7362.5 | 12665.62 | 5303.12 | 10.62 | 0.00 | -2.629 | 0.000000 |
| Bothe 220kV | 11/01/2020 00:30:00 | 3 | 49925.0 | 7392.5 | 15578.12 | 8185.62 | 16.4 | 348.44 | -1.577 | 0.000000 |
| Bothe 220kV | 11/01/2020 00:45:00 | 4 | 49925.0 | 7460.0 | 15090.62 | 7630.62 | 15.28 | 70.94 | 2.103 | 0.000000 |
| Bothe 220kV | 11/01/2020 01:00:00 | 5 | 49925.0 | 7387.5 | 16031.25 | 8643.75 | 17.31 | 577.50 | 2.964 | 0.000000 |
| Bothe 220kV | 11/01/2020 01:15:00 | 6 | 49925.0 | 15560.0 | 18175.0 | 2615.0 | 5.24 | 0.00 | 1.052 | 0.000000 |
| Bothe 220kV | 11/01/2020 01:30:00 | 7 | 49925.0 | 15337.5 | 21925.0 | 6587.5 | 13.19 | 0.00 | 1.577 | 0.000000 |
| Bothe 220kV | 11/01/2020 01:45:00 | 8 | 49925.0 | 15310.0 | 26009.38 | 10699.38 | 21.43 | 1605.32 | -0.526 | 0.000000 |
| Bothe 220kV | 11/01/2020 02:00:00 | 9 | 49925.0 | 14912.5 | 28734.38 | 13821.88 | 27.69 | 3836.88 | -0.403 | 0.000000 |
| Bothe 220kV | 11/01/2020 02:15:00 | 10 | 49925.0 | 22135.0 | 28890.62 | 6755.62 | 13.53 | 0.00 | -0.630 | 0.000000 |
| Bothe 220kV | 11/01/2020 02:30:00 | 11 | 49925.0 | 22155.0 | 28559.38 | 6404.38 | 12.83 | 0.00 | -0.526 | 0.000000 |
| Bothe 220kV | 11/01/2020 02:45:00 | 12 | 49925.0 | 21912.5 | 29778.12 | 7865.62 | 15.75 | 188.44 | -0.526 | -374.566598 |
| Bothe 220kV | 11/01/2020 03:00:00 | 13 | 49925.0 | 21257.5 | 31834.38 | 10576.88 | 21.19 | 1544.07 | -1.051 | 0.000000 |
| Bothe 220kV | 11/01/2020 03:15:00 | 14 | 49925.0 | 21380.0 | 31721.88 | 10341.88 | 20.71 | 1426.57 | 0.000 | 0.000000 |
| Bothe 220kV | 11/01/2020 03:30:00 | 15 | 49925.0 | 21392.5 | 31243.75 | 9851.25 | 19.73 | 1181.25 | 0.000 | 0.000000 |
| Bothe 220kV | 11/01/2020 03:45:00 | 16 | 49925.0 | 28830.0 | 32118.75 | 3288.75 | 6.59 | 0.00 | 0.000 | 0.000000 |
| Bothe 220kV | 11/01/2020 04:00:00 | 17 | 49925.0 | 28087.5 | 33340.62 | 5253.12 | 10.52 | 0.00 | 0.000 | 0.000000 |
| Bothe 220kV | 11/01/2020 04:15:00 | 18 | 49925.0 | 27905.0 | 34200.0 | 6295.0 | 12.61 | 0.00 | -1.051 | 0.000000 |
| Bothe 220kV | 11/01/2020 04:30:00 | 19 | 49925.0 | 27580.0 | 35100.0 | 7520.0 | 15.06 | 15.63 | -2.964 | 0.000000 |
| Bothe 220kV | 11/01/2020 04:45:00 | 20 | 49925.0 | 27412.5 | 32293.75 | 4881.25 | 9.78 | 0.00 | -3.300 | 0.000000 |
| Bothe 220kV | 11/01/2020 05:00:00 | 21 | 49925.0 | 27380.0 | 28840.62 | 1460.62 | 2.93 | 0.00 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bothe 220kV | 11/01/2020 05:15:00 | 22 | 49925.0 | 27155.0 | 27768.75 | 613.75 | 1.23 | 0.00 | 5.314 | 0.000000 |
| Bothe 220kV | 11/01/2020 05:30:00 | 23 | 49925.0 | 31412.5 | 26334.38 | -5078.12 | 10.17 | 0.00 | 2.964 | 3074.554408 |
| Bothe 220kV | 11/01/2020 05:45:00 | 24 | 49925.0 | 31087.5 | 24803.12 | -6284.38 | 12.59 | 0.00 | 2.103 | 0.000000 |
| Bothe 220kV | 11/01/2020 06:00:00 | 25 | 49925.0 | 30810.0 | 23209.38 | -7600.62 | 15.22 | 55.94 | 3.636 | 0.000000 |
| Bothe 220kV | 11/01/2020 06:15:00 | 26 | 49925.0 | 30312.5 | 21909.38 | -8403.12 | 16.83 | 457.19 | 2.964 | 0.000000 |
| Bothe 220kV | 11/01/2020 06:30:00 | 27 | 49925.0 | 30162.5 | 21484.38 | -8678.12 | 17.38 | 594.69 | 4.105 | 6375.211085 |
| Bothe 220kV | 11/01/2020 06:45:00 | 28 | 49925.0 | 20197.5 | 18696.88 | -1500.62 | 3.01 | 0.00 | 5.650 | 232.074353 |
| Bothe 220kV | 11/01/2020 07:00:00 | 29 | 49925.0 | 19520.0 | 16965.62 | -2554.38 | 5.12 | 0.00 | 3.300 | 0.000000 |
| Bothe 220kV | 11/01/2020 07:15:00 | 30 | 49925.0 | 18637.5 | 15575.0 | -3062.5 | 6.13 | 0.00 | 5.314 | 0.000000 |
| Bothe 220kV | 11/01/2020 07:30:00 | 31 | 49925.0 | 17765.0 | 13040.62 | -4724.38 | 9.46 | 0.00 | 2.964 | 0.000000 |
| Bothe 220kV | 11/01/2020 07:45:00 | 32 | 49925.0 | 17315.0 | 11250.0 | -6065.0 | 12.15 | 0.00 | 2.103 | 0.000000 |
| Bothe 220kV | 11/01/2020 08:00:00 | 33 | 49925.0 | 15012.5 | 11803.12 | -3209.38 | 6.43 | 0.00 | -1.577 | 0.000000 |
| Bothe 220kV | 11/01/2020 08:15:00 | 34 | 49925.0 | 14747.5 | 14056.25 | -691.25 | 1.38 | 0.00 | 3.300 | 0.000000 |
| Bothe 220kV | 11/01/2020 08:30:00 | 35 | 49925.0 | 14287.5 | 14365.62 | 78.12 | 0.16 | 0.00 | 2.116 | 0.000000 |
| Bothe 220kV | 11/01/2020 08:45:00 | 36 | 49925.0 | 13990.0 | 12915.62 | -1074.38 | 2.15 | 0.00 | 2.964 | 0.000000 |
| Bothe 220kV | 11/01/2020 09:00:00 | 37 | 49925.0 | 11150.0 | 10656.25 | -493.75 | 0.99 | 0.00 | 6.681 | 0.000000 |
| Bothe 220kV | 11/01/2020 09:15:00 | 38 | 49925.0 | 10807.5 | 8140.62 | -2666.88 | 5.34 | 0.00 | 6.657 | 0.000000 |
| Bothe 220kV | 11/01/2020 09:30:00 | 39 | 49925.0 | 9910.0 | 5881.25 | -4028.75 | 8.07 | 0.00 | -6.322 | 0.000000 |
| Bothe 220kV | 11/01/2020 09:45:00 | 40 | 49925.0 | 9120.0 | 5175.0 | -3945.0 | 7.9 | 0.00 | -2.103 | 0.000000 |
| Bothe 220kV | 11/01/2020 10:00:00 | 41 | 49925.0 | 10440.0 | 4968.75 | -5471.25 | 10.96 | 0.00 | 0.526 | 0.000000 |
| Bothe 220kV | 11/01/2020 10:15:00 | 42 | 49925.0 | 9685.0 | 4443.75 | -5241.25 | 10.5 | 0.00 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bothe 220kV | 11/01/2020 10:30:00 | 43 | 49925.0 | 8960.0 | 3859.38 | -5100.62 | 10.22 | 0.00 | 0.000 | 0.000000 |
| Bothe 220kV | 11/01/2020 10:45:00 | 44 | 49925.0 | 7385.0 | 3453.12 | -3931.88 | 7.88 | 0.00 | 0.000 | 0.000000 |
| Bothe 220kV | 11/01/2020 11:00:00 | 45 | 49925.0 | 7382.5 | 3153.12 | -4229.38 | 8.47 | 0.00 | 0.000 | 0.000000 |
| Bothe 220kV | 11/01/2020 11:15:00 | 46 | 49925.0 | 7472.5 | 2837.5 | -4635.0 | 9.28 | 0.00 | -2.964 | 0.000000 |
| Bothe 220kV | 11/01/2020 11:30:00 | 47 | 49925.0 | 7285.0 | 2956.25 | -4328.75 | 8.67 | 0.00 | -4.307 | 0.000000 |
| Bothe 220kV | 11/01/2020 11:45:00 | 48 | 49925.0 | 7387.5 | 2731.25 | -4656.25 | 9.33 | 0.00 | -3.300 | 0.000000 |
| Bothe 220kV | 11/01/2020 12:00:00 | 49 | 49925.0 | 7382.5 | 2393.75 | -4988.75 | 9.99 | 0.00 | -0.526 | 0.000000 |
| Bothe 220kV | 11/01/2020 12:15:00 | 50 | 49925.0 | 7365.0 | 1971.88 | -5393.12 | 10.8 | 0.00 | -2.103 | 0.000000 |
| Bothe 220kV | 11/01/2020 12:30:00 | 51 | 49925.0 | 7352.5 | 1565.62 | -5786.88 | 11.59 | 0.00 | -2.629 | 0.000000 |
| Bothe 220kV | 11/01/2020 12:45:00 | 52 | 49925.0 | 7417.5 | 1128.12 | -6289.38 | 12.6 | 0.00 | -2.629 | 0.000000 |
| Bothe 220kV | 11/01/2020 13:00:00 | 53 | 49925.0 | 7290.0 | 662.5 | -6627.5 | 13.27 | 0.00 | 0.000 | 0.000000 |
| Bothe 220kV | 11/01/2020 13:15:00 | 54 | 49925.0 | 7400.0 | 656.25 | -6743.75 | 13.51 | 0.00 | -2.103 | 0.000000 |
| Bothe 220kV | 11/01/2020 13:30:00 | 55 | 49925.0 | 7362.5 | 715.62 | -6646.88 | 13.31 | 0.00 | 2.629 | 0.000000 |
| Bothe 220kV | 11/01/2020 13:45:00 | 56 | 49925.0 | 7392.5 | 634.38 | -6758.12 | 13.54 | 0.00 | 2.103 | 0.000000 |
| Bothe 220kV | 11/01/2020 14:00:00 | 57 | 49925.0 | 7460.0 | 393.75 | -7066.25 | 14.15 | 0.00 | 1.051 | 0.000000 |
| Bothe 220kV | 11/01/2020 14:15:00 | 58 | 49925.0 | 7387.5 | 159.38 | -7228.12 | 14.48 | 0.00 | 3.300 | 0.000000 |
| Bothe 220kV | 11/01/2020 14:30:00 | 59 | 49925.0 | 7382.5 | 53.12 | -7329.38 | 14.68 | 0.00 | -3.636 | 0.000000 |
| Bothe 220kV | 11/01/2020 14:45:00 | 60 | 49925.0 | 7365.0 | 31.25 | -7333.75 | 14.69 | 0.00 | 4.979 | 0.000000 |
| Bothe 220kV | 11/01/2020 15:00:00 | 61 | 49925.0 | 7352.5 | 0.0 | -7352.5 | 14.73 | 0.00 | -2.964 | 0.000000 |
| Bothe 220kV | 11/01/2020 15:15:00 | 62 | 49925.0 | 7285.0 | 0.0 | -7285.0 | 14.59 | 0.00 | -5.314 | 0.000000 |
| Bothe 220kV | 11/01/2020 15:30:00 | 63 | 49925.0 | 7387.5 | 3.12 | -7384.38 | 14.79 | 0.00 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bothe 220kV | 11/01/2020 15:45:00 | 64 | 49925.0 | 7382.5 | 6.25 | -7376.25 | 14.77 | 0.00 | 4.643 | 0.000000 |
| Bothe 220kV | 11/01/2020 16:00:00 | 65 | 49925.0 | 7365.0 | 9.38 | -7355.62 | 14.73 | 0.00 | 2.103 | 0.000000 |
| Bothe 220kV | 11/01/2020 16:15:00 | 66 | 49925.0 | 7382.5 | 0.0 | -7382.5 | 14.79 | 0.00 | -2.964 | 0.000000 |
| Bothe 220kV | 11/01/2020 16:30:00 | 67 | 49925.0 | 7385.0 | 0.0 | -7385.0 | 14.79 | 0.00 | -2.103 | 0.000000 |
| Bothe 220kV | 11/01/2020 16:45:00 | 68 | 49925.0 | 7382.5 | 0.0 | -7382.5 | 14.79 | 0.00 | 3.972 | 0.000000 |
| Bothe 220kV | 11/01/2020 17:00:00 | 69 | 49925.0 | 7472.5 | 0.0 | -7472.5 | 14.97 | 0.00 | -1.577 | 0.000000 |
| Bothe 220kV | 11/01/2020 17:15:00 | 70 | 49925.0 | 7285.0 | 0.0 | -7285.0 | 14.59 | 0.00 | -1.577 | 0.000000 |
| Bothe 220kV | 11/01/2020 17:30:00 | 71 | 49925.0 | 7387.5 | 0.0 | -7387.5 | 14.8 | 0.00 | 1.051 | 94.259658 |
| Bothe 220kV | 11/01/2020 17:45:00 | 72 | 49925.0 | 7382.5 | 0.0 | -7382.5 | 14.79 | 0.00 | -2.103 | 0.000000 |
| Bothe 220kV | 11/01/2020 18:00:00 | 73 | 49925.0 | 7365.0 | 59.38 | -7305.62 | 14.63 | 0.00 | -2.964 | 0.000000 |
| Bothe 220kV | 11/01/2020 18:15:00 | 74 | 49925.0 | 7352.5 | 62.5 | -7290.0 | 14.6 | 0.00 | -2.629 | 0.000000 |
| Bothe 220kV | 11/01/2020 18:30:00 | 75 | 49925.0 | 7417.5 | 106.25 | -7311.25 | 14.64 | 0.00 | 2.103 | 257.008668 |
| Bothe 220kV | 11/01/2020 18:45:00 | 76 | 49925.0 | 7290.0 | 493.75 | -6796.25 | 13.61 | 0.00 | 0.526 | 699.516483 |
| Bothe 220kV | 11/01/2020 19:00:00 | 77 | 49925.0 | 7400.0 | 631.25 | -6768.75 | 13.56 | 0.00 | 2.103 | 2767.041674 |
| Bothe 220kV | 11/01/2020 19:15:00 | 78 | 49925.0 | 7362.5 | 625.0 | -6737.5 | 13.5 | 0.00 | -1.052 | 0.000000 |
| Bothe 220kV | 11/01/2020 19:30:00 | 79 | 49925.0 | 7392.5 | 568.75 | -6823.75 | 13.67 | 0.00 | 2.964 | 0.000000 |
| Bothe 220kV | 11/01/2020 19:45:00 | 80 | 49925.0 | 7460.0 | 368.75 | -7091.25 | 14.2 | 0.00 | 2.629 | 5274.733458 |
| Bothe 220kV | 11/01/2020 20:00:00 | 81 | 49925.0 | 7387.5 | 156.25 | -7231.25 | 14.48 | 0.00 | 2.629 | 1176.023362 |
| Bothe 220kV | 11/01/2020 20:15:00 | 82 | 49925.0 | 7382.5 | 128.12 | -7254.38 | 14.53 | 0.00 | 4.307 | 3890.345016 |
| Bothe 220kV | 11/01/2020 20:30:00 | 83 | 49925.0 | 7365.0 | 128.12 | -7236.88 | 14.5 | 0.00 | 2.964 | 9950.790516 |
| Bothe 220kV | 11/01/2020 20:45:00 | 84 | 49925.0 | 7352.5 | 125.0 | -7227.5 | 14.48 | 0.00 | 2.629 | 8530.638948 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bothe 220kV | 11/01/2020 21:00:00 | 85 | 49925.0 | 7285.0 | 225.0 | -7060.0 | 14.14 | 0.00 | 3.636 | 1513.438304 |
| Bothe 220kV | 11/01/2020 21:15:00 | 86 | 49925.0 | 7387.5 | 471.88 | -6915.62 | 13.85 | 0.00 | -1.577 | 0.000000 |
| Bothe 220kV | 11/01/2020 21:30:00 | 87 | 49925.0 | 7382.5 | 587.5 | -6795.0 | 13.61 | 0.00 | -1.577 | 0.000000 |
| Bothe 220kV | 11/01/2020 21:45:00 | 88 | 49925.0 | 7365.0 | 615.62 | -6749.38 | 13.52 | 0.00 | -1.052 | 0.000000 |
| Bothe 220kV | 11/01/2020 22:00:00 | 89 | 49925.0 | 2707.5 | 590.62 | -2116.88 | 4.24 | 0.00 | -5.650 | 0.000000 |
| Bothe 220kV | 11/01/2020 22:15:00 | 90 | 49925.0 | 2752.5 | 700.0 | -2052.5 | 4.11 | 0.00 | -5.650 | 0.000000 |
| Bothe 220kV | 11/01/2020 22:30:00 | 91 | 49925.0 | 7460.0 | 1003.12 | -6456.88 | 12.93 | 0.00 | 4.979 | 3113.227420 |
| Bothe 220kV | 11/01/2020 22:45:00 | 92 | 49925.0 | 7387.5 | 1225.0 | -6162.5 | 12.34 | 0.00 | 2.964 | 3869.944487 |
| Bothe 220kV | 11/01/2020 23:00:00 | 93 | 49925.0 | 7382.5 | 1184.38 | -6198.12 | 12.41 | 0.00 | 1.577 | 969.186037 |
| Bothe 220kV | 11/01/2020 23:15:00 | 94 | 49925.0 | 7365.0 | 1731.25 | -5633.75 | 11.28 | 0.00 | 1.074 | 720.554925 |
| Bothe 220kV | 11/01/2020 23:30:00 | 95 | 49925.0 | 7352.5 | 1812.5 | -5540.0 | 11.1 | 0.00 | 2.113 | 3193.745831 |
| Bothe 220kV | 11/01/2020 23:45:00 | 96 | 49925.0 | 7285.0 | 2006.25 | -5278.75 | 10.57 | 0.00 | 2.162 | 3923.189966 |
| Bothe 220kV | 12/01/2020 00:00:00 | 1 | 49925.0 | 7387.5 | 2215.62 | -5171.88 | 10.36 | 0.00 | 3.022 | 3181.057018 |
| Bothe 220kV | 12/01/2020 00:15:00 | 2 | 49925.0 | 7382.5 | 2440.62 | -4941.88 | 9.9 | 0.00 | -2.152 | 0.000000 |
| Bothe 220kV | 12/01/2020 00:30:00 | 3 | 49925.0 | 7365.0 | 2484.38 | -4880.62 | 9.78 | 0.00 | -2.152 | 0.000000 |
| Bothe 220kV | 12/01/2020 00:45:00 | 4 | 49925.0 | 7352.5 | 1728.12 | -5624.38 | 11.27 | 0.00 | -3.022 | 0.000000 |
| Bothe 220kV | 12/01/2020 01:00:00 | 5 | 49925.0 | 7285.0 | 1471.88 | -5813.12 | 11.64 | 0.00 | -0.629 | 0.000000 |
| Bothe 220kV | 12/01/2020 01:15:00 | 6 | 49925.0 | 7387.5 | 1756.25 | -5631.25 | 11.28 | 0.00 | -3.317 | 0.000000 |
| Bothe 220kV | 12/01/2020 01:30:00 | 7 | 49925.0 | 7382.5 | 2196.88 | -5185.62 | 10.39 | 0.00 | -3.354 | 0.000000 |
| Bothe 220kV | 12/01/2020 01:45:00 | 8 | 49925.0 | 8060.0 | 3328.12 | -4731.88 | 9.48 | 0.00 | -3.022 | 0.000000 |
| Bothe 220kV | 12/01/2020 02:00:00 | 9 | 49925.0 | 8405.0 | 3915.62 | -4489.38 | 8.99 | 0.00 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bothe 220kV | 12/01/2020 02:15:00 | 10 | 49925.0 | 8562.5 | 3581.25 | -4981.25 | 9.98 | 0.00 | -3.022 | 0.000000 |
| Bothe 220kV | 12/01/2020 02:30:00 | 11 | 49925.0 | 8630.0 | 5628.12 | -3001.88 | 6.01 | 0.00 | -2.690 | 0.000000 |
| Bothe 220kV | 12/01/2020 02:45:00 | 12 | 49925.0 | 9912.5 | 7234.38 | -2678.12 | 5.36 | 0.00 | -3.022 | 0.000000 |
| Bothe 220kV | 12/01/2020 03:00:00 | 13 | 49925.0 | 9912.5 | 8784.38 | -1128.12 | 2.26 | 0.00 | 3.354 | 534.150201 |
| Bothe 220kV | 12/01/2020 03:15:00 | 14 | 49925.0 | 9630.0 | 9868.75 | 238.75 | 0.48 | 0.00 | 3.022 | 0.000000 |
| Bothe 220kV | 12/01/2020 03:30:00 | 15 | 49925.0 | 9905.0 | 11178.12 | 1273.12 | 2.55 | 0.00 | 3.354 | 0.000000 |
| Bothe 220kV | 12/01/2020 03:45:00 | 16 | 49925.0 | 12052.5 | 11234.38 | -818.12 | 1.64 | 0.00 | 2.152 | 0.000000 |
| Bothe 220kV | 12/01/2020 04:00:00 | 17 | 49925.0 | 12065.0 | 11062.5 | -1002.5 | 2.01 | 0.00 | -2.152 | 0.000000 |
| Bothe 220kV | 12/01/2020 04:15:00 | 18 | 49925.0 | 12082.5 | 11212.5 | -870.0 | 1.74 | 0.00 | -3.022 | 0.000000 |
| Bothe 220kV | 12/01/2020 04:30:00 | 19 | 49925.0 | 12042.5 | 12250.0 | 207.5 | 0.42 | 0.00 | 1.076 | 0.000000 |
| Bothe 220kV | 12/01/2020 04:45:00 | 20 | 49925.0 | 11955.0 | 13059.38 | 1104.38 | 2.21 | 0.00 | -3.022 | 0.000000 |
| Bothe 220kV | 12/01/2020 05:00:00 | 21 | 49925.0 | 12120.0 | 13106.25 | 986.25 | 1.98 | 0.00 | 3.686 | 0.000000 |
| Bothe 220kV | 12/01/2020 05:15:00 | 22 | 49925.0 | 12292.5 | 13381.25 | 1088.75 | 2.18 | 0.00 | 3.686 | 0.000000 |
| Bothe 220kV | 12/01/2020 05:30:00 | 23 | 49925.0 | 14027.5 | 12765.62 | -1261.88 | 2.53 | 0.00 | -1.614 | 0.000000 |
| Bothe 220kV | 12/01/2020 05:45:00 | 24 | 49925.0 | 14062.5 | 14643.75 | 581.25 | 1.16 | 0.00 | -0.496 | 0.000000 |
| Bothe 220kV | 12/01/2020 06:00:00 | 25 | 49925.0 | 13952.5 | 14846.88 | 894.38 | 1.79 | 0.00 | 0.000 | 0.000000 |
| Bothe 220kV | 12/01/2020 06:15:00 | 26 | 49925.0 | 14215.0 | 16153.12 | 1938.12 | 3.88 | 0.00 | -0.430 | 0.000000 |
| Bothe 220kV | 12/01/2020 06:30:00 | 27 | 49925.0 | 14085.0 | 16015.62 | 1930.62 | 3.87 | 0.00 | -2.152 | 0.000000 |
| Bothe 220kV | 12/01/2020 06:45:00 | 28 | 49925.0 | 16595.0 | 16846.88 | 251.88 | 0.5 | 0.00 | 4.681 | 0.000000 |
| Bothe 220kV | 12/01/2020 07:00:00 | 29 | 49925.0 | 16642.5 | 16659.38 | 16.88 | 0.03 | 0.00 | 1.614 | 0.000000 |
| Bothe 220kV | 12/01/2020 07:15:00 | 30 | 49925.0 | 16335.0 | 15137.5 | -1197.5 | 2.4 | 0.00 | 3.838 | 991.118561 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bothe 220kV | 12/01/2020 07:30:00 | 31 | 49925.0 | 15947.5 | 15837.5 | -110.0 | 0.22 | 0.00 | 3.022 | 0.000000 |
| Bothe 220kV | 12/01/2020 07:45:00 | 32 | 49925.0 | 15367.5 | 17006.25 | 1638.75 | 3.28 | 0.00 | 2.690 | 0.000000 |
| Bothe 220kV | 12/01/2020 08:00:00 | 33 | 49925.0 | 15742.5 | 17331.25 | 1588.75 | 3.18 | 0.00 | -2.690 | -848.730774 |
| Bothe 220kV | 12/01/2020 08:15:00 | 34 | 49925.0 | 15622.5 | 17071.88 | 1449.38 | 2.9 | 0.00 | -4.018 | -713.830721 |
| Bothe 220kV | 12/01/2020 08:30:00 | 35 | 49925.0 | 14872.5 | 17215.62 | 2343.12 | 4.69 | 0.00 | -2.690 | -111.284733 |
| Bothe 220kV | 12/01/2020 08:45:00 | 36 | 49925.0 | 15195.0 | 15390.62 | 195.62 | 0.39 | 0.00 | 3.022 | 0.000000 |
| Bothe 220kV | 12/01/2020 09:00:00 | 37 | 49925.0 | 15097.5 | 13346.88 | -1750.62 | 3.51 | 0.00 | -3.354 | 0.000000 |
| Bothe 220kV | 12/01/2020 09:15:00 | 38 | 49925.0 | 15417.5 | 11693.75 | -3723.75 | 7.46 | 0.00 | -4.350 | 0.000000 |
| Bothe 220kV | 12/01/2020 09:30:00 | 39 | 49925.0 | 15117.5 | 9784.38 | -5333.12 | 10.68 | 0.00 | 2.152 | 0.000000 |
| Bothe 220kV | 12/01/2020 09:45:00 | 40 | 49925.0 | 10562.5 | 9465.62 | -1096.88 | 2.2 | 0.00 | -2.690 | 0.000000 |
| Bothe 220kV | 12/01/2020 10:00:00 | 41 | 49925.0 | 10312.5 | 9587.5 | -725.0 | 1.45 | 0.00 | -3.354 | 0.000000 |
| Bothe 220kV | 12/01/2020 10:15:00 | 42 | 49925.0 | 10062.5 | 8812.5 | -1250.0 | 2.5 | 0.00 | -3.686 | 0.000000 |
| Bothe 220kV | 12/01/2020 10:30:00 | 43 | 49925.0 | 9930.0 | 8756.25 | -1173.75 | 2.35 | 0.00 | -1.614 | 0.000000 |
| Bothe 220kV | 12/01/2020 10:45:00 | 44 | 49925.0 | 9615.0 | 6534.38 | -3080.62 | 6.17 | 0.00 | 3.686 | 0.000000 |
| Bothe 220kV | 12/01/2020 11:00:00 | 45 | 49925.0 | 9147.5 | 5040.62 | -4106.88 | 8.23 | 0.00 | -3.354 | 0.000000 |
| Bothe 220kV | 12/01/2020 11:15:00 | 46 | 49925.0 | 8670.0 | 4009.38 | -4660.62 | 9.34 | 0.00 | -5.450 | 0.000000 |
| Bothe 220kV | 12/01/2020 11:30:00 | 47 | 49925.0 | 7880.0 | 3603.12 | -4276.88 | 8.57 | 0.00 | -6.009 | 0.000000 |
| Bothe 220kV | 12/01/2020 11:45:00 | 48 | 49925.0 | 7535.0 | 3206.25 | -4328.75 | 8.67 | 0.00 | 2.690 | 0.000000 |
| Bothe 220kV | 12/01/2020 12:00:00 | 49 | 49925.0 | 7037.5 | 2796.88 | -4240.62 | 8.49 | 0.00 | 3.686 | 0.000000 |
| Bothe 220kV | 12/01/2020 12:15:00 | 50 | 49925.0 | 5295.0 | 2690.62 | -2604.38 | 5.22 | 0.00 | -5.345 | 0.000000 |
| Bothe 220kV | 12/01/2020 12:30:00 | 51 | 49925.0 | 4825.0 | 2731.25 | -2093.75 | 4.19 | 0.00 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bothe 220kV | 12/01/2020 12:45:00 | 52 | 49925.0 | 4297.5 | 2596.88 | -1700.62 | 3.41 | 0.00 | -5.345 | 0.000000 |
| Bothe 220kV | 12/01/2020 13:00:00 | 53 | 49925.0 | 6335.0 | 2221.88 | -4113.12 | 8.24 | 0.00 | -3.999 | 0.000000 |
| Bothe 220kV | 12/01/2020 13:15:00 | 54 | 49925.0 | 6412.5 | 2000.0 | -4412.5 | 8.84 | 0.00 | -4.350 | 0.000000 |
| Bothe 220kV | 12/01/2020 13:30:00 | 55 | 49925.0 | 6382.5 | 2243.75 | -4138.75 | 8.29 | 0.00 | -1.076 | 0.000000 |
| Bothe 220kV | 12/01/2020 13:45:00 | 56 | 49925.0 | 6365.0 | 2256.25 | -4108.75 | 8.23 | 0.00 | -2.690 | 0.000000 |
| Bothe 220kV | 12/01/2020 14:00:00 | 57 | 49925.0 | 6352.5 | 1940.62 | -4411.88 | 8.84 | 0.00 | -0.538 | 0.000000 |
| Bothe 220kV | 12/01/2020 14:15:00 | 58 | 49925.0 | 6285.0 | 1390.62 | -4894.38 | 9.8 | 0.00 | -2.152 | 0.000000 |
| Bothe 220kV | 12/01/2020 14:30:00 | 59 | 49925.0 | 6387.5 | 1181.25 | -5206.25 | 10.43 | 0.00 | -2.690 | 0.000000 |
| Bothe 220kV | 12/01/2020 14:45:00 | 60 | 49925.0 | 6382.5 | 571.88 | -5810.62 | 11.64 | 0.00 | -1.076 | 0.000000 |
| Bothe 220kV | 12/01/2020 15:00:00 | 61 | 49925.0 | 6365.0 | 753.12 | -5611.88 | 11.24 | 0.00 | 0.000 | 0.000000 |
| Bothe 220kV | 12/01/2020 15:15:00 | 62 | 49925.0 | 6382.5 | 250.0 | -6132.5 | 12.28 | 0.00 | -2.690 | 0.000000 |
| Bothe 220kV | 12/01/2020 15:30:00 | 63 | 49925.0 | 6472.5 | 156.25 | -6316.25 | 12.65 | 0.00 | -3.022 | 0.000000 |
| Bothe 220kV | 12/01/2020 15:45:00 | 64 | 49925.0 | 6285.0 | 190.62 | -6094.38 | 12.21 | 0.00 | -3.686 | 0.000000 |
| Bothe 220kV | 12/01/2020 16:00:00 | 65 | 49925.0 | 6387.5 | 31.25 | -6356.25 | 12.73 | 0.00 | -3.737 | 0.000000 |
| Bothe 220kV | 12/01/2020 16:15:00 | 66 | 49925.0 | 6382.5 | 0.0 | -6382.5 | 12.78 | 0.00 | -5.786 | 0.000000 |
| Bothe 220kV | 12/01/2020 16:30:00 | 67 | 49925.0 | 7382.5 | 0.0 | -7382.5 | 14.79 | 0.00 | -4.350 | 0.000000 |
| Bothe 220kV | 12/01/2020 16:45:00 | 68 | 49925.0 | 7365.0 | 0.0 | -7365.0 | 14.75 | 0.00 | -1.614 | 0.000000 |
| Bothe 220kV | 12/01/2020 17:00:00 | 69 | 49925.0 | 7352.5 | 0.0 | -7352.5 | 14.73 | 0.00 | 0.000 | 0.000000 |
| Bothe 220kV | 12/01/2020 17:15:00 | 70 | 49925.0 | 7417.5 | 0.0 | -7417.5 | 14.86 | 0.00 | 2.690 | 1923.014694 |
| Bothe 220kV | 12/01/2020 17:30:00 | 71 | 49925.0 | 7290.0 | 0.0 | -7290.0 | 14.6 | 0.00 | -3.022 | 0.000000 |
| Bothe 220kV | 12/01/2020 17:45:00 | 72 | 49925.0 | 7400.0 | 0.0 | -7400.0 | 14.82 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bothe 220kV | 12/01/2020 18:00:00 | 73 | 49925.0 | 7362.5 | 0.0 | -7362.5 | 14.75 | 0.00 | -0.538 | 0.000000 |
| Bothe 220kV | 12/01/2020 18:15:00 | 74 | 49925.0 | 7392.5 | 0.0 | -7392.5 | 14.81 | 0.00 | -4.350 | 0.000000 |
| Bothe 220kV | 12/01/2020 18:30:00 | 75 | 49925.0 | 7460.0 | 9.38 | -7450.62 | 14.92 | 0.00 | 2.690 | 1281.246957 |
| Bothe 220kV | 12/01/2020 18:45:00 | 76 | 49925.0 | 7387.5 | 203.12 | -7184.38 | 14.39 | 0.00 | 3.022 | 7959.331904 |
| Bothe 220kV | 12/01/2020 19:00:00 | 77 | 49925.0 | 7382.5 | 362.5 | -7020.0 | 14.06 | 0.00 | 3.686 | 2498.116213 |
| Bothe 220kV | 12/01/2020 19:15:00 | 78 | 49925.0 | 7365.0 | 418.75 | -6946.25 | 13.91 | 0.00 | 2.690 | 146.726024 |
| Bothe 220kV | 12/01/2020 19:30:00 | 79 | 49925.0 | 7352.5 | 768.75 | -6583.75 | 13.19 | 0.00 | -3.022 | 0.000000 |
| Bothe 220kV | 12/01/2020 19:45:00 | 80 | 49925.0 | 7285.0 | 1165.62 | -6119.38 | 12.26 | 0.00 | -1.781 | 0.000000 |
| Bothe 220kV | 12/01/2020 20:00:00 | 81 | 49925.0 | 7387.5 | 1684.38 | -5703.12 | 11.42 | 0.00 | -3.021 | 0.000000 |
| Bothe 220kV | 12/01/2020 20:15:00 | 82 | 49925.0 | 7382.5 | 2028.12 | -5354.38 | 10.72 | 0.00 | -4.018 | 0.000000 |
| Bothe 220kV | 12/01/2020 20:30:00 | 83 | 49925.0 | 7365.0 | 1859.38 | -5505.62 | 11.03 | 0.00 | -3.354 | 0.000000 |
| Bothe 220kV | 12/01/2020 20:45:00 | 84 | 49925.0 | 7382.5 | 1490.62 | -5891.88 | 11.8 | 0.00 | -1.614 | 0.000000 |
| Bothe 220kV | 12/01/2020 21:00:00 | 85 | 49925.0 | 7472.5 | 1340.62 | -6131.88 | 12.28 | 0.00 | -4.350 | 0.000000 |
| Bothe 220kV | 12/01/2020 21:15:00 | 86 | 49925.0 | 7285.0 | 1059.38 | -6225.62 | 12.47 | 0.00 | -3.686 | 0.000000 |
| Bothe 220kV | 12/01/2020 21:30:00 | 87 | 49925.0 | 7387.5 | 550.0 | -6837.5 | 13.7 | 0.00 | -1.614 | 0.000000 |
| Bothe 220kV | 12/01/2020 21:45:00 | 88 | 49925.0 | 7382.5 | 81.25 | -7301.25 | 14.62 | 0.00 | 0.000 | 0.000000 |
| Bothe 220kV | 12/01/2020 22:00:00 | 89 | 49925.0 | 7382.5 | 0.0 | -7382.5 | 14.79 | 0.00 | -3.354 | 0.000000 |
| Bothe 220kV | 12/01/2020 22:15:00 | 90 | 49925.0 | 7365.0 | 0.0 | -7365.0 | 14.75 | 0.00 | 4.350 | 8992.302557 |
| Bothe 220kV | 12/01/2020 22:30:00 | 91 | 49925.0 | 7352.5 | 0.0 | -7352.5 | 14.73 | 0.00 | 5.215 | 16930.136118 |
| Bothe 220kV | 12/01/2020 22:45:00 | 92 | 49925.0 | 7417.5 | 0.0 | -7417.5 | 14.86 | 0.00 | 3.022 | 1671.976275 |
| Bothe 220kV | 12/01/2020 23:00:00 | 93 | 49925.0 | 7290.0 | 0.0 | -7290.0 | 14.6 | 0.00 | 3.022 | 3599.237607 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Bothe 220kV | 12/01/2020 23:15:00 | 94 | 49925.0 | 7400.0 | 0.0 | -7400.0 | 14.82 | 0.00 | 2.152 | 3637.896382 |
| Bothe 220kV | 12/01/2020 23:30:00 | 95 | 49925.0 | 7362.5 | 0.0 | -7362.5 | 14.75 | 0.00 | 2.152 | 2082.844248 |
| Bothe 220kV | 12/01/2020 23:45:00 | 96 | 49925.0 | 7392.5 | 53.12 | -7339.38 | 14.7 | 0.00 | 2.152 | 2385.655306 |
| Chavneshwar 132kV | 06/01/2020 00:00:00 | 1 | 15400.0 | 4615.0 | 7528.12 | 2913.12 | 18.92 | 301.56 | 2.903 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 00:15:00 | 2 | 15400.0 | 4615.0 | 7531.25 | 2916.25 | 18.94 | 303.13 | 0.000 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 00:30:00 | 3 | 15400.0 | 4590.0 | 7659.38 | 3069.38 | 19.93 | 379.69 | 0.000 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 00:45:00 | 4 | 15400.0 | 4577.5 | 6809.38 | 2231.88 | 14.49 | 0.00 | -0.984 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 01:00:00 | 5 | 15400.0 | 4465.0 | 6362.5 | 1897.5 | 12.32 | 0.00 | -3.541 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 01:15:00 | 6 | 15400.0 | 4300.0 | 6840.62 | 2540.62 | 16.5 | 115.31 | 3.222 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 01:30:00 | 7 | 15400.0 | 4615.0 | 8181.25 | 3566.25 | 23.16 | 628.13 | 3.541 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 01:45:00 | 8 | 15400.0 | 4615.0 | 8209.38 | 3594.38 | 23.34 | 642.19 | 2.352 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 02:00:00 | 9 | 15400.0 | 4590.0 | 8078.12 | 3488.12 | 22.65 | 589.06 | 1.747 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 02:15:00 | 10 | 15400.0 | 4577.5 | 8293.75 | 3716.25 | 24.13 | 703.13 | 0.581 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 02:30:00 | 11 | 15400.0 | 4465.0 | 8328.12 | 3863.12 | 25.09 | 783.12 | -2.323 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 02:45:00 | 12 | 15400.0 | 4300.0 | 7971.88 | 3671.88 | 23.84 | 680.94 | 2.323 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 03:00:00 | 13 | 15400.0 | 4615.0 | 7256.25 | 2641.25 | 17.15 | 165.63 | 2.323 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 03:15:00 | 14 | 15400.0 | 4615.0 | 6503.12 | 1888.12 | 12.26 | 0.00 | -1.742 | -56.861382 |
| Chavneshwar 132kV | 06/01/2020 03:30:00 | 15 | 15400.0 | 4590.0 | 6487.5 | 1897.5 | 12.32 | 0.00 | 3.222 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 03:45:00 | 16 | 15400.0 | 4577.5 | 6596.88 | 2019.38 | 13.11 | 0.00 | 3.541 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 04:00:00 | 17 | 15400.0 | 4965.0 | 6259.38 | 1294.38 | 8.41 | 0.00 | 4.496 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 04:15:00 | 18 | 15400.0 | 4800.0 | 4859.38 | 59.38 | 0.39 | 0.00 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Chavneshwar 132kV | 06/01/2020 04:30:00 | 19 | 15400.0 | 4807.5 | 4337.5 | -470.0 | 3.05 | 0.00 | 3.859 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 04:45:00 | 20 | 15400.0 | 4812.5 | 4250.0 | -562.5 | 3.65 | 0.00 | 4.815 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 05:00:00 | 21 | 15400.0 | 4837.5 | 4418.75 | -418.75 | 2.72 | 0.00 | 3.859 | 183.655779 |
| Chavneshwar 132kV | 06/01/2020 05:15:00 | 22 | 15400.0 | 4812.5 | 4296.88 | -515.62 | 3.35 | 0.00 | 6.407 | 408.259694 |
| Chavneshwar 132kV | 06/01/2020 05:30:00 | 23 | 15400.0 | 3162.5 | 4528.12 | 1365.62 | 8.87 | 0.00 | 6.496 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 05:45:00 | 24 | 15400.0 | 3062.5 | 4643.75 | 1581.25 | 10.27 | 0.00 | 7.492 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 06:00:00 | 25 | 15400.0 | 3215.0 | 4318.75 | 1103.75 | 7.17 | 0.00 | -5.452 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 06:15:00 | 26 | 15400.0 | 3050.0 | 3187.5 | 137.5 | 0.89 | 0.00 | -6.089 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 06:30:00 | 27 | 15400.0 | 3057.5 | 2350.0 | -707.5 | 4.59 | 0.00 | -7.044 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 06:45:00 | 28 | 15400.0 | 3062.5 | 1737.5 | -1325.0 | 8.6 | 0.00 | 7.682 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 07:00:00 | 29 | 15400.0 | 3087.5 | 1434.38 | -1653.12 | 10.73 | 0.00 | -3.859 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 07:15:00 | 30 | 15400.0 | 3062.5 | 1312.5 | -1750.0 | 11.36 | 0.00 | 4.815 | 868.906658 |
| Chavneshwar 132kV | 06/01/2020 07:30:00 | 31 | 15400.0 | 3162.5 | 1303.12 | -1859.38 | 12.07 | 0.00 | 4.178 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 07:45:00 | 32 | 15400.0 | 3085.0 | 1231.25 | -1853.75 | 12.04 | 0.00 | -3.540 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 08:00:00 | 33 | 15400.0 | 3062.5 | 862.5 | -2200.0 | 14.29 | 0.00 | -3.859 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 08:15:00 | 34 | 15400.0 | 3062.5 | 471.88 | -2590.62 | 16.82 | 140.31 | -5.452 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 08:30:00 | 35 | 15400.0 | 3215.0 | 475.0 | -2740.0 | 17.79 | 215.00 | 4.178 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 08:45:00 | 36 | 15400.0 | 3050.0 | 787.5 | -2262.5 | 14.69 | 0.00 | -3.859 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 09:00:00 | 37 | 15400.0 | 3057.5 | 1175.0 | -1882.5 | 12.22 | 0.00 | -6.407 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 09:15:00 | 38 | 15400.0 | 3062.5 | 962.5 | -2100.0 | 13.64 | 0.00 | -8.000 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 09:30:00 | 39 | 15400.0 | 3087.5 | 784.38 | -2303.12 | 14.96 | 0.00 | -5.770 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Chavneshwar 132kV | 06/01/2020 09:45:00 | 40 | 15400.0 | 3062.5 | 600.0 | -2462.5 | 15.99 | 76.25 | 3.222 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 10:00:00 | 41 | 15400.0 | 3162.5 | 581.25 | -2581.25 | 16.76 | 135.63 | -2.903 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 10:15:00 | 42 | 15400.0 | 3085.0 | 343.75 | -2741.25 | 17.8 | 215.63 | -3.222 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 10:30:00 | 43 | 15400.0 | 3362.5 | 243.75 | -3118.75 | 20.25 | 404.38 | 4.815 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 10:45:00 | 44 | 15400.0 | 1777.5 | 281.25 | -1496.25 | 9.72 | 0.00 | 4.496 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 11:00:00 | 45 | 15400.0 | 1832.5 | 421.88 | -1410.62 | 9.16 | 0.00 | 16.000 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 11:15:00 | 46 | 15400.0 | 1795.0 | 546.88 | -1248.12 | 8.1 | 0.00 | 5.133 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 11:30:00 | 47 | 15400.0 | 1835.0 | 728.12 | -1106.88 | 7.19 | 0.00 | 1.182 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 11:45:00 | 48 | 15400.0 | 1747.5 | 775.0 | -972.5 | 6.31 | 0.00 | 6.308 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 12:00:00 | 49 | 15400.0 | 1805.0 | 721.88 | -1083.12 | 7.03 | 0.00 | 6.598 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 12:15:00 | 50 | 15400.0 | 1865.0 | 728.12 | -1136.88 | 7.38 | 0.00 | 5.431 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 12:30:00 | 51 | 15400.0 | 1795.0 | 615.62 | -1179.38 | 7.66 | 0.00 | 3.540 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 12:45:00 | 52 | 15400.0 | 1840.0 | 600.0 | -1240.0 | 8.05 | 0.00 | -2.903 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 13:00:00 | 53 | 15400.0 | 1960.0 | 693.75 | -1266.25 | 8.22 | 0.00 | -1.161 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 13:15:00 | 54 | 15400.0 | 1855.0 | 934.38 | -920.62 | 5.98 | 0.00 | 3.859 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 13:30:00 | 55 | 15400.0 | 1805.0 | 1109.38 | -695.62 | 4.52 | 0.00 | -6.407 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 13:45:00 | 56 | 15400.0 | 1940.0 | 1262.5 | -677.5 | 4.4 | 0.00 | 5.452 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 14:00:00 | 57 | 15400.0 | 1732.5 | 1265.62 | -466.88 | 3.03 | 0.00 | 5.452 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 14:15:00 | 58 | 15400.0 | 1912.5 | 758.38 | -1154.12 | 7.49 | 0.00 | 16.000 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 14:30:00 | 59 | 15400.0 | 1782.5 | 714.62 | -1067.88 | 6.93 | 0.00 | 6.035 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 14:45:00 | 60 | 15400.0 | 1822.5 | 711.5 | -1111.0 | 7.21 | 0.00 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Chavneshwar 132kV | 06/01/2020 15:00:00 | 61 | 15400.0 | 1932.5 | 777.12 | -1155.38 | 7.5 | 0.00 | 3.367 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 15:15:00 | 62 | 15400.0 | 1760.0 | 670.88 | -1089.12 | 7.07 | 0.00 | 3.904 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 15:30:00 | 63 | 15400.0 | 1955.0 | 561.5 | -1393.5 | 9.05 | 0.00 | 4.482 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 15:45:00 | 64 | 15400.0 | 1955.0 | 683.38 | -1271.62 | 8.26 | 0.00 | 4.225 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 16:00:00 | 65 | 15400.0 | 1937.5 | 539.62 | -1397.88 | 9.08 | 0.00 | 2.895 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 16:15:00 | 66 | 15400.0 | 1777.5 | 511.5 | -1266.0 | 8.22 | 0.00 | 6.089 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 16:30:00 | 67 | 15400.0 | 1832.5 | 380.25 | -1452.25 | 9.43 | 0.00 | -8.000 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 16:45:00 | 68 | 15400.0 | 1795.0 | 349.0 | -1446.0 | 9.39 | 0.00 | -4.178 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 17:00:00 | 69 | 15400.0 | 1835.0 | 386.5 | -1448.5 | 9.41 | 0.00 | 1.742 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 17:15:00 | 70 | 15400.0 | 1747.5 | 380.25 | -1367.25 | 8.88 | 0.00 | 2.903 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 17:30:00 | 71 | 15400.0 | 1805.0 | 386.5 | -1418.5 | 9.21 | 0.00 | -4.178 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 17:45:00 | 72 | 15400.0 | 1865.0 | 292.75 | -1572.25 | 10.21 | 0.00 | -2.323 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 18:00:00 | 73 | 15400.0 | 1795.0 | 208.38 | -1586.62 | 10.3 | 0.00 | -2.903 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 18:15:00 | 74 | 15400.0 | 1840.0 | 149.0 | -1691.0 | 10.98 | 0.00 | 1.161 | 439.760595 |
| Chavneshwar 132kV | 06/01/2020 18:30:00 | 75 | 15400.0 | 1960.0 | 89.62 | -1870.38 | 12.15 | 0.00 | 2.903 | 1593.065547 |
| Chavneshwar 132kV | 06/01/2020 18:45:00 | 76 | 15400.0 | 1855.0 | 52.12 | -1802.88 | 11.71 | 0.00 | 2.903 | 36.351868 |
| Chavneshwar 132kV | 06/01/2020 19:00:00 | 77 | 15400.0 | 1805.0 | 80.25 | -1724.75 | 11.2 | 0.00 | -1.161 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 19:15:00 | 78 | 15400.0 | 1940.0 | 211.5 | -1728.5 | 11.22 | 0.00 | -4.178 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 19:30:00 | 79 | 15400.0 | 1732.5 | 224.0 | -1508.5 | 9.8 | 0.00 | -2.323 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 19:45:00 | 80 | 15400.0 | 1912.5 | 186.5 | -1726.0 | 11.21 | 0.00 | -4.178 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 20:00:00 | 81 | 15400.0 | 1782.5 | 102.12 | -1680.38 | 10.91 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Chavneshwar 132kV | 06/01/2020 20:15:00 | 82 | 15400.0 | 1822.5 | 61.5 | -1761.0 | 11.44 | 0.00 | -5.770 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 20:30:00 | 83 | 15400.0 | 1932.5 | 67.75 | -1864.75 | 12.11 | 0.00 | 5.770 | 254.078108 |
| Chavneshwar 132kV | 06/01/2020 20:45:00 | 84 | 15400.0 | 1760.0 | 80.25 | -1679.75 | 10.91 | 0.00 | 4.178 | 694.666249 |
| Chavneshwar 132kV | 06/01/2020 21:00:00 | 85 | 15400.0 | 1955.0 | 111.5 | -1843.5 | 11.97 | 0.00 | 3.222 | 403.316232 |
| Chavneshwar 132kV | 06/01/2020 21:15:00 | 86 | 15400.0 | 1955.0 | 155.25 | -1799.75 | 11.69 | 0.00 | -1.742 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 21:30:00 | 87 | 15400.0 | 1937.5 | 139.62 | -1797.88 | 11.67 | 0.00 | 0.000 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 21:45:00 | 88 | 15400.0 | 1867.5 | 80.25 | -1787.25 | 11.61 | 0.00 | 1.161 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 22:00:00 | 89 | 15400.0 | 1877.5 | 89.62 | -1787.88 | 11.61 | 0.00 | 4.815 | 1046.852145 |
| Chavneshwar 132kV | 06/01/2020 22:15:00 | 90 | 15400.0 | 1852.5 | 83.38 | -1769.12 | 11.49 | 0.00 | 3.859 | 1068.727259 |
| Chavneshwar 132kV | 06/01/2020 22:30:00 | 91 | 15400.0 | 1865.0 | 39.62 | -1825.38 | 11.85 | 0.00 | 1.742 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 22:45:00 | 92 | 15400.0 | 1760.0 | -1.0 | -1761.0 | 11.44 | 0.00 | -2.323 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 23:00:00 | 93 | 15400.0 | 1950.0 | -1.0 | -1951.0 | 12.67 | 0.00 | -2.903 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 23:15:00 | 94 | 15400.0 | 1942.5 | -1.0 | -1943.5 | 12.62 | 0.00 | 2.323 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 23:30:00 | 95 | 15400.0 | 1940.0 | -1.0 | -1941.0 | 12.6 | 0.00 | -3.222 | 0.000000 |
| Chavneshwar 132kV | 06/01/2020 23:45:00 | 96 | 15400.0 | 1860.0 | 133.38 | -1726.62 | 11.21 | 0.00 | 2.323 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 00:00:00 | 1 | 15400.0 | 1840.0 | 368.75 | -1471.25 | 9.55 | 0.00 | -0.549 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 00:15:00 | 2 | 15400.0 | 1960.0 | 312.5 | -1647.5 | 10.7 | 0.00 | -1.647 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 00:30:00 | 3 | 15400.0 | 1855.0 | 431.25 | -1423.75 | 9.25 | 0.00 | -3.073 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 00:45:00 | 4 | 15400.0 | 1805.0 | 503.12 | -1301.88 | 8.45 | 0.00 | -2.744 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 01:00:00 | 5 | 15400.0 | 1940.0 | 546.88 | -1393.12 | 9.05 | 0.00 | -4.058 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 01:15:00 | 6 | 15400.0 | 1732.5 | 662.5 | -1070.0 | 6.95 | 0.00 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Chavneshwar 132kV | 07/01/2020 01:30:00 | 7 | 15400.0 | 1912.5 | 665.62 | -1246.88 | 8.1 | 0.00 | -3.401 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 01:45:00 | 8 | 15400.0 | 1782.5 | 653.12 | -1129.38 | 7.33 | 0.00 | 3.730 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 02:00:00 | 9 | 15400.0 | 1822.5 | 728.12 | -1094.38 | 7.11 | 0.00 | 3.073 | 238.254674 |
| Chavneshwar 132kV | 07/01/2020 02:15:00 | 10 | 15400.0 | 1932.5 | 753.12 | -1179.38 | 7.66 | 0.00 | 3.073 | 114.812260 |
| Chavneshwar 132kV | 07/01/2020 02:30:00 | 11 | 15400.0 | 1760.0 | 671.88 | -1088.12 | 7.07 | 0.00 | 3.401 | 148.160660 |
| Chavneshwar 132kV | 07/01/2020 02:45:00 | 12 | 15400.0 | 1955.0 | 621.88 | -1333.12 | 8.66 | 0.00 | 2.745 | 181.046152 |
| Chavneshwar 132kV | 07/01/2020 03:00:00 | 13 | 15400.0 | 1955.0 | 678.12 | -1276.88 | 8.29 | 0.00 | 1.647 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 03:15:00 | 14 | 15400.0 | 1937.5 | 621.88 | -1315.62 | 8.54 | 0.00 | 2.196 | 84.400551 |
| Chavneshwar 132kV | 07/01/2020 03:30:00 | 15 | 15400.0 | 1777.5 | 618.75 | -1158.75 | 7.52 | 0.00 | 1.647 | 98.900089 |
| Chavneshwar 132kV | 07/01/2020 03:45:00 | 16 | 15400.0 | 1832.5 | 525.0 | -1307.5 | 8.49 | 0.00 | 1.098 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 04:00:00 | 17 | 15400.0 | 1795.0 | 456.25 | -1338.75 | 8.69 | 0.00 | 1.647 | 490.250141 |
| Chavneshwar 132kV | 07/01/2020 04:15:00 | 18 | 15400.0 | 1835.0 | 468.75 | -1366.25 | 8.87 | 0.00 | 2.210 | 978.177728 |
| Chavneshwar 132kV | 07/01/2020 04:30:00 | 19 | 15400.0 | 1840.0 | 481.25 | -1358.75 | 8.82 | 0.00 | 3.730 | 1373.685085 |
| Chavneshwar 132kV | 07/01/2020 04:45:00 | 20 | 15400.0 | 1960.0 | 475.0 | -1485.0 | 9.64 | 0.00 | -1.098 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 05:00:00 | 21 | 15400.0 | 1855.0 | 509.38 | -1345.62 | 8.74 | 0.00 | -2.744 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 05:15:00 | 22 | 15400.0 | 1805.0 | 478.12 | -1326.88 | 8.62 | 0.00 | 3.730 | 681.642726 |
| Chavneshwar 132kV | 07/01/2020 05:30:00 | 23 | 15400.0 | 1940.0 | 596.88 | -1343.12 | 8.72 | 0.00 | 3.073 | 1550.095130 |
| Chavneshwar 132kV | 07/01/2020 05:45:00 | 24 | 15400.0 | 1732.5 | 484.38 | -1248.12 | 8.1 | 0.00 | 3.730 | 1119.014542 |
| Chavneshwar 132kV | 07/01/2020 06:00:00 | 25 | 15400.0 | 1912.5 | 468.75 | -1443.75 | 9.38 | 0.00 | -5.372 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 06:15:00 | 26 | 15400.0 | 1782.5 | 528.12 | -1254.38 | 8.15 | 0.00 | 4.556 | 4179.716711 |
| Chavneshwar 132kV | 07/01/2020 06:30:00 | 27 | 15400.0 | 1822.5 | 453.12 | -1369.38 | 8.89 | 0.00 | 7.148 | 7900.211976 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Chavneshwar 132kV | 07/01/2020 06:45:00 | 28 | 15400.0 | 1932.5 | 581.25 | -1351.25 | 8.77 | 0.00 | 7.821 | 7148.401134 |
| Chavneshwar 132kV | 07/01/2020 07:00:00 | 29 | 15400.0 | 1760.0 | 715.62 | -1044.38 | 6.78 | 0.00 | 5.372 | 2775.385098 |
| Chavneshwar 132kV | 07/01/2020 07:15:00 | 30 | 15400.0 | 1955.0 | 656.25 | -1298.75 | 8.43 | 0.00 | 16.000 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 07:30:00 | 31 | 15400.0 | 1955.0 | 646.88 | -1308.12 | 8.49 | 0.00 | 9.296 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 07:45:00 | 32 | 15400.0 | 1937.5 | 700.0 | -1237.5 | 8.04 | 0.00 | 9.794 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 08:00:00 | 33 | 15400.0 | 1777.5 | 1040.62 | -736.88 | 4.78 | 0.00 | 3.593 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 08:15:00 | 34 | 15400.0 | 1832.5 | 1050.0 | -782.5 | 5.08 | 0.00 | 3.401 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 08:30:00 | 35 | 15400.0 | 1795.0 | 1078.12 | -716.88 | 4.66 | 0.00 | 3.245 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 08:45:00 | 36 | 15400.0 | 1835.0 | 1421.88 | -413.12 | 2.68 | 0.00 | 0.000 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 09:00:00 | 37 | 15400.0 | 1840.0 | 1596.88 | -243.12 | 1.58 | 0.00 | 2.745 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 09:15:00 | 38 | 15400.0 | 1960.0 | 1921.88 | -38.12 | 0.25 | 0.00 | 4.715 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 09:30:00 | 39 | 15400.0 | 1855.0 | 2081.25 | 226.25 | 1.47 | 0.00 | 3.981 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 09:45:00 | 40 | 15400.0 | 1805.0 | 1784.38 | -20.62 | 0.13 | 0.00 | 3.730 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 10:00:00 | 41 | 15400.0 | 1940.0 | 1390.62 | -549.38 | 3.57 | 0.00 | 1.780 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 10:15:00 | 42 | 15400.0 | 1732.5 | 1203.12 | -529.38 | 3.44 | 0.00 | 5.643 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 10:30:00 | 43 | 15400.0 | 2237.5 | 1171.88 | -1065.62 | 6.92 | 0.00 | 4.976 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 10:45:00 | 44 | 15400.0 | 2107.5 | 1171.88 | -935.62 | 6.08 | 0.00 | 4.415 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 11:00:00 | 45 | 15400.0 | 2147.5 | 1071.88 | -1075.62 | 6.98 | 0.00 | 4.476 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 11:15:00 | 46 | 15400.0 | 2257.5 | 853.12 | -1404.38 | 9.12 | 0.00 | 4.826 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 11:30:00 | 47 | 15400.0 | 2085.0 | 778.12 | -1306.88 | 8.49 | 0.00 | 2.289 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 11:45:00 | 48 | 15400.0 | 2280.0 | 778.12 | -1501.88 | 9.75 | 0.00 | -0.549 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Chavneshwar 132kV | 07/01/2020 12:00:00 | 49 | 15400.0 | 2280.0 | 659.38 | -1620.62 | 10.52 | 0.00 | 4.727 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 12:15:00 | 50 | 15400.0 | 2262.5 | 537.5 | -1725.0 | 11.2 | 0.00 | 4.777 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 12:30:00 | 51 | 15400.0 | 2102.5 | 587.5 | -1515.0 | 9.84 | 0.00 | 4.798 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 12:45:00 | 52 | 15400.0 | 2157.5 | 640.62 | -1516.88 | 9.85 | 0.00 | -3.401 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 13:00:00 | 53 | 15400.0 | 2120.0 | 534.38 | -1585.62 | 10.3 | 0.00 | -2.431 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 13:15:00 | 54 | 15400.0 | 2160.0 | 615.62 | -1544.38 | 10.03 | 0.00 | -4.387 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 13:30:00 | 55 | 15400.0 | 2130.0 | 993.75 | -1136.25 | 7.38 | 0.00 | -3.401 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 13:45:00 | 56 | 15400.0 | 2265.0 | 1215.62 | -1049.38 | 6.81 | 0.00 | -5.044 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 14:00:00 | 57 | 15400.0 | 2057.5 | 1490.62 | -566.88 | 3.68 | 0.00 | 4.215 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 14:15:00 | 58 | 15400.0 | 2237.5 | 1440.62 | -796.88 | 5.17 | 0.00 | 9.552 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 14:30:00 | 59 | 15400.0 | 2107.5 | 1237.5 | -870.0 | 5.65 | 0.00 | 6.358 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 14:45:00 | 60 | 15400.0 | 2147.5 | 1053.12 | -1094.38 | 7.11 | 0.00 | 2.744 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 15:00:00 | 61 | 15400.0 | 2257.5 | 993.75 | -1263.75 | 8.21 | 0.00 | -3.073 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 15:15:00 | 62 | 15400.0 | 2085.0 | 968.75 | -1116.25 | 7.25 | 0.00 | -4.058 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 15:30:00 | 63 | 15400.0 | 2280.0 | 1000.0 | -1280.0 | 8.31 | 0.00 | -4.831 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 15:45:00 | 64 | 15400.0 | 2280.0 | 837.5 | -1442.5 | 9.37 | 0.00 | -5.372 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 16:00:00 | 65 | 15400.0 | 2262.5 | 762.5 | -1500.0 | 9.74 | 0.00 | 2.196 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 16:15:00 | 66 | 15400.0 | 2102.5 | 743.75 | -1358.75 | 8.82 | 0.00 | -3.401 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 16:30:00 | 67 | 15400.0 | 2157.5 | 525.0 | -1632.5 | 10.6 | 0.00 | 4.738 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 16:45:00 | 68 | 15400.0 | 2120.0 | 425.0 | -1695.0 | 11.01 | 0.00 | 7.343 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 17:00:00 | 69 | 15400.0 | 2160.0 | 203.12 | -1956.88 | 12.71 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Chavneshwar 132kV | 07/01/2020 17:15:00 | 70 | 15400.0 | 2072.5 | 106.25 | -1966.25 | 12.77 | 0.00 | 2.744 | 327.078082 |
| Chavneshwar 132kV | 07/01/2020 17:30:00 | 71 | 15400.0 | 2130.0 | 28.12 | -2101.88 | 13.65 | 0.00 | 3.401 | 138.785950 |
| Chavneshwar 132kV | 07/01/2020 17:45:00 | 72 | 15400.0 | 2190.0 | 0.0 | -2190.0 | 14.22 | 0.00 | -2.745 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 18:00:00 | 73 | 15400.0 | 2120.0 | 0.0 | -2120.0 | 13.77 | 0.00 | -3.073 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 18:15:00 | 74 | 15400.0 | 2165.0 | 12.5 | -2152.5 | 13.98 | 0.00 | -5.372 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 18:30:00 | 75 | 15400.0 | 2285.0 | 278.12 | -2006.88 | 13.03 | 0.00 | 3.401 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 18:45:00 | 76 | 15400.0 | 2180.0 | 543.75 | -1636.25 | 10.62 | 0.00 | -3.401 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 19:00:00 | 77 | 15400.0 | 2130.0 | 521.88 | -1608.12 | 10.44 | 0.00 | -3.730 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 19:15:00 | 78 | 15400.0 | 2265.0 | 465.62 | -1799.38 | 11.68 | 0.00 | -4.715 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 19:30:00 | 79 | 15400.0 | 2057.5 | 600.0 | -1457.5 | 9.46 | 0.00 | -4.058 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 19:45:00 | 80 | 15400.0 | 2237.5 | 790.62 | -1446.88 | 9.4 | 0.00 | -2.210 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 20:00:00 | 81 | 15400.0 | 2107.5 | 984.38 | -1123.12 | 7.29 | 0.00 | -2.348 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 20:15:00 | 82 | 15400.0 | 2147.5 | 931.25 | -1216.25 | 7.9 | 0.00 | 4.387 | 1898.143058 |
| Chavneshwar 132kV | 07/01/2020 20:30:00 | 83 | 15400.0 | 2257.5 | 906.25 | -1351.25 | 8.77 | 0.00 | 3.816 | 2757.480993 |
| Chavneshwar 132kV | 07/01/2020 20:45:00 | 84 | 15400.0 | 2085.0 | 878.12 | -1206.88 | 7.84 | 0.00 | 3.401 | 592.983643 |
| Chavneshwar 132kV | 07/01/2020 21:00:00 | 85 | 15400.0 | 2280.0 | 837.5 | -1442.5 | 9.37 | 0.00 | -4.058 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 21:15:00 | 86 | 15400.0 | 2280.0 | 684.38 | -1595.62 | 10.36 | 0.00 | 1.647 | 845.734629 |
| Chavneshwar 132kV | 07/01/2020 21:30:00 | 87 | 15400.0 | 2262.5 | 543.75 | -1718.75 | 11.16 | 0.00 | 2.196 | 548.081905 |
| Chavneshwar 132kV | 07/01/2020 21:45:00 | 88 | 15400.0 | 2192.5 | 525.0 | -1667.5 | 10.83 | 0.00 | -2.196 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 22:00:00 | 89 | 15400.0 | 2202.5 | 396.88 | -1805.62 | 11.72 | 0.00 | -3.257 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 22:15:00 | 90 | 15400.0 | 2177.5 | 353.12 | -1824.38 | 11.85 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Chavneshwar 132kV | 07/01/2020 22:30:00 | 91 | 15400.0 | 2190.0 | 353.12 | -1836.88 | 11.93 | 0.00 | -1.098 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 22:45:00 | 92 | 15400.0 | 2085.0 | 471.88 | -1613.12 | 10.47 | 0.00 | -1.647 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 23:00:00 | 93 | 15400.0 | 2275.0 | 540.62 | -1734.38 | 11.26 | 0.00 | -3.401 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 23:15:00 | 94 | 15400.0 | 2267.5 | 490.62 | -1776.88 | 11.54 | 0.00 | 1.647 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 23:30:00 | 95 | 15400.0 | 2265.0 | 475.0 | -1790.0 | 11.62 | 0.00 | -2.196 | 0.000000 |
| Chavneshwar 132kV | 07/01/2020 23:45:00 | 96 | 15400.0 | 2185.0 | 500.0 | -1685.0 | 10.94 | 0.00 | -0.549 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 00:00:00 | 1 | 15400.0 | 1840.0 | 384.38 | -1455.62 | 9.45 | 0.00 | -2.220 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 00:15:00 | 2 | 15400.0 | 1960.0 | 162.5 | -1797.5 | 11.67 | 0.00 | -3.101 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 00:30:00 | 3 | 15400.0 | 1855.0 | 118.75 | -1736.25 | 11.27 | 0.00 | -3.101 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 00:45:00 | 4 | 15400.0 | 1805.0 | 228.12 | -1576.88 | 10.24 | 0.00 | -2.424 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 01:00:00 | 5 | 15400.0 | 1940.0 | 290.62 | -1649.38 | 10.71 | 0.00 | -2.170 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 01:15:00 | 6 | 15400.0 | 1887.5 | 146.88 | -1740.62 | 11.3 | 0.00 | -1.761 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 01:30:00 | 7 | 15400.0 | 1912.5 | 112.5 | -1800.0 | 11.69 | 0.00 | -1.665 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 01:45:00 | 8 | 15400.0 | 1782.5 | 112.5 | -1670.0 | 10.84 | 0.00 | -1.665 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 02:00:00 | 9 | 15400.0 | 1822.5 | 37.5 | -1785.0 | 11.59 | 0.00 | -1.110 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 02:15:00 | 10 | 15400.0 | 1932.5 | 59.38 | -1873.12 | 12.16 | 0.00 | -1.347 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 02:30:00 | 11 | 15400.0 | 1760.0 | 128.12 | -1631.88 | 10.6 | 0.00 | -3.101 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 02:45:00 | 12 | 15400.0 | 1955.0 | 209.38 | -1745.62 | 11.34 | 0.00 | -2.220 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 03:00:00 | 13 | 15400.0 | 1955.0 | 178.12 | -1776.88 | 11.54 | 0.00 | -3.428 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 03:15:00 | 14 | 15400.0 | 1937.5 | 212.5 | -1725.0 | 11.2 | 0.00 | -2.220 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 03:30:00 | 15 | 15400.0 | 1777.5 | 384.38 | -1393.12 | 9.05 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Chavneshwar 132kV | 08/01/2020 03:45:00 | 16 | 15400.0 | 1832.5 | 368.75 | -1463.75 | 9.5 | 0.00 | -2.775 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 04:00:00 | 17 | 15400.0 | 1795.0 | 312.5 | -1482.5 | 9.63 | 0.00 | -3.101 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 04:15:00 | 18 | 15400.0 | 1835.0 | 303.12 | -1531.88 | 9.95 | 0.00 | -1.665 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 04:30:00 | 19 | 15400.0 | 1840.0 | 356.25 | -1483.75 | 9.63 | 0.00 | -2.220 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 04:45:00 | 20 | 15400.0 | 1960.0 | 328.12 | -1631.88 | 10.6 | 0.00 | -2.775 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 05:00:00 | 21 | 15400.0 | 1855.0 | 390.62 | -1464.38 | 9.51 | 0.00 | -1.110 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 05:15:00 | 22 | 15400.0 | 1805.0 | 334.38 | -1470.62 | 9.55 | 0.00 | 2.775 | 70.866320 |
| Chavneshwar 132kV | 08/01/2020 05:30:00 | 23 | 15400.0 | 1940.0 | 309.38 | -1630.62 | 10.59 | 0.00 | -3.428 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 05:45:00 | 24 | 15400.0 | 1732.5 | 381.25 | -1351.25 | 8.77 | 0.00 | -2.775 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 06:00:00 | 25 | 15400.0 | 1912.5 | 378.12 | -1534.38 | 9.96 | 0.00 | -2.220 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 06:15:00 | 26 | 15400.0 | 1782.5 | 440.62 | -1341.88 | 8.71 | 0.00 | 2.220 | 274.743132 |
| Chavneshwar 132kV | 08/01/2020 06:30:00 | 27 | 15400.0 | 1822.5 | 600.0 | -1222.5 | 7.94 | 0.00 | 5.387 | 2200.453860 |
| Chavneshwar 132kV | 08/01/2020 06:45:00 | 28 | 15400.0 | 1932.5 | 550.0 | -1382.5 | 8.98 | 0.00 | -4.734 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 07:00:00 | 29 | 15400.0 | 1760.0 | 525.0 | -1235.0 | 8.02 | 0.00 | -4.407 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 07:15:00 | 30 | 15400.0 | 1955.0 | 440.62 | -1514.38 | 9.83 | 0.00 | 5.061 | 2669.221381 |
| Chavneshwar 132kV | 08/01/2020 07:30:00 | 31 | 15400.0 | 1955.0 | 440.62 | -1514.38 | 9.83 | 0.00 | 5.714 | 2554.002229 |
| Chavneshwar 132kV | 08/01/2020 07:45:00 | 32 | 15400.0 | 1937.5 | 471.88 | -1465.62 | 9.52 | 0.00 | 5.061 | 971.756477 |
| Chavneshwar 132kV | 08/01/2020 08:00:00 | 33 | 15400.0 | 1777.5 | 484.38 | -1293.12 | 8.4 | 0.00 | 2.775 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 08:15:00 | 34 | 15400.0 | 1832.5 | 559.38 | -1273.12 | 8.27 | 0.00 | 2.775 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 08:30:00 | 35 | 15400.0 | 1795.0 | 565.62 | -1229.38 | 7.98 | 0.00 | 5.387 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 08:45:00 | 36 | 15400.0 | 1835.0 | 493.75 | -1341.25 | 8.71 | 0.00 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Chavneshwar 132kV | 08/01/2020 09:00:00 | 37 | 15400.0 | 1765.0 | 440.62 | -1324.38 | 8.6 | 0.00 | 7.673 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 09:15:00 | 38 | 15400.0 | 1885.0 | 553.12 | -1331.88 | 8.65 | 0.00 | 7.673 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 09:30:00 | 39 | 15400.0 | 1780.0 | 453.12 | -1326.88 | 8.62 | 0.00 | 3.101 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 09:45:00 | 40 | 15400.0 | 1730.0 | 581.25 | -1148.75 | 7.46 | 0.00 | -3.101 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 10:00:00 | 41 | 15400.0 | 1865.0 | 725.0 | -1140.0 | 7.4 | 0.00 | -3.101 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 10:15:00 | 42 | 15400.0 | 1657.5 | 825.0 | -832.5 | 5.41 | 0.00 | -3.101 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 10:30:00 | 43 | 15400.0 | 1812.5 | 809.38 | -1003.12 | 6.51 | 0.00 | -1.665 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 10:45:00 | 44 | 15400.0 | 1682.5 | 775.0 | -907.5 | 5.89 | 0.00 | 0.000 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 11:00:00 | 45 | 15400.0 | 1722.5 | 1059.38 | -663.12 | 4.31 | 0.00 | -1.486 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 11:15:00 | 46 | 15400.0 | 1832.5 | 1384.38 | -448.12 | 2.91 | 0.00 | -1.305 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 11:30:00 | 47 | 15400.0 | 1660.0 | 1475.0 | -185.0 | 1.2 | 0.00 | -2.425 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 11:45:00 | 48 | 15400.0 | 1855.0 | 1453.12 | -401.88 | 2.61 | 0.00 | -2.775 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 12:00:00 | 49 | 15400.0 | 1855.0 | 1737.5 | -117.5 | 0.76 | 0.00 | -2.083 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 12:15:00 | 50 | 15400.0 | 1837.5 | 1618.75 | -218.75 | 1.42 | 0.00 | -3.242 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 12:30:00 | 51 | 15400.0 | 1677.5 | 1543.75 | -133.75 | 0.87 | 0.00 | -1.330 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 12:45:00 | 52 | 15400.0 | 1732.5 | 1553.12 | -179.38 | 1.16 | 0.00 | -0.830 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 13:00:00 | 53 | 15400.0 | 1695.0 | 1775.0 | 80.0 | 0.52 | 0.00 | 2.775 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 13:15:00 | 54 | 15400.0 | 1735.0 | 2253.12 | 518.12 | 3.36 | 0.00 | 0.000 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 13:30:00 | 55 | 15400.0 | 1955.0 | 3446.88 | 1491.88 | 9.69 | 0.00 | -1.012 | -130.272208 |
| Chavneshwar 132kV | 08/01/2020 13:45:00 | 56 | 15400.0 | 2090.0 | 3653.12 | 1563.12 | 10.15 | 0.00 | -1.087 | -157.627322 |
| Chavneshwar 132kV | 08/01/2020 14:00:00 | 57 | 15400.0 | 1882.5 | 3631.25 | 1748.75 | 11.36 | 0.00 | -3.101 | -512.253952 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Chavneshwar 132kV | 08/01/2020 14:15:00 | 58 | 15400.0 | 2062.5 | 3859.38 | 1796.88 | 11.67 | 0.00 | -4.081 | -380.453063 |
| Chavneshwar 132kV | 08/01/2020 14:30:00 | 59 | 15400.0 | 1932.5 | 4337.5 | 2405.0 | 15.62 | 47.50 | -2.996 | -972.988320 |
| Chavneshwar 132kV | 08/01/2020 14:45:00 | 60 | 15400.0 | 1972.5 | 3868.75 | 1896.25 | 12.31 | 0.00 | -3.101 | -287.742119 |
| Chavneshwar 132kV | 08/01/2020 15:00:00 | 61 | 15400.0 | 2082.5 | 3503.12 | 1420.62 | 9.22 | 0.00 | -1.879 | -356.883782 |
| Chavneshwar 132kV | 08/01/2020 15:15:00 | 62 | 15400.0 | 1910.0 | 3396.88 | 1486.88 | 9.66 | 0.00 | -4.081 | -52.303183 |
| Chavneshwar 132kV | 08/01/2020 15:30:00 | 63 | 15400.0 | 2105.0 | 3040.62 | 935.62 | 6.08 | 0.00 | 4.938 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 15:45:00 | 64 | 15400.0 | 2105.0 | 2825.0 | 720.0 | 4.68 | 0.00 | 4.719 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 16:00:00 | 65 | 15400.0 | 3530.0 | 2653.12 | -876.88 | 5.69 | 0.00 | 0.555 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 16:15:00 | 66 | 15400.0 | 3495.0 | 2500.0 | -995.0 | 6.46 | 0.00 | -4.081 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 16:30:00 | 67 | 15400.0 | 3445.0 | 2196.88 | -1248.12 | 8.1 | 0.00 | -3.754 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 16:45:00 | 68 | 15400.0 | 3335.0 | 2078.12 | -1256.88 | 8.16 | 0.00 | -8.000 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 17:00:00 | 69 | 15400.0 | 3135.0 | 2003.12 | -1131.88 | 7.35 | 0.00 | 0.000 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 17:15:00 | 70 | 15400.0 | 2952.5 | 1931.25 | -1021.25 | 6.63 | 0.00 | 4.081 | 195.901681 |
| Chavneshwar 132kV | 08/01/2020 17:30:00 | 71 | 15400.0 | 2730.0 | 1731.25 | -998.75 | 6.49 | 0.00 | -5.387 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 17:45:00 | 72 | 15400.0 | 2452.5 | 1287.5 | -1165.0 | 7.56 | 0.00 | -3.101 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 18:00:00 | 73 | 15400.0 | 2830.0 | 1218.75 | -1611.25 | 10.46 | 0.00 | -2.775 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 18:15:00 | 74 | 15400.0 | 2777.5 | 1193.75 | -1583.75 | 10.28 | 0.00 | -3.101 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 18:30:00 | 75 | 15400.0 | 2552.5 | 1275.0 | -1277.5 | 8.3 | 0.00 | -2.220 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 18:45:00 | 76 | 15400.0 | 2552.5 | 1284.38 | -1268.12 | 8.23 | 0.00 | 2.220 | 999.626740 |
| Chavneshwar 132kV | 08/01/2020 19:00:00 | 77 | 15400.0 | 2412.5 | 1318.75 | -1093.75 | 7.1 | 0.00 | 1.110 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 19:15:00 | 78 | 15400.0 | 2460.0 | 1190.62 | -1269.38 | 8.24 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Chavneshwar 132kV | 08/01/2020 19:30:00 | 79 | 15400.0 | 2137.5 | 1056.25 | -1081.25 | 7.02 | 0.00 | -2.220 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 19:45:00 | 80 | 15400.0 | 2062.5 | 996.88 | -1065.62 | 6.92 | 0.00 | -0.555 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 20:00:00 | 81 | 15400.0 | 1932.5 | 818.75 | -1113.75 | 7.23 | 0.00 | 2.775 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 20:15:00 | 82 | 15400.0 | 1972.5 | 875.0 | -1097.5 | 7.13 | 0.00 | 3.101 | 1835.109402 |
| Chavneshwar 132kV | 08/01/2020 20:30:00 | 83 | 15400.0 | 2082.5 | 925.0 | -1157.5 | 7.52 | 0.00 | 4.408 | 2621.979178 |
| Chavneshwar 132kV | 08/01/2020 20:45:00 | 84 | 15400.0 | 1910.0 | 1153.12 | -756.88 | 4.91 | 0.00 | 3.101 | 495.302194 |
| Chavneshwar 132kV | 08/01/2020 21:00:00 | 85 | 15400.0 | 2105.0 | 1337.5 | -767.5 | 4.98 | 0.00 | 3.101 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 21:15:00 | 86 | 15400.0 | 2105.0 | 1353.12 | -751.88 | 4.88 | 0.00 | -0.555 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 21:30:00 | 87 | 15400.0 | 2087.5 | 1196.88 | -890.62 | 5.78 | 0.00 | -1.110 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 21:45:00 | 88 | 15400.0 | 2017.5 | 1153.12 | -864.38 | 5.61 | 0.00 | -1.110 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 22:00:00 | 89 | 15400.0 | 2027.5 | 1243.75 | -783.75 | 5.09 | 0.00 | -2.489 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 22:15:00 | 90 | 15400.0 | 2002.5 | 1393.75 | -608.75 | 3.95 | 0.00 | -2.775 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 22:30:00 | 91 | 15400.0 | 2015.0 | 1440.62 | -574.38 | 3.73 | 0.00 | -2.223 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 22:45:00 | 92 | 15400.0 | 1910.0 | 1456.25 | -453.75 | 2.95 | 0.00 | 1.110 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 23:00:00 | 93 | 15400.0 | 2100.0 | 1425.0 | -675.0 | 4.38 | 0.00 | 1.110 | 72.063681 |
| Chavneshwar 132kV | 08/01/2020 23:15:00 | 94 | 15400.0 | 2092.5 | 1334.38 | -758.12 | 4.92 | 0.00 | 1.110 | 0.000000 |
| Chavneshwar 132kV | 08/01/2020 23:30:00 | 95 | 15400.0 | 2090.0 | 1390.62 | -699.38 | 4.54 | 0.00 | 2.775 | 6.357727 |
| Chavneshwar 132kV | 08/01/2020 23:45:00 | 96 | 15400.0 | 2010.0 | 1196.88 | -813.12 | 5.28 | 0.00 | 0.000 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 00:00:00 | 1 | 15400.0 | 1965.0 | 1150.0 | -815.0 | 5.29 | 0.00 | -0.576 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 00:15:00 | 2 | 15400.0 | 2085.0 | 1128.12 | -956.88 | 6.21 | 0.00 | -1.727 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 00:30:00 | 3 | 15400.0 | 1980.0 | 1178.12 | -801.88 | 5.21 | 0.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Chavneshwar 132kV | 09/01/2020 00:45:00 | 4 | 15400.0 | 1930.0 | 1265.62 | -664.38 | 4.31 | 0.00 | -2.879 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 01:00:00 | 5 | 15400.0 | 2065.0 | 1278.12 | -786.88 | 5.11 | 0.00 | -3.519 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 01:15:00 | 6 | 15400.0 | 2012.5 | 1268.75 | -743.75 | 4.83 | 0.00 | -3.519 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 01:30:00 | 7 | 15400.0 | 2037.5 | 1262.5 | -775.0 | 5.03 | 0.00 | -3.199 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 01:45:00 | 8 | 15400.0 | 1907.5 | 1078.12 | -829.38 | 5.39 | 0.00 | 3.519 | 201.528981 |
| Chavneshwar 132kV | 09/01/2020 02:00:00 | 9 | 15400.0 | 1947.5 | 871.88 | -1075.62 | 6.98 | 0.00 | 3.519 | 1184.158539 |
| Chavneshwar 132kV | 09/01/2020 02:15:00 | 10 | 15400.0 | 2057.5 | 868.75 | -1188.75 | 7.72 | 0.00 | 2.879 | 573.972880 |
| Chavneshwar 132kV | 09/01/2020 02:30:00 | 11 | 15400.0 | 1885.0 | 928.12 | -956.88 | 6.21 | 0.00 | 3.199 | 664.732296 |
| Chavneshwar 132kV | 09/01/2020 02:45:00 | 12 | 15400.0 | 1955.0 | 1006.25 | -948.75 | 6.16 | 0.00 | 1.152 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 03:00:00 | 13 | 15400.0 | 1955.0 | 1050.0 | -905.0 | 5.88 | 0.00 | -2.879 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 03:15:00 | 14 | 15400.0 | 1937.5 | 1028.12 | -909.38 | 5.91 | 0.00 | -3.839 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 03:30:00 | 15 | 15400.0 | 1777.5 | 971.88 | -805.62 | 5.23 | 0.00 | 3.199 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 03:45:00 | 16 | 15400.0 | 1832.5 | 1028.12 | -804.38 | 5.22 | 0.00 | 0.000 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 04:00:00 | 17 | 15400.0 | 1795.0 | 834.38 | -960.62 | 6.24 | 0.00 | 1.727 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 04:15:00 | 18 | 15400.0 | 1835.0 | 687.5 | -1147.5 | 7.45 | 0.00 | 1.727 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 04:30:00 | 19 | 15400.0 | 1840.0 | 525.0 | -1315.0 | 8.54 | 0.00 | 1.727 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 04:45:00 | 20 | 15400.0 | 1960.0 | 403.12 | -1556.88 | 10.11 | 0.00 | 2.879 | 1341.734787 |
| Chavneshwar 132kV | 09/01/2020 05:00:00 | 21 | 15400.0 | 1855.0 | 268.75 | -1586.25 | 10.3 | 0.00 | 3.839 | 791.822221 |
| Chavneshwar 132kV | 09/01/2020 05:15:00 | 22 | 15400.0 | 1805.0 | 150.0 | -1655.0 | 10.75 | 0.00 | 5.119 | 2336.037084 |
| Chavneshwar 132kV | 09/01/2020 05:30:00 | 23 | 15400.0 | 1940.0 | 90.62 | -1849.38 | 12.01 | 0.00 | 4.064 | 4757.352377 |
| Chavneshwar 132kV | 09/01/2020 05:45:00 | 24 | 15400.0 | 1937.5 | 46.88 | -1890.62 | 12.28 | 0.00 | 1.152 | 13.338025 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Chavneshwar 132kV | 09/01/2020 06:00:00 | 25 | 15400.0 | 1912.5 | 15.62 | -1896.88 | 12.32 | 0.00 | -2.303 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 06:15:00 | 26 | 15400.0 | 1782.5 | 15.62 | -1766.88 | 11.47 | 0.00 | 2.303 | 1175.238630 |
| Chavneshwar 132kV | 09/01/2020 06:30:00 | 27 | 15400.0 | 1822.5 | 6.25 | -1816.25 | 11.79 | 0.00 | -3.839 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 06:45:00 | 28 | 15400.0 | 1932.5 | 12.5 | -1920.0 | 12.47 | 0.00 | -2.879 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 07:00:00 | 29 | 15400.0 | 1760.0 | 43.75 | -1716.25 | 11.14 | 0.00 | -2.879 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 07:15:00 | 30 | 15400.0 | 1955.0 | 68.75 | -1886.25 | 12.25 | 0.00 | 6.400 | 938.422070 |
| Chavneshwar 132kV | 09/01/2020 07:30:00 | 31 | 15400.0 | 1955.0 | 65.62 | -1889.38 | 12.27 | 0.00 | 1.172 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 07:45:00 | 32 | 15400.0 | 1937.5 | 25.0 | -1912.5 | 12.42 | 0.00 | 0.576 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 08:00:00 | 33 | 15400.0 | 1777.5 | 134.38 | -1643.12 | 10.67 | 0.00 | -0.576 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 08:15:00 | 34 | 15400.0 | 1832.5 | 340.62 | -1491.88 | 9.69 | 0.00 | -1.152 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 08:30:00 | 35 | 15400.0 | 1795.0 | 543.75 | -1251.25 | 8.12 | 0.00 | 0.576 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 08:45:00 | 36 | 15400.0 | 1835.0 | 462.5 | -1372.5 | 8.91 | 0.00 | 0.000 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 09:00:00 | 37 | 15400.0 | 1840.0 | 509.38 | -1330.62 | 8.64 | 0.00 | 1.152 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 09:15:00 | 38 | 15400.0 | 1960.0 | 503.12 | -1456.88 | 9.46 | 0.00 | 1.727 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 09:30:00 | 39 | 15400.0 | 1855.0 | 531.25 | -1323.75 | 8.6 | 0.00 | -3.839 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 09:45:00 | 40 | 15400.0 | 1805.0 | 600.0 | -1205.0 | 7.82 | 0.00 | -1.152 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 10:00:00 | 41 | 15400.0 | 1940.0 | 609.38 | -1330.62 | 8.64 | 0.00 | 0.000 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 10:15:00 | 42 | 15400.0 | 1945.0 | 581.25 | -1363.75 | 8.86 | 0.00 | 1.727 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 10:30:00 | 43 | 15400.0 | 1840.0 | 487.5 | -1352.5 | 8.78 | 0.00 | 2.303 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 10:45:00 | 44 | 15400.0 | 1960.0 | 456.25 | -1503.75 | 9.76 | 0.00 | -1.144 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 11:00:00 | 45 | 15400.0 | 1855.0 | 375.0 | -1480.0 | 9.61 | 0.00 | -4.479 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Chavneshwar 132kV | 09/01/2020 11:15:00 | 46 | 15400.0 | 1805.0 | 409.38 | -1395.62 | 9.06 | 0.00 | -3.519 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 11:30:00 | 47 | 15400.0 | 1940.0 | 356.25 | -1583.75 | 10.28 | 0.00 | -2.303 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 11:45:00 | 48 | 15400.0 | 1887.5 | 221.88 | -1665.62 | 10.82 | 0.00 | -0.576 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 12:00:00 | 49 | 15400.0 | 1912.5 | 93.75 | -1818.75 | 11.81 | 0.00 | 0.000 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 12:15:00 | 50 | 15400.0 | 1782.5 | 28.12 | -1754.38 | 11.39 | 0.00 | 3.839 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 12:30:00 | 51 | 15400.0 | 1822.5 | 6.25 | -1816.25 | 11.79 | 0.00 | 3.199 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 12:45:00 | 52 | 15400.0 | 1932.5 | 6.25 | -1926.25 | 12.51 | 0.00 | 3.199 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 13:00:00 | 53 | 15400.0 | 1760.0 | 12.5 | -1747.5 | 11.35 | 0.00 | -1.152 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 13:15:00 | 54 | 15400.0 | 1955.0 | 59.38 | -1895.62 | 12.31 | 0.00 | -1.152 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 13:30:00 | 55 | 15400.0 | 1955.0 | 171.88 | -1783.12 | 11.58 | 0.00 | 1.727 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 13:45:00 | 56 | 15400.0 | 1937.5 | 250.0 | -1687.5 | 10.96 | 0.00 | 3.199 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 14:00:00 | 57 | 15400.0 | 1777.5 | 340.62 | -1436.88 | 9.33 | 0.00 | 4.345 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 14:15:00 | 58 | 15400.0 | 1832.5 | 365.62 | -1466.88 | 9.53 | 0.00 | 3.941 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 14:30:00 | 59 | 15400.0 | 1795.0 | 340.62 | -1454.38 | 9.44 | 0.00 | 1.152 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 14:45:00 | 60 | 15400.0 | 1835.0 | 318.75 | -1516.25 | 9.85 | 0.00 | -0.576 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 15:00:00 | 61 | 15400.0 | 1840.0 | 296.88 | -1543.12 | 10.02 | 0.00 | -1.006 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 15:15:00 | 62 | 15400.0 | 1960.0 | 275.0 | -1685.0 | 10.94 | 0.00 | 3.199 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 15:30:00 | 63 | 15400.0 | 1855.0 | 181.25 | -1673.75 | 10.87 | 0.00 | 2.879 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 15:45:00 | 64 | 15400.0 | 1805.0 | 125.0 | -1680.0 | 10.91 | 0.00 | 3.839 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 16:00:00 | 65 | 15400.0 | 1940.0 | 112.5 | -1827.5 | 11.87 | 0.00 | 1.727 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 16:15:00 | 66 | 15400.0 | 1732.5 | 118.75 | -1613.75 | 10.48 | 0.00 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Chavneshwar 132kV | 09/01/2020 16:30:00 | 67 | 15400.0 | 1912.5 | 18.75 | -1893.75 | 12.3 | 0.00 | -4.159 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 16:45:00 | 68 | 15400.0 | 1782.5 | 15.62 | -1766.88 | 11.47 | 0.00 | 3.839 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 17:00:00 | 69 | 15400.0 | 1822.5 | 15.62 | -1806.88 | 11.73 | 0.00 | 1.727 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 17:15:00 | 70 | 15400.0 | 1932.5 | 0.0 | -1932.5 | 12.55 | 0.00 | 3.839 | 664.230723 |
| Chavneshwar 132kV | 09/01/2020 17:30:00 | 71 | 15400.0 | 1760.0 | 0.0 | -1760.0 | 11.43 | 0.00 | -2.879 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 17:45:00 | 72 | 15400.0 | 1955.0 | 37.5 | -1917.5 | 12.45 | 0.00 | -4.146 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 18:00:00 | 73 | 15400.0 | 1955.0 | 90.62 | -1864.38 | 12.11 | 0.00 | -3.349 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 18:15:00 | 74 | 15400.0 | 1937.5 | 203.12 | -1734.38 | 11.26 | 0.00 | -4.563 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 18:30:00 | 75 | 15400.0 | 1777.5 | 384.38 | -1393.12 | 9.05 | 0.00 | -3.839 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 18:45:00 | 76 | 15400.0 | 1832.5 | 434.38 | -1398.12 | 9.08 | 0.00 | -2.879 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 19:00:00 | 77 | 15400.0 | 1795.0 | 728.12 | -1066.88 | 6.93 | 0.00 | -3.199 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 19:15:00 | 78 | 15400.0 | 1835.0 | 893.75 | -941.25 | 6.11 | 0.00 | -1.727 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 19:30:00 | 79 | 15400.0 | 1765.0 | 1053.12 | -711.88 | 4.62 | 0.00 | -1.442 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 19:45:00 | 80 | 15400.0 | 1885.0 | 1143.75 | -741.25 | 4.81 | 0.00 | -0.286 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 20:00:00 | 81 | 15400.0 | 1780.0 | 1228.12 | -551.88 | 3.58 | 0.00 | -1.070 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 20:15:00 | 82 | 15400.0 | 1777.5 | 1268.75 | -508.75 | 3.3 | 0.00 | -2.236 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 20:30:00 | 83 | 15400.0 | 1832.5 | 1237.5 | -595.0 | 3.86 | 0.00 | -4.799 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 20:45:00 | 84 | 15400.0 | 1795.0 | 1356.25 | -438.75 | 2.85 | 0.00 | -1.727 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 21:00:00 | 85 | 15400.0 | 1835.0 | 1528.12 | -306.88 | 1.99 | 0.00 | -1.727 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 21:15:00 | 86 | 15400.0 | 1840.0 | 1721.88 | -118.12 | 0.77 | 0.00 | 1.152 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 21:30:00 | 87 | 15400.0 | 1960.0 | 1596.88 | -363.12 | 2.36 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Chavneshwar 132kV | 09/01/2020 21:45:00 | 88 | 15400.0 | 1855.0 | 1359.38 | -495.62 | 3.22 | 0.00 | -2.303 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 22:00:00 | 89 | 15400.0 | 1805.0 | 1325.0 | -480.0 | 3.12 | 0.00 | -2.795 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 22:15:00 | 90 | 15400.0 | 1940.0 | 1387.5 | -552.5 | 3.59 | 0.00 | -3.674 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 22:30:00 | 91 | 15400.0 | 1732.5 | 1456.25 | -276.25 | 1.79 | 0.00 | -2.303 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 22:45:00 | 92 | 15400.0 | 1912.5 | 1534.38 | -378.12 | 2.46 | 0.00 | -1.152 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 23:00:00 | 93 | 15400.0 | 1782.5 | 1550.0 | -232.5 | 1.51 | 0.00 | 0.000 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 23:15:00 | 94 | 15400.0 | 1822.5 | 1496.88 | -325.62 | 2.11 | 0.00 | -0.576 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 23:30:00 | 95 | 15400.0 | 2265.0 | 1803.12 | -461.88 | 3.0 | 0.00 | -0.576 | 0.000000 |
| Chavneshwar 132kV | 09/01/2020 23:45:00 | 96 | 15400.0 | 2185.0 | 2968.75 | 783.75 | 5.09 | 0.00 | -0.987 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 00:00:00 | 1 | 15400.0 | 2162.5 | 4446.88 | 2284.38 | 14.83 | 0.00 | -0.680 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 00:15:00 | 2 | 15400.0 | 2130.0 | 4993.75 | 2863.75 | 18.6 | 276.88 | -3.326 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 00:30:00 | 3 | 15400.0 | 2135.0 | 5187.5 | 3052.5 | 19.82 | 371.25 | -2.992 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 00:45:00 | 4 | 15400.0 | 2062.5 | 5096.88 | 3034.38 | 19.7 | 362.19 | -0.532 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 01:00:00 | 5 | 15400.0 | 2065.0 | 5015.62 | 2950.62 | 19.16 | 320.31 | -0.713 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 01:15:00 | 6 | 15400.0 | 2012.5 | 4809.38 | 2796.88 | 18.16 | 243.44 | -0.548 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 01:30:00 | 7 | 15400.0 | 2037.5 | 4653.12 | 2615.62 | 16.98 | 152.81 | -2.658 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 01:45:00 | 8 | 15400.0 | 2062.5 | 4559.38 | 2496.88 | 16.21 | 93.44 | 2.127 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 02:00:00 | 9 | 15400.0 | 3340.0 | 4765.62 | 1425.62 | 9.26 | 0.00 | 5.342 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 02:15:00 | 10 | 15400.0 | 3312.5 | 4718.75 | 1406.25 | 9.13 | 0.00 | 1.595 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 02:30:00 | 11 | 15400.0 | 4380.0 | 4603.12 | 223.12 | 1.45 | 0.00 | 3.326 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 02:45:00 | 12 | 15400.0 | 4312.5 | 4296.88 | -15.62 | 0.1 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Chavneshwar 132kV | 10/01/2020 03:00:00 | 13 | 15400.0 | 4162.5 | 4271.88 | 109.38 | 0.71 | 0.00 | 2.658 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 03:15:00 | 14 | 15400.0 | 4087.5 | 4628.12 | 540.62 | 3.51 | 0.00 | 2.127 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 03:30:00 | 15 | 15400.0 | 4080.0 | 4890.62 | 810.62 | 5.26 | 0.00 | 2.127 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 03:45:00 | 16 | 15400.0 | 4062.5 | 4978.12 | 915.62 | 5.95 | 0.00 | -1.063 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 04:00:00 | 17 | 15400.0 | 3812.5 | 4950.0 | 1137.5 | 7.39 | 0.00 | 1.595 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 04:15:00 | 18 | 15400.0 | 3830.0 | 4543.75 | 713.75 | 4.63 | 0.00 | 3.326 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 04:30:00 | 19 | 15400.0 | 3815.0 | 3815.62 | 0.62 | 0.0 | 0.00 | 3.326 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 04:45:00 | 20 | 15400.0 | 3590.0 | 2900.0 | -690.0 | 4.48 | 0.00 | 2.127 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 05:00:00 | 21 | 15400.0 | 3630.0 | 2868.75 | -761.25 | 4.94 | 0.00 | 2.992 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 05:15:00 | 22 | 15400.0 | 3405.0 | 3053.12 | -351.88 | 2.28 | 0.00 | 1.063 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 05:30:00 | 23 | 15400.0 | 3255.0 | 2584.38 | -670.62 | 4.35 | 0.00 | -2.658 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 05:45:00 | 24 | 15400.0 | 3135.0 | 2425.0 | -710.0 | 4.61 | 0.00 | 2.127 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 06:00:00 | 25 | 15400.0 | 3080.0 | 2509.38 | -570.62 | 3.71 | 0.00 | -2.127 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 06:15:00 | 26 | 15400.0 | 2912.5 | 2662.5 | -250.0 | 1.62 | 0.00 | 2.658 | 63.422245 |
| Chavneshwar 132kV | 10/01/2020 06:30:00 | 27 | 15400.0 | 2880.0 | 2875.0 | -5.0 | 0.03 | 0.00 | -2.992 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 06:45:00 | 28 | 15400.0 | 2587.5 | 2934.38 | 346.88 | 2.25 | 0.00 | -3.077 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 07:00:00 | 29 | 15400.0 | 2562.5 | 2821.88 | 259.38 | 1.68 | 0.00 | -0.687 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 07:15:00 | 30 | 15400.0 | 2205.0 | 2743.75 | 538.75 | 3.5 | 0.00 | -2.658 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 07:30:00 | 31 | 15400.0 | 2205.0 | 2431.25 | 226.25 | 1.47 | 0.00 | -1.063 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 07:45:00 | 32 | 15400.0 | 2187.5 | 2375.0 | 187.5 | 1.22 | 0.00 | -2.658 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 08:00:00 | 33 | 15400.0 | 2027.5 | 2156.25 | 128.75 | 0.84 | 0.00 | -4.328 | 0.000000 |

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| Chavneshwar 132kV | 10/01/2020 08:15:00 | 34 | 15400.0 | 2082.5 | 2003.12 | -79.38 | 0.52 | 0.00 | -4.661 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 08:30:00 | 35 | 15400.0 | 2045.0 | 1853.12 | -191.88 | 1.25 | 0.00 | 5.663 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 08:45:00 | 36 | 15400.0 | 2085.0 | 1506.25 | -578.75 | 3.76 | 0.00 | 4.328 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 09:00:00 | 37 | 15400.0 | 2090.0 | 1178.12 | -911.88 | 5.92 | 0.00 | -4.995 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 09:15:00 | 38 | 15400.0 | 2210.0 | 1021.88 | -1188.12 | 7.72 | 0.00 | -4.327 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 09:30:00 | 39 | 15400.0 | 2105.0 | 834.38 | -1270.62 | 8.25 | 0.00 | -2.127 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 09:45:00 | 40 | 15400.0 | 2055.0 | 784.38 | -1270.62 | 8.25 | 0.00 | -1.152 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 10:00:00 | 41 | 15400.0 | 2190.0 | 625.0 | -1565.0 | 10.16 | 0.00 | 0.000 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 10:15:00 | 42 | 15400.0 | 2062.5 | 500.0 | -1562.5 | 10.15 | 0.00 | -0.532 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 10:30:00 | 43 | 15400.0 | 2065.0 | 406.25 | -1658.75 | 10.77 | 0.00 | -1.063 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 10:45:00 | 44 | 15400.0 | 2012.5 | 371.88 | -1640.62 | 10.65 | 0.00 | 0.000 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 11:00:00 | 45 | 15400.0 | 2037.5 | 340.62 | -1696.88 | 11.02 | 0.00 | 2.658 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 11:15:00 | 46 | 15400.0 | 2062.5 | 403.12 | -1659.38 | 10.78 | 0.00 | 0.000 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 11:30:00 | 47 | 15400.0 | 2065.0 | 428.12 | -1636.88 | 10.63 | 0.00 | -1.595 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 11:45:00 | 48 | 15400.0 | 2057.5 | 465.62 | -1591.88 | 10.34 | 0.00 | 2.992 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 12:00:00 | 49 | 15400.0 | 2135.0 | 640.62 | -1494.38 | 9.7 | 0.00 | 0.000 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 12:15:00 | 50 | 15400.0 | 2205.0 | 518.75 | -1686.25 | 10.95 | 0.00 | 2.127 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 12:30:00 | 51 | 15400.0 | 2205.0 | 540.62 | -1664.38 | 10.81 | 0.00 | 1.595 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 12:45:00 | 52 | 15400.0 | 2187.5 | 593.75 | -1593.75 | 10.35 | 0.00 | -1.063 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 13:00:00 | 53 | 15400.0 | 2027.5 | 590.62 | -1436.88 | 9.33 | 0.00 | 2.658 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 13:15:00 | 54 | 15400.0 | 2082.5 | 721.88 | -1360.62 | 8.84 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Chavneshwar 132kV | 10/01/2020 13:30:00 | 55 | 15400.0 | 2045.0 | 909.38 | -1135.62 | 7.37 | 0.00 | 2.127 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 13:45:00 | 56 | 15400.0 | 2085.0 | 1021.88 | -1063.12 | 6.9 | 0.00 | -3.326 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 14:00:00 | 57 | 15400.0 | 2090.0 | 990.62 | -1099.38 | 7.14 | 0.00 | -2.992 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 14:15:00 | 58 | 15400.0 | 2210.0 | 790.62 | -1419.38 | 9.22 | 0.00 | 3.660 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 14:30:00 | 59 | 15400.0 | 2105.0 | 700.0 | -1405.0 | 9.12 | 0.00 | -2.127 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 14:45:00 | 60 | 15400.0 | 2055.0 | 656.25 | -1398.75 | 9.08 | 0.00 | -2.127 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 15:00:00 | 61 | 15400.0 | 2190.0 | 571.88 | -1618.12 | 10.51 | 0.00 | 0.000 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 15:15:00 | 62 | 15400.0 | 2162.5 | 475.0 | -1687.5 | 10.96 | 0.00 | -2.992 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 15:30:00 | 63 | 15400.0 | 2162.5 | 428.12 | -1734.38 | 11.26 | 0.00 | -4.995 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 15:45:00 | 64 | 15400.0 | 2062.5 | 500.0 | -1562.5 | 10.15 | 0.00 | -4.327 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 16:00:00 | 65 | 15400.0 | 2065.0 | 496.88 | -1568.12 | 10.18 | 0.00 | -4.995 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 16:15:00 | 66 | 15400.0 | 2012.5 | 400.0 | -1612.5 | 10.47 | 0.00 | -8.000 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 16:30:00 | 67 | 15400.0 | 2037.5 | 362.5 | -1675.0 | 10.88 | 0.00 | -8.000 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 16:45:00 | 68 | 15400.0 | 2062.5 | 353.12 | -1709.38 | 11.1 | 0.00 | 4.327 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 17:00:00 | 69 | 15400.0 | 2065.0 | 393.75 | -1671.25 | 10.85 | 0.00 | 0.532 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 17:15:00 | 70 | 15400.0 | 2057.5 | 409.38 | -1648.12 | 10.7 | 0.00 | -1.595 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 17:30:00 | 71 | 15400.0 | 2135.0 | 371.88 | -1763.12 | 11.45 | 0.00 | -2.658 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 17:45:00 | 72 | 15400.0 | 2205.0 | 425.0 | -1780.0 | 11.56 | 0.00 | -2.127 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 18:00:00 | 73 | 15400.0 | 2205.0 | 403.12 | -1801.88 | 11.7 | 0.00 | -1.461 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 18:15:00 | 74 | 15400.0 | 2187.5 | 415.62 | -1771.88 | 11.51 | 0.00 | 3.326 | 622.667335 |
| Chavneshwar 132kV | 10/01/2020 18:30:00 | 75 | 15400.0 | 2027.5 | 512.5 | -1515.0 | 9.84 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Chavneshwar 132kV | 10/01/2020 18:45:00 | 76 | 15400.0 | 2082.5 | 462.5 | -1620.0 | 10.52 | 0.00 | 3.994 | 270.417511 |
| Chavneshwar 132kV | 10/01/2020 19:00:00 | 77 | 15400.0 | 2045.0 | 337.5 | -1707.5 | 11.09 | 0.00 | -2.127 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 19:15:00 | 78 | 15400.0 | 2085.0 | 281.25 | -1803.75 | 11.71 | 0.00 | -2.658 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 19:30:00 | 79 | 15400.0 | 2090.0 | 171.88 | -1918.12 | 12.46 | 0.00 | -3.660 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 19:45:00 | 80 | 15400.0 | 2210.0 | 156.25 | -2053.75 | 13.34 | 0.00 | -3.326 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 20:00:00 | 81 | 15400.0 | 2105.0 | 121.88 | -1983.12 | 12.88 | 0.00 | 3.660 | 483.422871 |
| Chavneshwar 132kV | 10/01/2020 20:15:00 | 82 | 15400.0 | 2055.0 | 115.62 | -1939.38 | 12.59 | 0.00 | 3.660 | 2030.242923 |
| Chavneshwar 132kV | 10/01/2020 20:30:00 | 83 | 15400.0 | 2190.0 | 137.5 | -2052.5 | 13.33 | 0.00 | 4.995 | 3050.345484 |
| Chavneshwar 132kV | 10/01/2020 20:45:00 | 84 | 15400.0 | 2162.5 | 128.12 | -2034.38 | 13.21 | 0.00 | 2.992 | 2137.989984 |
| Chavneshwar 132kV | 10/01/2020 21:00:00 | 85 | 15400.0 | 2162.5 | 103.12 | -2059.38 | 13.37 | 0.00 | -3.660 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 21:15:00 | 86 | 15400.0 | 2062.5 | 81.25 | -1981.25 | 12.87 | 0.00 | -1.595 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 21:30:00 | 87 | 15400.0 | 2065.0 | 62.5 | -2002.5 | 13.0 | 0.00 | -1.063 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 21:45:00 | 88 | 15400.0 | 2012.5 | 81.25 | -1931.25 | 12.54 | 0.00 | -0.532 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 22:00:00 | 89 | 15400.0 | 2037.5 | 75.0 | -1962.5 | 12.74 | 0.00 | -1.595 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 22:15:00 | 90 | 15400.0 | 2062.5 | 84.38 | -1978.12 | 12.84 | 0.00 | -2.127 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 22:30:00 | 91 | 15400.0 | 2065.0 | 118.75 | -1946.25 | 12.64 | 0.00 | 1.063 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 22:45:00 | 92 | 15400.0 | 2057.5 | 175.0 | -1882.5 | 12.22 | 0.00 | -2.658 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 23:00:00 | 93 | 15400.0 | 2135.0 | 212.5 | -1922.5 | 12.48 | 0.00 | -2.658 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 23:15:00 | 94 | 15400.0 | 2205.0 | 300.0 | -1905.0 | 12.37 | 0.00 | 0.000 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 23:30:00 | 95 | 15400.0 | 2205.0 | 515.62 | -1689.38 | 10.97 | 0.00 | 0.000 | 0.000000 |
| Chavneshwar 132kV | 10/01/2020 23:45:00 | 96 | 15400.0 | 2187.5 | 712.5 | -1475.0 | 9.58 | 0.00 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Chavneshwar 132kV | 11/01/2020 00:00:00 | 1 | 15400.0 | 2162.5 | 900.0 | -1262.5 | 8.2 | 0.00 | 0.000 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 00:15:00 | 2 | 15400.0 | 2130.0 | 1103.12 | -1026.88 | 6.67 | 0.00 | -2.629 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 00:30:00 | 3 | 15400.0 | 2135.0 | 1175.0 | -960.0 | 6.23 | 0.00 | -1.577 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 00:45:00 | 4 | 15400.0 | 2062.5 | 1212.5 | -850.0 | 5.52 | 0.00 | 2.103 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 01:00:00 | 5 | 15400.0 | 2065.0 | 1815.62 | -249.38 | 1.62 | 0.00 | 2.964 | 117.161994 |
| Chavneshwar 132kV | 11/01/2020 01:15:00 | 6 | 15400.0 | 2012.5 | 3021.88 | 1009.38 | 6.55 | 0.00 | 1.052 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 01:30:00 | 7 | 15400.0 | 2037.5 | 4803.12 | 2765.62 | 17.96 | 227.81 | 1.577 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 01:45:00 | 8 | 15400.0 | 2062.5 | 5093.75 | 3031.25 | 19.68 | 360.63 | -0.526 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 02:00:00 | 9 | 15400.0 | 2065.0 | 4840.62 | 2775.62 | 18.02 | 232.81 | -0.403 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 02:15:00 | 10 | 15400.0 | 2057.5 | 4743.75 | 2686.25 | 17.44 | 188.13 | -0.630 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 02:30:00 | 11 | 15400.0 | 2135.0 | 4334.38 | 2199.38 | 14.28 | 0.00 | -0.526 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 02:45:00 | 12 | 15400.0 | 2205.0 | 3993.75 | 1788.75 | 11.62 | 0.00 | -0.526 | -85.181588 |
| Chavneshwar 132kV | 11/01/2020 03:00:00 | 13 | 15400.0 | 2205.0 | 3334.38 | 1129.38 | 7.33 | 0.00 | -1.051 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 03:15:00 | 14 | 15400.0 | 2187.5 | 2950.0 | 762.5 | 4.95 | 0.00 | 0.000 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 03:30:00 | 15 | 15400.0 | 2027.5 | 2528.12 | 500.62 | 3.25 | 0.00 | 0.000 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 03:45:00 | 16 | 15400.0 | 2082.5 | 2403.12 | 320.62 | 2.08 | 0.00 | 0.000 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 04:00:00 | 17 | 15400.0 | 2045.0 | 2421.88 | 376.88 | 2.45 | 0.00 | 0.000 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 04:15:00 | 18 | 15400.0 | 2085.0 | 2196.88 | 111.88 | 0.73 | 0.00 | -1.051 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 04:30:00 | 19 | 15400.0 | 2090.0 | 1943.75 | -146.25 | 0.95 | 0.00 | -2.964 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 04:45:00 | 20 | 15400.0 | 2210.0 | 1828.12 | -381.88 | 2.48 | 0.00 | -3.300 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 05:00:00 | 21 | 15400.0 | 2105.0 | 1668.75 | -436.25 | 2.83 | 0.00 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Chavneshwar 132kV | 11/01/2020 05:15:00 | 22 | 15400.0 | 2055.0 | 1596.88 | -458.12 | 2.97 | 0.00 | 5.314 | 574.021704 |
| Chavneshwar 132kV | 11/01/2020 05:30:00 | 23 | 15400.0 | 2190.0 | 1531.25 | -658.75 | 4.28 | 0.00 | 2.964 | 398.841081 |
| Chavneshwar 132kV | 11/01/2020 05:45:00 | 24 | 15400.0 | 2162.5 | 1525.0 | -637.5 | 4.14 | 0.00 | 2.103 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 06:00:00 | 25 | 15400.0 | 2162.5 | 1465.62 | -696.88 | 4.53 | 0.00 | 3.636 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 06:15:00 | 26 | 15400.0 | 2032.5 | 1471.88 | -560.62 | 3.64 | 0.00 | 2.964 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 06:30:00 | 27 | 15400.0 | 2072.5 | 1762.5 | -310.0 | 2.01 | 0.00 | 4.105 | 227.735443 |
| Chavneshwar 132kV | 11/01/2020 06:45:00 | 28 | 15400.0 | 2182.5 | 1853.12 | -329.38 | 2.14 | 0.00 | 5.650 | 50.939372 |
| Chavneshwar 132kV | 11/01/2020 07:00:00 | 29 | 15400.0 | 2010.0 | 1781.25 | -228.75 | 1.49 | 0.00 | 3.300 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 07:15:00 | 30 | 15400.0 | 2205.0 | 1590.62 | -614.38 | 3.99 | 0.00 | 5.314 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 07:30:00 | 31 | 15400.0 | 2205.0 | 1390.62 | -814.38 | 5.29 | 0.00 | 2.964 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 07:45:00 | 32 | 15400.0 | 2187.5 | 1237.5 | -950.0 | 6.17 | 0.00 | 2.103 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 08:00:00 | 33 | 15400.0 | 2027.5 | 1140.62 | -886.88 | 5.76 | 0.00 | -1.577 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 08:15:00 | 34 | 15400.0 | 2082.5 | 1009.38 | -1073.12 | 6.97 | 0.00 | 3.300 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 08:30:00 | 35 | 15400.0 | 2045.0 | 859.38 | -1185.62 | 7.7 | 0.00 | 2.116 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 08:45:00 | 36 | 15400.0 | 2085.0 | 656.25 | -1428.75 | 9.28 | 0.00 | 2.964 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 09:00:00 | 37 | 15400.0 | 2090.0 | 500.0 | -1590.0 | 10.32 | 0.00 | 6.681 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 09:15:00 | 38 | 15400.0 | 2210.0 | 403.12 | -1806.88 | 11.73 | 0.00 | 6.657 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 09:30:00 | 39 | 15400.0 | 2105.0 | 312.5 | -1792.5 | 11.64 | 0.00 | -6.322 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 09:45:00 | 40 | 15400.0 | 2055.0 | 228.12 | -1826.88 | 11.86 | 0.00 | -2.103 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 10:00:00 | 41 | 15400.0 | 2190.0 | 140.62 | -2049.38 | 13.31 | 0.00 | 0.526 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 10:15:00 | 42 | 15400.0 | 2062.5 | 96.88 | -1965.62 | 12.76 | 0.00 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Chavneshwar 132kV | 11/01/2020 10:30:00 | 43 | 15400.0 | 2065.0 | 65.62 | -1999.38 | 12.98 | 0.00 | 0.000 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 10:45:00 | 44 | 15400.0 | 2012.5 | 50.0 | -1962.5 | 12.74 | 0.00 | 0.000 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 11:00:00 | 45 | 15400.0 | 2037.5 | 43.75 | -1993.75 | 12.95 | 0.00 | 0.000 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 11:15:00 | 46 | 15400.0 | 2062.5 | 68.75 | -1993.75 | 12.95 | 0.00 | -2.964 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 11:30:00 | 47 | 15400.0 | 955.0 | 53.12 | -901.88 | 5.86 | 0.00 | -4.307 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 11:45:00 | 48 | 15400.0 | 955.0 | 96.88 | -858.12 | 5.57 | 0.00 | -3.300 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 12:00:00 | 49 | 15400.0 | 937.5 | 243.75 | -693.75 | 4.5 | 0.00 | -0.526 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 12:15:00 | 50 | 15400.0 | 777.5 | 296.88 | -480.62 | 3.12 | 0.00 | -2.103 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 12:30:00 | 51 | 15400.0 | 805.0 | 240.62 | -564.38 | 3.66 | 0.00 | -2.629 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 12:45:00 | 52 | 15400.0 | 937.5 | 203.12 | -734.38 | 4.77 | 0.00 | -2.629 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 13:00:00 | 53 | 15400.0 | 777.5 | 162.5 | -615.0 | 3.99 | 0.00 | 0.000 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 13:15:00 | 54 | 15400.0 | 787.5 | 159.38 | -628.12 | 4.08 | 0.00 | -2.103 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 13:30:00 | 55 | 15400.0 | 795.0 | 171.88 | -623.12 | 4.05 | 0.00 | 2.629 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 13:45:00 | 56 | 15400.0 | 805.0 | 196.88 | -608.12 | 3.95 | 0.00 | 2.103 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 14:00:00 | 57 | 15400.0 | 840.0 | 231.25 | -608.75 | 3.95 | 0.00 | 1.051 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 14:15:00 | 58 | 15400.0 | 960.0 | 162.5 | -797.5 | 5.18 | 0.00 | 3.300 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 14:30:00 | 59 | 15400.0 | 855.0 | 90.62 | -764.38 | 4.96 | 0.00 | -3.636 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 14:45:00 | 60 | 15400.0 | 805.0 | 65.62 | -739.38 | 4.8 | 0.00 | 4.979 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 15:00:00 | 61 | 15400.0 | 940.0 | 65.62 | -874.38 | 5.68 | 0.00 | -2.964 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 15:15:00 | 62 | 15400.0 | 912.5 | 59.38 | -853.12 | 5.54 | 0.00 | -5.314 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 15:30:00 | 63 | 15400.0 | 912.5 | 46.88 | -865.62 | 5.62 | 0.00 | 2.964 | 0.000000 |

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| Chavneshwar 132kV | 11/01/2020 15:45:00 | 64 | 15400.0 | 812.5 | 6.25 | -806.25 | 5.24 | 0.00 | 4.643 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 16:00:00 | 65 | 15400.0 | 815.0 | 0.0 | -815.0 | 5.29 | 0.00 | 2.103 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 16:15:00 | 66 | 15400.0 | 762.5 | 0.0 | -762.5 | 4.95 | 0.00 | -2.964 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 16:30:00 | 67 | 15400.0 | 787.5 | 0.0 | -787.5 | 5.11 | 0.00 | -2.103 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 16:45:00 | 68 | 15400.0 | 812.5 | 0.0 | -812.5 | 5.28 | 0.00 | 3.972 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 17:00:00 | 69 | 15400.0 | 815.0 | 0.0 | -815.0 | 5.29 | 0.00 | -1.577 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 17:15:00 | 70 | 15400.0 | 807.5 | 0.0 | -807.5 | 5.24 | 0.00 | -1.577 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 17:30:00 | 71 | 15400.0 | 885.0 | 0.0 | -885.0 | 5.75 | 0.00 | 1.051 | 11.292021 |
| Chavneshwar 132kV | 11/01/2020 17:45:00 | 72 | 15400.0 | 2205.0 | 0.0 | -2205.0 | 14.32 | 0.00 | -2.103 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 18:00:00 | 73 | 15400.0 | 2205.0 | 9.38 | -2195.62 | 14.26 | 0.00 | -2.964 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 18:15:00 | 74 | 15400.0 | 2187.5 | 71.88 | -2115.62 | 13.74 | 0.00 | -2.629 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 18:30:00 | 75 | 15400.0 | 2027.5 | 128.12 | -1899.38 | 12.33 | 0.00 | 2.103 | 66.767944 |
| Chavneshwar 132kV | 11/01/2020 18:45:00 | 76 | 15400.0 | 2082.5 | 203.12 | -1879.38 | 12.2 | 0.00 | 0.526 | 193.438625 |
| Chavneshwar 132kV | 11/01/2020 19:00:00 | 77 | 15400.0 | 2045.0 | 287.5 | -1757.5 | 11.41 | 0.00 | 2.103 | 718.459958 |
| Chavneshwar 132kV | 11/01/2020 19:15:00 | 78 | 15400.0 | 2085.0 | 250.0 | -1835.0 | 11.92 | 0.00 | -1.052 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 19:30:00 | 79 | 15400.0 | 2090.0 | 262.5 | -1827.5 | 11.87 | 0.00 | 2.964 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 19:45:00 | 80 | 15400.0 | 2210.0 | 315.62 | -1894.38 | 12.3 | 0.00 | 2.629 | 1409.109712 |
| Chavneshwar 132kV | 11/01/2020 20:00:00 | 81 | 15400.0 | 2105.0 | 381.25 | -1723.75 | 11.19 | 0.00 | 2.629 | 280.334697 |
| Chavneshwar 132kV | 11/01/2020 20:15:00 | 82 | 15400.0 | 2055.0 | 396.88 | -1658.12 | 10.77 | 0.00 | 4.307 | 889.208832 |
| Chavneshwar 132kV | 11/01/2020 20:30:00 | 83 | 15400.0 | 2190.0 | 400.0 | -1790.0 | 11.62 | 0.00 | 2.964 | 2461.269854 |
| Chavneshwar 132kV | 11/01/2020 20:45:00 | 84 | 15400.0 | 2162.5 | 406.25 | -1756.25 | 11.4 | 0.00 | 2.629 | 2072.906976 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Chavneshwar 132kV | 11/01/2020 21:00:00 | 85 | 15400.0 | 2162.5 | 412.5 | -1750.0 | 11.36 | 0.00 | 3.636 | 375.144054 |
| Chavneshwar 132kV | 11/01/2020 21:15:00 | 86 | 15400.0 | 2062.5 | 362.5 | -1700.0 | 11.04 | 0.00 | -1.577 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 21:30:00 | 87 | 15400.0 | 2065.0 | 359.38 | -1705.62 | 11.08 | 0.00 | -1.577 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 21:45:00 | 88 | 15400.0 | 2012.5 | 396.88 | -1615.62 | 10.49 | 0.00 | -1.052 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 22:00:00 | 89 | 15400.0 | 2037.5 | 431.25 | -1606.25 | 10.43 | 0.00 | -5.650 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 22:15:00 | 90 | 15400.0 | 2062.5 | 406.25 | -1656.25 | 10.75 | 0.00 | -5.650 | 0.000000 |
| Chavneshwar 132kV | 11/01/2020 22:30:00 | 91 | 15400.0 | 2065.0 | 393.75 | -1671.25 | 10.85 | 0.00 | 4.979 | 805.804223 |
| Chavneshwar 132kV | 11/01/2020 22:45:00 | 92 | 15400.0 | 2057.5 | 418.75 | -1638.75 | 10.64 | 0.00 | 2.964 | 1029.106957 |
| Chavneshwar 132kV | 11/01/2020 23:00:00 | 93 | 15400.0 | 2135.0 | 425.0 | -1710.0 | 11.1 | 0.00 | 1.577 | 267.388842 |
| Chavneshwar 132kV | 11/01/2020 23:15:00 | 94 | 15400.0 | 2205.0 | 400.0 | -1805.0 | 11.72 | 0.00 | 1.074 | 230.858949 |
| Chavneshwar 132kV | 11/01/2020 23:30:00 | 95 | 15400.0 | 2205.0 | 425.0 | -1780.0 | 11.56 | 0.00 | 2.113 | 1026.149403 |
| Chavneshwar 132kV | 11/01/2020 23:45:00 | 96 | 15400.0 | 2187.5 | 425.0 | -1762.5 | 11.44 | 0.00 | 2.162 | 1309.897708 |
| Chavneshwar 132kV | 12/01/2020 00:00:00 | 1 | 15400.0 | 2162.5 | 431.25 | -1731.25 | 11.24 | 0.00 | 3.022 | 1064.836166 |
| Chavneshwar 132kV | 12/01/2020 00:15:00 | 2 | 15400.0 | 2130.0 | 478.12 | -1651.88 | 10.73 | 0.00 | -2.152 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 00:30:00 | 3 | 15400.0 | 2135.0 | 475.0 | -1660.0 | 10.78 | 0.00 | -2.152 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 00:45:00 | 4 | 15400.0 | 2062.5 | 415.62 | -1646.88 | 10.69 | 0.00 | -3.022 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 01:00:00 | 5 | 15400.0 | 2065.0 | 425.0 | -1640.0 | 10.65 | 0.00 | -0.629 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 01:15:00 | 6 | 15400.0 | 2012.5 | 450.0 | -1562.5 | 10.15 | 0.00 | -3.317 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 01:30:00 | 7 | 15400.0 | 2037.5 | 565.62 | -1471.88 | 9.56 | 0.00 | -3.354 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 01:45:00 | 8 | 15400.0 | 2062.5 | 690.62 | -1371.88 | 8.91 | 0.00 | -3.022 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 02:00:00 | 9 | 15400.0 | 2065.0 | 781.25 | -1283.75 | 8.34 | 0.00 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Chavneshwar 132kV | 12/01/2020 02:15:00 | 10 | 15400.0 | 2057.5 | 887.5 | -1170.0 | 7.6 | 0.00 | -3.022 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 02:30:00 | 11 | 15400.0 | 2135.0 | 931.25 | -1203.75 | 7.82 | 0.00 | -2.690 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 02:45:00 | 12 | 15400.0 | 2205.0 | 1228.12 | -976.88 | 6.34 | 0.00 | -3.022 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 03:00:00 | 13 | 15400.0 | 2205.0 | 1109.38 | -1095.62 | 7.11 | 0.00 | 3.354 | 518.761870 |
| Chavneshwar 132kV | 12/01/2020 03:15:00 | 14 | 15400.0 | 2187.5 | 1378.12 | -809.38 | 5.26 | 0.00 | 3.022 | 469.978610 |
| Chavneshwar 132kV | 12/01/2020 03:30:00 | 15 | 15400.0 | 2027.5 | 1759.38 | -268.12 | 1.74 | 0.00 | 3.354 | 57.744891 |
| Chavneshwar 132kV | 12/01/2020 03:45:00 | 16 | 15400.0 | 2082.5 | 1806.25 | -276.25 | 1.79 | 0.00 | 2.152 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 04:00:00 | 17 | 15400.0 | 2045.0 | 1693.75 | -351.25 | 2.28 | 0.00 | -2.152 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 04:15:00 | 18 | 15400.0 | 2085.0 | 1559.38 | -525.62 | 3.41 | 0.00 | -3.022 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 04:30:00 | 19 | 15400.0 | 2090.0 | 1734.38 | -355.62 | 2.31 | 0.00 | 1.076 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 04:45:00 | 20 | 15400.0 | 2210.0 | 2003.12 | -206.88 | 1.34 | 0.00 | -3.022 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 05:00:00 | 21 | 15400.0 | 2105.0 | 1921.88 | -183.12 | 1.19 | 0.00 | 3.686 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 05:15:00 | 22 | 15400.0 | 2055.0 | 1684.38 | -370.62 | 2.41 | 0.00 | 3.686 | 408.894169 |
| Chavneshwar 132kV | 12/01/2020 05:30:00 | 23 | 15400.0 | 2190.0 | 1703.12 | -486.88 | 3.16 | 0.00 | -1.614 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 05:45:00 | 24 | 15400.0 | 2162.5 | 1668.75 | -493.75 | 3.21 | 0.00 | -0.496 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 06:00:00 | 25 | 15400.0 | 2162.5 | 1503.12 | -659.38 | 4.28 | 0.00 | 0.000 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 06:15:00 | 26 | 15400.0 | 2032.5 | 1337.5 | -695.0 | 4.51 | 0.00 | -0.430 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 06:30:00 | 27 | 15400.0 | 2072.5 | 1090.62 | -981.88 | 6.38 | 0.00 | -2.152 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 06:45:00 | 28 | 15400.0 | 2182.5 | 1090.62 | -1091.88 | 7.09 | 0.00 | 4.681 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 07:00:00 | 29 | 15400.0 | 2010.0 | 1231.25 | -778.75 | 5.06 | 0.00 | 1.614 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 07:15:00 | 30 | 15400.0 | 2205.0 | 1450.0 | -755.0 | 4.9 | 0.00 | 3.838 | 624.880646 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Chavneshwar 132kV | 12/01/2020 07:30:00 | 31 | 15400.0 | 2205.0 | 1481.25 | -723.75 | 4.7 | 0.00 | 3.022 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 07:45:00 | 32 | 15400.0 | 2187.5 | 1381.25 | -806.25 | 5.24 | 0.00 | 2.690 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 08:00:00 | 33 | 15400.0 | 2027.5 | 1150.0 | -877.5 | 5.7 | 0.00 | -2.690 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 08:15:00 | 34 | 15400.0 | 2082.5 | 987.5 | -1095.0 | 7.11 | 0.00 | -4.018 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 08:30:00 | 35 | 15400.0 | 2045.0 | 878.12 | -1166.88 | 7.58 | 0.00 | -2.690 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 08:45:00 | 36 | 15400.0 | 2085.0 | 756.25 | -1328.75 | 8.63 | 0.00 | 3.022 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 09:00:00 | 37 | 15400.0 | 2090.0 | 596.88 | -1493.12 | 9.7 | 0.00 | -3.354 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 09:15:00 | 38 | 15400.0 | 2210.0 | 478.12 | -1731.88 | 11.25 | 0.00 | -4.350 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 09:30:00 | 39 | 15400.0 | 2105.0 | 493.75 | -1611.25 | 10.46 | 0.00 | 2.152 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 09:45:00 | 40 | 15400.0 | 2055.0 | 406.25 | -1648.75 | 10.71 | 0.00 | -2.690 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 10:00:00 | 41 | 15400.0 | 2190.0 | 531.25 | -1658.75 | 10.77 | 0.00 | -3.354 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 10:15:00 | 42 | 15400.0 | 2062.5 | 490.62 | -1571.88 | 10.21 | 0.00 | -3.686 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 10:30:00 | 43 | 15400.0 | 2065.0 | 528.12 | -1536.88 | 9.98 | 0.00 | -1.614 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 10:45:00 | 44 | 15400.0 | 2012.5 | 546.88 | -1465.62 | 9.52 | 0.00 | 3.686 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 11:00:00 | 45 | 15400.0 | 2037.5 | 368.75 | -1668.75 | 10.84 | 0.00 | -3.354 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 11:15:00 | 46 | 15400.0 | 2062.5 | 459.38 | -1603.12 | 10.41 | 0.00 | -5.450 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 11:30:00 | 47 | 15400.0 | 2065.0 | 578.12 | -1486.88 | 9.66 | 0.00 | -6.009 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 11:45:00 | 48 | 15400.0 | 2057.5 | 637.5 | -1420.0 | 9.22 | 0.00 | 2.690 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 12:00:00 | 49 | 15400.0 | 2135.0 | 568.75 | -1566.25 | 10.17 | 0.00 | 3.686 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 12:15:00 | 50 | 15400.0 | 2205.0 | 553.12 | -1651.88 | 10.73 | 0.00 | -5.345 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 12:30:00 | 51 | 15400.0 | 2205.0 | 484.38 | -1720.62 | 11.17 | 0.00 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Chavneshwar 132kV | 12/01/2020 12:45:00 | 52 | 15400.0 | 2187.5 | 465.62 | -1721.88 | 11.18 | 0.00 | -5.345 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 13:00:00 | 53 | 15400.0 | 2027.5 | 421.88 | -1605.62 | 10.43 | 0.00 | -3.999 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 13:15:00 | 54 | 15400.0 | 2082.5 | 393.75 | -1688.75 | 10.97 | 0.00 | -4.350 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 13:30:00 | 55 | 15400.0 | 2045.0 | 303.12 | -1741.88 | 11.31 | 0.00 | -1.076 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 13:45:00 | 56 | 15400.0 | 2085.0 | 315.62 | -1769.38 | 11.49 | 0.00 | -2.690 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 14:00:00 | 57 | 15400.0 | 2090.0 | 290.62 | -1799.38 | 11.68 | 0.00 | -0.538 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 14:15:00 | 58 | 15400.0 | 2210.0 | 218.75 | -1991.25 | 12.93 | 0.00 | -2.152 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 14:30:00 | 59 | 15400.0 | 2105.0 | 221.88 | -1883.12 | 12.23 | 0.00 | -2.690 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 14:45:00 | 60 | 15400.0 | 2055.0 | 203.12 | -1851.88 | 12.03 | 0.00 | -1.076 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 15:00:00 | 61 | 15400.0 | 2190.0 | 121.88 | -2068.12 | 13.43 | 0.00 | 0.000 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 15:15:00 | 62 | 15400.0 | 2162.5 | 90.62 | -2071.88 | 13.45 | 0.00 | -2.690 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 15:30:00 | 63 | 15400.0 | 2162.5 | 218.75 | -1943.75 | 12.62 | 0.00 | -3.022 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 15:45:00 | 64 | 15400.0 | 2062.5 | 187.5 | -1875.0 | 12.18 | 0.00 | -3.686 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 16:00:00 | 65 | 15400.0 | 2065.0 | 140.62 | -1924.38 | 12.5 | 0.00 | -3.737 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 16:15:00 | 66 | 15400.0 | 2012.5 | 121.88 | -1890.62 | 12.28 | 0.00 | -5.786 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 16:30:00 | 67 | 15400.0 | 2037.5 | 106.25 | -1931.25 | 12.54 | 0.00 | -4.350 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 16:45:00 | 68 | 15400.0 | 2062.5 | 134.38 | -1928.12 | 12.52 | 0.00 | -1.614 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 17:00:00 | 69 | 15400.0 | 2065.0 | 115.62 | -1949.38 | 12.66 | 0.00 | 0.000 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 17:15:00 | 70 | 15400.0 | 2057.5 | 90.62 | -1966.88 | 12.77 | 0.00 | 2.690 | 509.921010 |
| Chavneshwar 132kV | 12/01/2020 17:30:00 | 71 | 15400.0 | 2135.0 | 128.12 | -2006.88 | 13.03 | 0.00 | -3.022 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 17:45:00 | 72 | 15400.0 | 2205.0 | 221.88 | -1983.12 | 12.88 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Chavneshwar 132kV | 12/01/2020 18:00:00 | 73 | 15400.0 | 2205.0 | 378.12 | -1826.88 | 11.86 | 0.00 | -0.538 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 18:15:00 | 74 | 15400.0 | 2187.5 | 503.12 | -1684.38 | 10.94 | 0.00 | -4.350 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 18:30:00 | 75 | 15400.0 | 2027.5 | 715.62 | -1311.88 | 8.52 | 0.00 | 2.690 | 225.597643 |
| Chavneshwar 132kV | 12/01/2020 18:45:00 | 76 | 15400.0 | 2082.5 | 896.88 | -1185.62 | 7.7 | 0.00 | 3.022 | 1313.508412 |
| Chavneshwar 132kV | 12/01/2020 19:00:00 | 77 | 15400.0 | 2045.0 | 1068.75 | -976.25 | 6.34 | 0.00 | 3.686 | 347.405423 |
| Chavneshwar 132kV | 12/01/2020 19:15:00 | 78 | 15400.0 | 2085.0 | 1084.38 | -1000.62 | 6.5 | 0.00 | 2.690 | 21.136152 |
| Chavneshwar 132kV | 12/01/2020 19:30:00 | 79 | 15400.0 | 2090.0 | 1190.62 | -899.38 | 5.84 | 0.00 | -3.022 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 19:45:00 | 80 | 15400.0 | 2210.0 | 1328.12 | -881.88 | 5.73 | 0.00 | -1.781 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 20:00:00 | 81 | 15400.0 | 2105.0 | 1378.12 | -726.88 | 4.72 | 0.00 | -3.021 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 20:15:00 | 82 | 15400.0 | 2055.0 | 1275.0 | -780.0 | 5.06 | 0.00 | -4.018 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 20:30:00 | 83 | 15400.0 | 2190.0 | 1184.38 | -1005.62 | 6.53 | 0.00 | -3.354 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 20:45:00 | 84 | 15400.0 | 2162.5 | 1112.5 | -1050.0 | 6.82 | 0.00 | -1.614 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 21:00:00 | 85 | 15400.0 | 2162.5 | 1040.62 | -1121.88 | 7.28 | 0.00 | -4.350 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 21:15:00 | 86 | 15400.0 | 2062.5 | 1065.62 | -996.88 | 6.47 | 0.00 | -3.686 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 21:30:00 | 87 | 15400.0 | 2065.0 | 959.38 | -1105.62 | 7.18 | 0.00 | -1.614 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 21:45:00 | 88 | 15400.0 | 2012.5 | 856.25 | -1156.25 | 7.51 | 0.00 | 0.000 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 22:00:00 | 89 | 15400.0 | 2037.5 | 687.5 | -1350.0 | 8.77 | 0.00 | -3.354 | 0.000000 |
| Chavneshwar 132kV | 12/01/2020 22:15:00 | 90 | 15400.0 | 2062.5 | 475.0 | -1587.5 | 10.31 | 0.00 | 4.350 | 1938.259343 |
| Chavneshwar 132kV | 12/01/2020 22:30:00 | 91 | 15400.0 | 2065.0 | 371.88 | -1693.12 | 10.99 | 0.00 | 5.215 | 3898.640188 |
| Chavneshwar 132kV | 12/01/2020 22:45:00 | 92 | 15400.0 | 2057.5 | 271.88 | -1785.62 | 11.59 | 0.00 | 3.022 | 402.496021 |
| Chavneshwar 132kV | 12/01/2020 23:00:00 | 93 | 15400.0 | 2135.0 | 118.75 | -2016.25 | 13.09 | 0.00 | 3.022 | 995.468170 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Chavneshwar 132kV | 12/01/2020 23:15:00 | 94 | 15400.0 | 2205.0 | 34.38 | -2170.62 | 14.09 | 0.00 | 2.152 | 1067.093314 |
| Chavneshwar 132kV | 12/01/2020 23:30:00 | 95 | 15400.0 | 2205.0 | 6.25 | -2198.75 | 14.28 | 0.00 | 2.152 | 622.024270 |
| Chavneshwar 132kV | 12/01/2020 23:45:00 | 96 | 15400.0 | 2187.5 | 40.62 | -2146.88 | 13.94 | 0.00 | 2.152 | 697.840391 |
| Gangapur 220kV | 06/01/2020 00:00:00 | 1 | 59062.5 | 7937.5 | 5375.0 | -2562.5 | 4.34 | 0.00 | 2.903 | 0.000000 |
| Gangapur 220kV | 06/01/2020 00:15:00 | 2 | 59062.5 | 7987.5 | 6190.62 | -1796.88 | 3.04 | 0.00 | 0.000 | 0.000000 |
| Gangapur 220kV | 06/01/2020 00:30:00 | 3 | 59062.5 | 7937.5 | 6409.38 | -1528.12 | 2.59 | 0.00 | 0.000 | 0.000000 |
| Gangapur 220kV | 06/01/2020 00:45:00 | 4 | 59062.5 | 7987.5 | 5637.5 | -2350.0 | 3.98 | 0.00 | -0.984 | 0.000000 |
| Gangapur 220kV | 06/01/2020 01:00:00 | 5 | 59062.5 | 8055.0 | 4250.0 | -3805.0 | 6.44 | 0.00 | -3.541 | 0.000000 |
| Gangapur 220kV | 06/01/2020 01:15:00 | 6 | 59062.5 | 8037.5 | 2871.88 | -5165.62 | 8.75 | 0.00 | 3.222 | 124.014996 |
| Gangapur 220kV | 06/01/2020 01:30:00 | 7 | 59062.5 | 8110.0 | 2409.38 | -5700.62 | 9.65 | 0.00 | 3.541 | 1538.496698 |
| Gangapur 220kV | 06/01/2020 01:45:00 | 8 | 59062.5 | 8162.5 | 2518.75 | -5643.75 | 9.56 | 0.00 | 2.352 | 0.000000 |
| Gangapur 220kV | 06/01/2020 02:00:00 | 9 | 59062.5 | 8162.5 | 3646.88 | -4515.62 | 7.65 | 0.00 | 1.747 | 0.000000 |
| Gangapur 220kV | 06/01/2020 02:15:00 | 10 | 59062.5 | 8037.5 | 4353.12 | -3684.38 | 6.24 | 0.00 | 0.581 | 0.000000 |
| Gangapur 220kV | 06/01/2020 02:30:00 | 11 | 59062.5 | 8062.5 | 5456.25 | -2606.25 | 4.41 | 0.00 | -2.323 | 0.000000 |
| Gangapur 220kV | 06/01/2020 02:45:00 | 12 | 59062.5 | 8112.5 | 5828.12 | -2284.38 | 3.87 | 0.00 | 2.323 | 0.000000 |
| Gangapur 220kV | 06/01/2020 03:00:00 | 13 | 59062.5 | 8055.0 | 6612.5 | -1442.5 | 2.44 | 0.00 | 2.323 | 0.000000 |
| Gangapur 220kV | 06/01/2020 03:15:00 | 14 | 59062.5 | 8037.5 | 7762.5 | -275.0 | 0.47 | 0.00 | -1.742 | 0.000000 |
| Gangapur 220kV | 06/01/2020 03:30:00 | 15 | 59062.5 | 8110.0 | 8162.5 | 52.5 | 0.09 | 0.00 | 3.222 | 0.000000 |
| Gangapur 220kV | 06/01/2020 03:45:00 | 16 | 59062.5 | 8162.5 | 8512.5 | 350.0 | 0.59 | 0.00 | 3.541 | 0.000000 |
| Gangapur 220kV | 06/01/2020 04:00:00 | 17 | 59062.5 | 8162.5 | 9450.0 | 1287.5 | 2.18 | 0.00 | 4.496 | 0.000000 |
| Gangapur 220kV | 06/01/2020 04:15:00 | 18 | 59062.5 | 11312.5 | 10190.62 | -1121.88 | 1.9 | 0.00 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Gangapur 220kV | 06/01/2020 04:30:00 | 19 | 59062.5 | 11312.5 | 11471.88 | 159.38 | 0.27 | 0.00 | 3.859 | 0.000000 |
| Gangapur 220kV | 06/01/2020 04:45:00 | 20 | 59062.5 | 11362.5 | 13765.62 | 2403.12 | 4.07 | 0.00 | 4.815 | 0.000000 |
| Gangapur 220kV | 06/01/2020 05:00:00 | 21 | 59062.5 | 11305.0 | 15190.62 | 3885.62 | 6.58 | 0.00 | 3.859 | 0.000000 |
| Gangapur 220kV | 06/01/2020 05:15:00 | 22 | 59062.5 | 11287.5 | 13925.0 | 2637.5 | 4.47 | 0.00 | 6.407 | 0.000000 |
| Gangapur 220kV | 06/01/2020 05:30:00 | 23 | 59062.5 | 11360.0 | 14446.88 | 3086.88 | 5.23 | 0.00 | 6.496 | 0.000000 |
| Gangapur 220kV | 06/01/2020 05:45:00 | 24 | 59062.5 | 12562.5 | 15087.5 | 2525.0 | 4.28 | 0.00 | 7.492 | 0.000000 |
| Gangapur 220kV | 06/01/2020 06:00:00 | 25 | 59062.5 | 12662.5 | 15443.75 | 2781.25 | 4.71 | 0.00 | -5.452 | 0.000000 |
| Gangapur 220kV | 06/01/2020 06:15:00 | 26 | 59062.5 | 12537.5 | 16281.25 | 3743.75 | 6.34 | 0.00 | -6.089 | 0.000000 |
| Gangapur 220kV | 06/01/2020 06:30:00 | 27 | 59062.5 | 12537.5 | 15728.12 | 3190.62 | 5.4 | 0.00 | -7.044 | 0.000000 |
| Gangapur 220kV | 06/01/2020 06:45:00 | 28 | 59062.5 | 12562.5 | 14765.62 | 2203.12 | 3.73 | 0.00 | 7.682 | 0.000000 |
| Gangapur 220kV | 06/01/2020 07:00:00 | 29 | 59062.5 | 12612.5 | 13140.62 | 528.12 | 0.89 | 0.00 | -3.859 | 0.000000 |
| Gangapur 220kV | 06/01/2020 07:15:00 | 30 | 59062.5 | 15587.5 | 13671.88 | -1915.62 | 3.24 | 0.00 | 4.815 | 951.139969 |
| Gangapur 220kV | 06/01/2020 07:30:00 | 31 | 59062.5 | 15562.5 | 12650.0 | -2912.5 | 4.93 | 0.00 | 4.178 | 0.000000 |
| Gangapur 220kV | 06/01/2020 07:45:00 | 32 | 59062.5 | 15662.5 | 10721.88 | -4940.62 | 8.37 | 0.00 | -3.540 | 0.000000 |
| Gangapur 220kV | 06/01/2020 08:00:00 | 33 | 59062.5 | 15537.5 | 9300.0 | -6237.5 | 10.56 | 0.00 | -3.859 | 0.000000 |
| Gangapur 220kV | 06/01/2020 08:15:00 | 34 | 59062.5 | 15537.5 | 8253.12 | -7284.38 | 12.33 | 0.00 | -5.452 | 0.000000 |
| Gangapur 220kV | 06/01/2020 08:30:00 | 35 | 59062.5 | 15562.5 | 7881.25 | -7681.25 | 13.01 | 0.00 | 4.178 | 0.000000 |
| Gangapur 220kV | 06/01/2020 08:45:00 | 36 | 59062.5 | 15612.5 | 7293.75 | -8318.75 | 14.08 | 0.00 | -3.859 | 0.000000 |
| Gangapur 220kV | 06/01/2020 09:00:00 | 37 | 59062.5 | 15555.0 | 6178.12 | -9376.88 | 15.88 | 258.75 | -6.407 | 0.000000 |
| Gangapur 220kV | 06/01/2020 09:15:00 | 38 | 59062.5 | 15562.5 | 5175.0 | -10387.5 | 17.59 | 764.06 | -8.000 | 0.000000 |
| Gangapur 220kV | 06/01/2020 09:30:00 | 39 | 59062.5 | 15662.5 | 5000.0 | -10662.5 | 18.05 | 901.56 | -5.770 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Gangapur 220kV | 06/01/2020 09:45:00 | 40 | 59062.5 | 15537.5 | 4387.5 | -11150.0 | 18.88 | 1145.31 | 3.222 | 0.000000 |
| Gangapur 220kV | 06/01/2020 10:00:00 | 41 | 59062.5 | 15537.5 | 3428.12 | -12109.38 | 20.5 | 1625.00 | -2.903 | 0.000000 |
| Gangapur 220kV | 06/01/2020 10:15:00 | 42 | 59062.5 | 15562.5 | 2962.5 | -12600.0 | 21.33 | 1870.31 | -3.222 | 0.000000 |
| Gangapur 220kV | 06/01/2020 10:30:00 | 43 | 59062.5 | 8025.0 | 1700.0 | -6325.0 | 10.71 | 0.00 | 4.815 | 0.000000 |
| Gangapur 220kV | 06/01/2020 10:45:00 | 44 | 59062.5 | 7955.0 | 1250.0 | -6705.0 | 11.35 | 0.00 | 4.496 | 0.000000 |
| Gangapur 220kV | 06/01/2020 11:00:00 | 45 | 59062.5 | 7942.5 | 1625.0 | -6317.5 | 10.7 | 0.00 | 16.000 | 0.000000 |
| Gangapur 220kV | 06/01/2020 11:15:00 | 46 | 59062.5 | 7967.5 | 2237.5 | -5730.0 | 9.7 | 0.00 | 5.133 | 0.000000 |
| Gangapur 220kV | 06/01/2020 11:30:00 | 47 | 59062.5 | 8017.5 | 2875.0 | -5142.5 | 8.71 | 0.00 | 1.182 | 0.000000 |
| Gangapur 220kV | 06/01/2020 11:45:00 | 48 | 59062.5 | 7960.0 | 2537.5 | -5422.5 | 9.18 | 0.00 | 6.308 | 0.000000 |
| Gangapur 220kV | 06/01/2020 12:00:00 | 49 | 59062.5 | 7942.5 | 2346.88 | -5595.62 | 9.47 | 0.00 | 6.598 | 0.000000 |
| Gangapur 220kV | 06/01/2020 12:15:00 | 50 | 59062.5 | 8015.0 | 2506.25 | -5508.75 | 9.33 | 0.00 | 5.431 | 0.000000 |
| Gangapur 220kV | 06/01/2020 12:30:00 | 51 | 59062.5 | 7990.0 | 2743.75 | -5246.25 | 8.88 | 0.00 | 3.540 | 0.000000 |
| Gangapur 220kV | 06/01/2020 12:45:00 | 52 | 59062.5 | 8015.0 | 2440.62 | -5574.38 | 9.44 | 0.00 | -2.903 | 0.000000 |
| Gangapur 220kV | 06/01/2020 13:00:00 | 53 | 59062.5 | 7942.5 | 2209.38 | -5733.12 | 9.71 | 0.00 | -1.161 | 0.000000 |
| Gangapur 220kV | 06/01/2020 13:15:00 | 54 | 59062.5 | 7967.5 | 2059.38 | -5908.12 | 10.0 | 0.00 | 3.859 | 0.000000 |
| Gangapur 220kV | 06/01/2020 13:30:00 | 55 | 59062.5 | 8017.5 | 1415.62 | -6601.88 | 11.18 | 0.00 | -6.407 | 0.000000 |
| Gangapur 220kV | 06/01/2020 13:45:00 | 56 | 59062.5 | 7960.0 | 1359.38 | -6600.62 | 11.18 | 0.00 | 5.452 | 0.000000 |
| Gangapur 220kV | 06/01/2020 14:00:00 | 57 | 59062.5 | 7942.5 | 1796.88 | -6145.62 | 10.41 | 0.00 | 5.452 | 0.000000 |
| Gangapur 220kV | 06/01/2020 14:15:00 | 58 | 59062.5 | 8015.0 | 2056.25 | -5958.75 | 10.09 | 0.00 | 16.000 | 0.000000 |
| Gangapur 220kV | 06/01/2020 14:30:00 | 59 | 59062.5 | 8015.0 | 1759.38 | -6255.62 | 10.59 | 0.00 | 6.035 | 0.000000 |
| Gangapur 220kV | 06/01/2020 14:45:00 | 60 | 59062.5 | 7990.0 | 1837.5 | -6152.5 | 10.42 | 0.00 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Gangapur 220kV | 06/01/2020 15:00:00 | 61 | 59062.5 | 8015.0 | 2090.62 | -5924.38 | 10.03 | 0.00 | 3.367 | 0.000000 |
| Gangapur 220kV | 06/01/2020 15:15:00 | 62 | 59062.5 | 7942.5 | 1859.38 | -6083.12 | 10.3 | 0.00 | 3.904 | 0.000000 |
| Gangapur 220kV | 06/01/2020 15:30:00 | 63 | 59062.5 | 7967.5 | 2278.12 | -5689.38 | 9.63 | 0.00 | 4.482 | 0.000000 |
| Gangapur 220kV | 06/01/2020 15:45:00 | 64 | 59062.5 | 8017.5 | 3625.0 | -4392.5 | 7.44 | 0.00 | 4.225 | 0.000000 |
| Gangapur 220kV | 06/01/2020 16:00:00 | 65 | 59062.5 | 7960.0 | 4840.62 | -3119.38 | 5.28 | 0.00 | 2.895 | 0.000000 |
| Gangapur 220kV | 06/01/2020 16:15:00 | 66 | 59062.5 | 7942.5 | 5187.5 | -2755.0 | 4.66 | 0.00 | 6.089 | 0.000000 |
| Gangapur 220kV | 06/01/2020 16:30:00 | 67 | 59062.5 | 8015.0 | 4828.12 | -3186.88 | 5.4 | 0.00 | -8.000 | 0.000000 |
| Gangapur 220kV | 06/01/2020 16:45:00 | 68 | 59062.5 | 8015.0 | 3787.5 | -4227.5 | 7.16 | 0.00 | -4.178 | 0.000000 |
| Gangapur 220kV | 06/01/2020 17:00:00 | 69 | 59062.5 | 7990.0 | 2868.75 | -5121.25 | 8.67 | 0.00 | 1.742 | 0.000000 |
| Gangapur 220kV | 06/01/2020 17:15:00 | 70 | 59062.5 | 8015.0 | 2075.0 | -5940.0 | 10.06 | 0.00 | 2.903 | 0.000000 |
| Gangapur 220kV | 06/01/2020 17:30:00 | 71 | 59062.5 | 7942.5 | 1471.88 | -6470.62 | 10.96 | 0.00 | -4.178 | 0.000000 |
| Gangapur 220kV | 06/01/2020 17:45:00 | 72 | 59062.5 | 7967.5 | 1568.75 | -6398.75 | 10.83 | 0.00 | -2.323 | 0.000000 |
| Gangapur 220kV | 06/01/2020 18:00:00 | 73 | 59062.5 | 8017.5 | 2346.88 | -5670.62 | 9.6 | 0.00 | -2.903 | 0.000000 |
| Gangapur 220kV | 06/01/2020 18:15:00 | 74 | 59062.5 | 7960.0 | 2818.75 | -5141.25 | 8.7 | 0.00 | 1.161 | 1337.030863 |
| Gangapur 220kV | 06/01/2020 18:30:00 | 75 | 59062.5 | 7942.5 | 2681.25 | -5261.25 | 8.91 | 0.00 | 2.903 | 4481.183577 |
| Gangapur 220kV | 06/01/2020 18:45:00 | 76 | 59062.5 | 8015.0 | 2221.88 | -5793.12 | 9.81 | 0.00 | 2.903 | 116.807957 |
| Gangapur 220kV | 06/01/2020 19:00:00 | 77 | 59062.5 | 7967.5 | 2259.38 | -5708.12 | 9.66 | 0.00 | -1.161 | 0.000000 |
| Gangapur 220kV | 06/01/2020 19:15:00 | 78 | 59062.5 | 8017.5 | 2865.62 | -5151.88 | 8.72 | 0.00 | -4.178 | 0.000000 |
| Gangapur 220kV | 06/01/2020 19:30:00 | 79 | 59062.5 | 7960.0 | 3321.88 | -4638.12 | 7.85 | 0.00 | -2.323 | 0.000000 |
| Gangapur 220kV | 06/01/2020 19:45:00 | 80 | 59062.5 | 7942.5 | 2584.38 | -5358.12 | 9.07 | 0.00 | -4.178 | 0.000000 |
| Gangapur 220kV | 06/01/2020 20:00:00 | 81 | 59062.5 | 8015.0 | 1721.88 | -6293.12 | 10.66 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Gangapur 220kV | 06/01/2020 20:15:00 | 82 | 59062.5 | 8015.0 | 1309.38 | -6705.62 | 11.35 | 0.00 | -5.770 | 0.000000 |
| Gangapur 220kV | 06/01/2020 20:30:00 | 83 | 59062.5 | 7990.0 | 1546.88 | -6443.12 | 10.91 | 0.00 | 5.770 | 877.895568 |
| Gangapur 220kV | 06/01/2020 20:45:00 | 84 | 59062.5 | 8015.0 | 1381.25 | -6633.75 | 11.23 | 0.00 | 4.178 | 2743.409509 |
| Gangapur 220kV | 06/01/2020 21:00:00 | 85 | 59062.5 | 7942.5 | 940.62 | -7001.88 | 11.86 | 0.00 | 3.222 | 1531.853418 |
| Gangapur 220kV | 06/01/2020 21:15:00 | 86 | 59062.5 | 7967.5 | 1350.0 | -6617.5 | 11.2 | 0.00 | -1.742 | 0.000000 |
| Gangapur 220kV | 06/01/2020 21:30:00 | 87 | 59062.5 | 8017.5 | 1650.0 | -6367.5 | 10.78 | 0.00 | 0.000 | 0.000000 |
| Gangapur 220kV | 06/01/2020 21:45:00 | 88 | 59062.5 | 7960.0 | 1725.0 | -6235.0 | 10.56 | 0.00 | 1.161 | 0.000000 |
| Gangapur 220kV | 06/01/2020 22:00:00 | 89 | 59062.5 | 8015.0 | 1665.62 | -6349.38 | 10.75 | 0.00 | 4.815 | 3717.733920 |
| Gangapur 220kV | 06/01/2020 22:15:00 | 90 | 59062.5 | 8015.0 | 1887.5 | -6127.5 | 10.37 | 0.00 | 3.859 | 3701.629192 |
| Gangapur 220kV | 06/01/2020 22:30:00 | 91 | 59062.5 | 7990.0 | 1890.62 | -6099.38 | 10.33 | 0.00 | 1.742 | 0.000000 |
| Gangapur 220kV | 06/01/2020 22:45:00 | 92 | 59062.5 | 8015.0 | 1765.62 | -6249.38 | 10.58 | 0.00 | -2.323 | 0.000000 |
| Gangapur 220kV | 06/01/2020 23:00:00 | 93 | 59062.5 | 7942.5 | 2243.75 | -5698.75 | 9.65 | 0.00 | -2.903 | 0.000000 |
| Gangapur 220kV | 06/01/2020 23:15:00 | 94 | 59062.5 | 7967.5 | 3840.62 | -4126.88 | 6.99 | 0.00 | 2.323 | 0.000000 |
| Gangapur 220kV | 06/01/2020 23:30:00 | 95 | 59062.5 | 8017.5 | 4381.25 | -3636.25 | 6.16 | 0.00 | -3.222 | 0.000000 |
| Gangapur 220kV | 06/01/2020 23:45:00 | 96 | 59062.5 | 7960.0 | 4343.75 | -3616.25 | 6.12 | 0.00 | 2.323 | 0.000000 |
| Gangapur 220kV | 07/01/2020 00:00:00 | 1 | 59062.5 | 7937.5 | 3678.12 | -4259.38 | 7.21 | 0.00 | -0.549 | 0.000000 |
| Gangapur 220kV | 07/01/2020 00:15:00 | 2 | 59062.5 | 7987.5 | 3956.25 | -4031.25 | 6.83 | 0.00 | -1.647 | 0.000000 |
| Gangapur 220kV | 07/01/2020 00:30:00 | 3 | 59062.5 | 7937.5 | 3315.62 | -4621.88 | 7.83 | 0.00 | -3.073 | 0.000000 |
| Gangapur 220kV | 07/01/2020 00:45:00 | 4 | 59062.5 | 7987.5 | 2453.12 | -5534.38 | 9.37 | 0.00 | -2.744 | 0.000000 |
| Gangapur 220kV | 07/01/2020 01:00:00 | 5 | 59062.5 | 8055.0 | 2437.5 | -5617.5 | 9.51 | 0.00 | -4.058 | 0.000000 |
| Gangapur 220kV | 07/01/2020 01:15:00 | 6 | 59062.5 | 8037.5 | 2646.88 | -5390.62 | 9.13 | 0.00 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Gangapur 220kV | 07/01/2020 01:30:00 | 7 | 59062.5 | 8110.0 | 3381.25 | -4728.75 | 8.01 | 0.00 | -3.401 | 0.000000 |
| Gangapur 220kV | 07/01/2020 01:45:00 | 8 | 59062.5 | 8162.5 | 4112.5 | -4050.0 | 6.86 | 0.00 | 3.730 | 0.000000 |
| Gangapur 220kV | 07/01/2020 02:00:00 | 9 | 59062.5 | 8162.5 | 4625.0 | -3537.5 | 5.99 | 0.00 | 3.073 | 770.140116 |
| Gangapur 220kV | 07/01/2020 02:15:00 | 10 | 59062.5 | 8037.5 | 4150.0 | -3887.5 | 6.58 | 0.00 | 3.073 | 378.446868 |
| Gangapur 220kV | 07/01/2020 02:30:00 | 11 | 59062.5 | 8062.5 | 4031.25 | -4031.25 | 6.83 | 0.00 | 3.401 | 548.903322 |
| Gangapur 220kV | 07/01/2020 02:45:00 | 12 | 59062.5 | 8112.5 | 3284.38 | -4828.12 | 8.17 | 0.00 | 2.745 | 655.689288 |
| Gangapur 220kV | 07/01/2020 03:00:00 | 13 | 59062.5 | 8055.0 | 2700.0 | -5355.0 | 9.07 | 0.00 | 1.647 | 0.000000 |
| Gangapur 220kV | 07/01/2020 03:15:00 | 14 | 59062.5 | 8037.5 | 2856.25 | -5181.25 | 8.77 | 0.00 | 2.196 | 332.391084 |
| Gangapur 220kV | 07/01/2020 03:30:00 | 15 | 59062.5 | 8110.0 | 3193.75 | -4916.25 | 8.32 | 0.00 | 1.647 | 419.605247 |
| Gangapur 220kV | 07/01/2020 03:45:00 | 16 | 59062.5 | 8162.5 | 3721.88 | -4440.62 | 7.52 | 0.00 | 1.098 | 0.000000 |
| Gangapur 220kV | 07/01/2020 04:00:00 | 17 | 59062.5 | 8162.5 | 3915.62 | -4246.88 | 7.19 | 0.00 | 1.647 | 1555.207090 |
| Gangapur 220kV | 07/01/2020 04:15:00 | 18 | 59062.5 | 8055.0 | 3721.88 | -4333.12 | 7.34 | 0.00 | 2.210 | 3102.332399 |
| Gangapur 220kV | 07/01/2020 04:30:00 | 19 | 59062.5 | 8037.5 | 3971.88 | -4065.62 | 6.88 | 0.00 | 3.730 | 4110.308389 |
| Gangapur 220kV | 07/01/2020 04:45:00 | 20 | 59062.5 | 8110.0 | 3762.5 | -4347.5 | 7.36 | 0.00 | -1.098 | 0.000000 |
| Gangapur 220kV | 07/01/2020 05:00:00 | 21 | 59062.5 | 8162.5 | 2893.75 | -5268.75 | 8.92 | 0.00 | -2.744 | 0.000000 |
| Gangapur 220kV | 07/01/2020 05:15:00 | 22 | 59062.5 | 8162.5 | 2218.75 | -5943.75 | 10.06 | 0.00 | 3.730 | 3053.414052 |
| Gangapur 220kV | 07/01/2020 05:30:00 | 23 | 59062.5 | 8037.5 | 2400.0 | -5637.5 | 9.54 | 0.00 | 3.073 | 6506.240081 |
| Gangapur 220kV | 07/01/2020 05:45:00 | 24 | 59062.5 | 8062.5 | 4118.75 | -3943.75 | 6.68 | 0.00 | 3.730 | 3535.808693 |
| Gangapur 220kV | 07/01/2020 06:00:00 | 25 | 59062.5 | 8112.5 | 7112.5 | -1000.0 | 1.69 | 0.00 | -5.372 | 0.000000 |
| Gangapur 220kV | 07/01/2020 06:15:00 | 26 | 59062.5 | 8055.0 | 8975.0 | 920.0 | 1.56 | 0.00 | 4.556 | 0.000000 |
| Gangapur 220kV | 07/01/2020 06:30:00 | 27 | 59062.5 | 8037.5 | 9000.0 | 962.5 | 1.63 | 0.00 | 7.148 | 0.000000 |

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| Gangapur 220kV | 07/01/2020 06:45:00 | 28 | 59062.5 | 8110.0 | 8453.12 | 343.12 | 0.58 | 0.00 | 7.821 | 0.000000 |
| Gangapur 220kV | 07/01/2020 07:00:00 | 29 | 59062.5 | 8162.5 | 7896.88 | -265.62 | 0.45 | 0.00 | 5.372 | 705.871288 |
| Gangapur 220kV | 07/01/2020 07:15:00 | 30 | 59062.5 | 8162.5 | 8200.0 | 37.5 | 0.06 | 0.00 | 16.000 | 0.000000 |
| Gangapur 220kV | 07/01/2020 07:30:00 | 31 | 59062.5 | 8055.0 | 7453.12 | -601.88 | 1.02 | 0.00 | 9.296 | 0.000000 |
| Gangapur 220kV | 07/01/2020 07:45:00 | 32 | 59062.5 | 8037.5 | 6118.75 | -1918.75 | 3.25 | 0.00 | 9.794 | 0.000000 |
| Gangapur 220kV | 07/01/2020 08:00:00 | 33 | 59062.5 | 8110.0 | 5403.12 | -2706.88 | 4.58 | 0.00 | 3.593 | 0.000000 |
| Gangapur 220kV | 07/01/2020 08:15:00 | 34 | 59062.5 | 8162.5 | 5187.5 | -2975.0 | 5.04 | 0.00 | 3.401 | 0.000000 |
| Gangapur 220kV | 07/01/2020 08:30:00 | 35 | 59062.5 | 8162.5 | 4815.62 | -3346.88 | 5.67 | 0.00 | 3.245 | 0.000000 |
| Gangapur 220kV | 07/01/2020 08:45:00 | 36 | 59062.5 | 8037.5 | 3546.88 | -4490.62 | 7.6 | 0.00 | 0.000 | 0.000000 |
| Gangapur 220kV | 07/01/2020 09:00:00 | 37 | 59062.5 | 8062.5 | 2225.0 | -5837.5 | 9.88 | 0.00 | 2.745 | 0.000000 |
| Gangapur 220kV | 07/01/2020 09:15:00 | 38 | 59062.5 | 8112.5 | 2512.5 | -5600.0 | 9.48 | 0.00 | 4.715 | 0.000000 |
| Gangapur 220kV | 07/01/2020 09:30:00 | 39 | 59062.5 | 8055.0 | 2506.25 | -5548.75 | 9.39 | 0.00 | 3.981 | 0.000000 |
| Gangapur 220kV | 07/01/2020 09:45:00 | 40 | 59062.5 | 8037.5 | 2246.88 | -5790.62 | 9.8 | 0.00 | 3.730 | 0.000000 |
| Gangapur 220kV | 07/01/2020 10:00:00 | 41 | 59062.5 | 8110.0 | 1846.88 | -6263.12 | 10.6 | 0.00 | 1.780 | 0.000000 |
| Gangapur 220kV | 07/01/2020 10:15:00 | 42 | 59062.5 | 8162.5 | 1846.88 | -6315.62 | 10.69 | 0.00 | 5.643 | 0.000000 |
| Gangapur 220kV | 07/01/2020 10:30:00 | 43 | 59062.5 | 8162.5 | 1881.25 | -6281.25 | 10.63 | 0.00 | 4.976 | 0.000000 |
| Gangapur 220kV | 07/01/2020 10:45:00 | 44 | 59062.5 | 7955.0 | 2371.88 | -5583.12 | 9.45 | 0.00 | 4.415 | 0.000000 |
| Gangapur 220kV | 07/01/2020 11:00:00 | 45 | 59062.5 | 7942.5 | 1803.12 | -6139.38 | 10.39 | 0.00 | 4.476 | 0.000000 |
| Gangapur 220kV | 07/01/2020 11:15:00 | 46 | 59062.5 | 7967.5 | 1562.5 | -6405.0 | 10.84 | 0.00 | 4.826 | 0.000000 |
| Gangapur 220kV | 07/01/2020 11:30:00 | 47 | 59062.5 | 8017.5 | 1581.25 | -6436.25 | 10.9 | 0.00 | 2.289 | 0.000000 |
| Gangapur 220kV | 07/01/2020 11:45:00 | 48 | 59062.5 | 7960.0 | 2121.88 | -5838.12 | 9.88 | 0.00 | -0.549 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Gangapur 220kV | 07/01/2020 12:00:00 | 49 | 59062.5 | 7942.5 | 1796.88 | -6145.62 | 10.41 | 0.00 | 4.727 | 0.000000 |
| Gangapur 220kV | 07/01/2020 12:15:00 | 50 | 59062.5 | 8015.0 | 1659.38 | -6355.62 | 10.76 | 0.00 | 4.777 | 0.000000 |
| Gangapur 220kV | 07/01/2020 12:30:00 | 51 | 59062.5 | 7990.0 | 743.75 | -7246.25 | 12.27 | 0.00 | 4.798 | 0.000000 |
| Gangapur 220kV | 07/01/2020 12:45:00 | 52 | 59062.5 | 8015.0 | 753.12 | -7261.88 | 12.3 | 0.00 | -3.401 | 0.000000 |
| Gangapur 220kV | 07/01/2020 13:00:00 | 53 | 59062.5 | 7942.5 | 687.5 | -7255.0 | 12.28 | 0.00 | -2.431 | 0.000000 |
| Gangapur 220kV | 07/01/2020 13:15:00 | 54 | 59062.5 | 7967.5 | 665.62 | -7301.88 | 12.36 | 0.00 | -4.387 | 0.000000 |
| Gangapur 220kV | 07/01/2020 13:30:00 | 55 | 59062.5 | 8017.5 | 1012.5 | -7005.0 | 11.86 | 0.00 | -3.401 | 0.000000 |
| Gangapur 220kV | 07/01/2020 13:45:00 | 56 | 59062.5 | 7960.0 | 1065.62 | -6894.38 | 11.67 | 0.00 | -5.044 | 0.000000 |
| Gangapur 220kV | 07/01/2020 14:00:00 | 57 | 59062.5 | 7942.5 | 1590.62 | -6351.88 | 10.75 | 0.00 | 4.215 | 0.000000 |
| Gangapur 220kV | 07/01/2020 14:15:00 | 58 | 59062.5 | 8015.0 | 1643.75 | -6371.25 | 10.79 | 0.00 | 9.552 | 0.000000 |
| Gangapur 220kV | 07/01/2020 14:30:00 | 59 | 59062.5 | 8015.0 | 943.75 | -7071.25 | 11.97 | 0.00 | 6.358 | 0.000000 |
| Gangapur 220kV | 07/01/2020 14:45:00 | 60 | 59062.5 | 7990.0 | 1096.88 | -6893.12 | 11.67 | 0.00 | 2.744 | 0.000000 |
| Gangapur 220kV | 07/01/2020 15:00:00 | 61 | 59062.5 | 8015.0 | 1412.5 | -6602.5 | 11.18 | 0.00 | -3.073 | 0.000000 |
| Gangapur 220kV | 07/01/2020 15:15:00 | 62 | 59062.5 | 7942.5 | 1381.25 | -6561.25 | 11.11 | 0.00 | -4.058 | 0.000000 |
| Gangapur 220kV | 07/01/2020 15:30:00 | 63 | 59062.5 | 7967.5 | 1293.75 | -6673.75 | 11.3 | 0.00 | -4.831 | 0.000000 |
| Gangapur 220kV | 07/01/2020 15:45:00 | 64 | 59062.5 | 8017.5 | 1281.25 | -6736.25 | 11.41 | 0.00 | -5.372 | 0.000000 |
| Gangapur 220kV | 07/01/2020 16:00:00 | 65 | 59062.5 | 7960.0 | 1075.0 | -6885.0 | 11.66 | 0.00 | 2.196 | 0.000000 |
| Gangapur 220kV | 07/01/2020 16:15:00 | 66 | 59062.5 | 7942.5 | 656.25 | -7286.25 | 12.34 | 0.00 | -3.401 | 0.000000 |
| Gangapur 220kV | 07/01/2020 16:30:00 | 67 | 59062.5 | 8015.0 | 450.0 | -7565.0 | 12.81 | 0.00 | 4.738 | 0.000000 |
| Gangapur 220kV | 07/01/2020 16:45:00 | 68 | 59062.5 | 8015.0 | 162.5 | -7852.5 | 13.3 | 0.00 | 7.343 | 0.000000 |
| Gangapur 220kV | 07/01/2020 17:00:00 | 69 | 59062.5 | 7990.0 | 50.0 | -7940.0 | 13.44 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Gangapur 220kV | 07/01/2020 17:15:00 | 70 | 59062.5 | 8015.0 | 9.38 | -8005.62 | 13.55 | 0.00 | 2.744 | 1331.703882 |
| Gangapur 220kV | 07/01/2020 17:30:00 | 71 | 59062.5 | 7942.5 | 40.62 | -7901.88 | 13.38 | 0.00 | 3.401 | 521.756682 |
| Gangapur 220kV | 07/01/2020 17:45:00 | 72 | 59062.5 | 7967.5 | 31.25 | -7936.25 | 13.44 | 0.00 | -2.745 | 0.000000 |
| Gangapur 220kV | 07/01/2020 18:00:00 | 73 | 59062.5 | 8017.5 | 0.0 | -8017.5 | 13.57 | 0.00 | -3.073 | 0.000000 |
| Gangapur 220kV | 07/01/2020 18:15:00 | 74 | 59062.5 | 7960.0 | 0.0 | -7960.0 | 13.48 | 0.00 | -5.372 | 0.000000 |
| Gangapur 220kV | 07/01/2020 18:30:00 | 75 | 59062.5 | 7942.5 | 0.0 | -7942.5 | 13.45 | 0.00 | 3.401 | 0.000000 |
| Gangapur 220kV | 07/01/2020 18:45:00 | 76 | 59062.5 | 8015.0 | 0.0 | -8015.0 | 13.57 | 0.00 | -3.401 | 0.000000 |
| Gangapur 220kV | 07/01/2020 19:00:00 | 77 | 59062.5 | 7967.5 | 128.12 | -7839.38 | 13.27 | 0.00 | -3.730 | 0.000000 |
| Gangapur 220kV | 07/01/2020 19:15:00 | 78 | 59062.5 | 8017.5 | 487.5 | -7530.0 | 12.75 | 0.00 | -4.715 | 0.000000 |
| Gangapur 220kV | 07/01/2020 19:30:00 | 79 | 59062.5 | 7960.0 | 596.88 | -7363.12 | 12.47 | 0.00 | -4.058 | 0.000000 |
| Gangapur 220kV | 07/01/2020 19:45:00 | 80 | 59062.5 | 7942.5 | 256.25 | -7686.25 | 13.01 | 0.00 | -2.210 | 0.000000 |
| Gangapur 220kV | 07/01/2020 20:00:00 | 81 | 59062.5 | 8015.0 | 515.62 | -7499.38 | 12.7 | 0.00 | -2.348 | 0.000000 |
| Gangapur 220kV | 07/01/2020 20:15:00 | 82 | 59062.5 | 8015.0 | 328.12 | -7686.88 | 13.01 | 0.00 | 4.387 | 11996.544653 |
| Gangapur 220kV | 07/01/2020 20:30:00 | 83 | 59062.5 | 7990.0 | 87.5 | -7902.5 | 13.38 | 0.00 | 3.816 | 16126.544984 |
| Gangapur 220kV | 07/01/2020 20:45:00 | 84 | 59062.5 | 8015.0 | 28.12 | -7986.88 | 13.52 | 0.00 | 3.401 | 3924.241891 |
| Gangapur 220kV | 07/01/2020 21:00:00 | 85 | 59062.5 | 7942.5 | 0.0 | -7942.5 | 13.45 | 0.00 | -4.058 | 0.000000 |
| Gangapur 220kV | 07/01/2020 21:15:00 | 86 | 59062.5 | 7967.5 | 0.0 | -7967.5 | 13.49 | 0.00 | 1.647 | 4223.054717 |
| Gangapur 220kV | 07/01/2020 21:30:00 | 87 | 59062.5 | 8017.5 | 3.12 | -8014.38 | 13.57 | 0.00 | 2.196 | 2555.657653 |
| Gangapur 220kV | 07/01/2020 21:45:00 | 88 | 59062.5 | 7960.0 | 103.12 | -7856.88 | 13.3 | 0.00 | -2.196 | 0.000000 |
| Gangapur 220kV | 07/01/2020 22:00:00 | 89 | 59062.5 | 8015.0 | 525.0 | -7490.0 | 12.68 | 0.00 | -3.257 | 0.000000 |
| Gangapur 220kV | 07/01/2020 22:15:00 | 90 | 59062.5 | 8015.0 | 1181.25 | -6833.75 | 11.57 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Gangapur 220kV | 07/01/2020 22:30:00 | 91 | 59062.5 | 7990.0 | 2693.75 | -5296.25 | 8.97 | 0.00 | -1.098 | 0.000000 |
| Gangapur 220kV | 07/01/2020 22:45:00 | 92 | 59062.5 | 8015.0 | 4834.38 | -3180.62 | 5.39 | 0.00 | -1.647 | 0.000000 |
| Gangapur 220kV | 07/01/2020 23:00:00 | 93 | 59062.5 | 7942.5 | 6612.5 | -1330.0 | 2.25 | 0.00 | -3.401 | 0.000000 |
| Gangapur 220kV | 07/01/2020 23:15:00 | 94 | 59062.5 | 7967.5 | 6350.0 | -1617.5 | 2.74 | 0.00 | 1.647 | 0.000000 |
| Gangapur 220kV | 07/01/2020 23:30:00 | 95 | 59062.5 | 8017.5 | 6353.12 | -1664.38 | 2.82 | 0.00 | -2.196 | 0.000000 |
| Gangapur 220kV | 07/01/2020 23:45:00 | 96 | 59062.5 | 7960.0 | 6668.75 | -1291.25 | 2.19 | 0.00 | -0.549 | 0.000000 |
| Gangapur 220kV | 08/01/2020 00:00:00 | 1 | 59062.5 | 8110.0 | 6543.75 | -1566.25 | 2.65 | 0.00 | -2.220 | 0.000000 |
| Gangapur 220kV | 08/01/2020 00:15:00 | 2 | 59062.5 | 8162.5 | 6559.38 | -1603.12 | 2.71 | 0.00 | -3.101 | 0.000000 |
| Gangapur 220kV | 08/01/2020 00:30:00 | 3 | 59062.5 | 8162.5 | 6096.88 | -2065.62 | 3.5 | 0.00 | -3.101 | 0.000000 |
| Gangapur 220kV | 08/01/2020 00:45:00 | 4 | 59062.5 | 8037.5 | 5028.12 | -3009.38 | 5.1 | 0.00 | -2.424 | 0.000000 |
| Gangapur 220kV | 08/01/2020 01:00:00 | 5 | 59062.5 | 8062.5 | 6837.5 | -1225.0 | 2.07 | 0.00 | -2.170 | 0.000000 |
| Gangapur 220kV | 08/01/2020 01:15:00 | 6 | 59062.5 | 8037.5 | 7553.12 | -484.38 | 0.82 | 0.00 | -1.761 | 0.000000 |
| Gangapur 220kV | 08/01/2020 01:30:00 | 7 | 59062.5 | 8110.0 | 9187.5 | 1077.5 | 1.82 | 0.00 | -1.665 | 0.000000 |
| Gangapur 220kV | 08/01/2020 01:45:00 | 8 | 59062.5 | 8162.5 | 8081.25 | -81.25 | 0.14 | 0.00 | -1.665 | 0.000000 |
| Gangapur 220kV | 08/01/2020 02:00:00 | 9 | 59062.5 | 8162.5 | 9250.0 | 1087.5 | 1.84 | 0.00 | -1.110 | 0.000000 |
| Gangapur 220kV | 08/01/2020 02:15:00 | 10 | 59062.5 | 8037.5 | 11153.12 | 3115.62 | 5.28 | 0.00 | -1.347 | 0.000000 |
| Gangapur 220kV | 08/01/2020 02:30:00 | 11 | 59062.5 | 8062.5 | 10915.62 | 2853.12 | 4.83 | 0.00 | -3.101 | 0.000000 |
| Gangapur 220kV | 08/01/2020 02:45:00 | 12 | 59062.5 | 8112.5 | 12343.75 | 4231.25 | 7.16 | 0.00 | -2.220 | 0.000000 |
| Gangapur 220kV | 08/01/2020 03:00:00 | 13 | 59062.5 | 8055.0 | 14593.75 | 6538.75 | 11.07 | 0.00 | -3.428 | 0.000000 |
| Gangapur 220kV | 08/01/2020 03:15:00 | 14 | 59062.5 | 8037.5 | 15918.75 | 7881.25 | 13.34 | 0.00 | -2.220 | 0.000000 |
| Gangapur 220kV | 08/01/2020 03:30:00 | 15 | 59062.5 | 8110.0 | 14665.62 | 6555.62 | 11.1 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Gangapur 220kV | 08/01/2020 03:45:00 | 16 | 59062.5 | 8162.5 | 13640.62 | 5478.12 | 9.28 | 0.00 | -2.775 | 0.000000 |
| Gangapur 220kV | 08/01/2020 04:00:00 | 17 | 59062.5 | 8162.5 | 11590.62 | 3428.12 | 5.8 | 0.00 | -3.101 | 0.000000 |
| Gangapur 220kV | 08/01/2020 04:15:00 | 18 | 59062.5 | 8055.0 | 10665.62 | 2610.62 | 4.42 | 0.00 | -1.665 | 0.000000 |
| Gangapur 220kV | 08/01/2020 04:30:00 | 19 | 59062.5 | 8037.5 | 8546.88 | 509.38 | 0.86 | 0.00 | -2.220 | 0.000000 |
| Gangapur 220kV | 08/01/2020 04:45:00 | 20 | 59062.5 | 8110.0 | 7268.75 | -841.25 | 1.42 | 0.00 | -2.775 | 0.000000 |
| Gangapur 220kV | 08/01/2020 05:00:00 | 21 | 59062.5 | 8162.5 | 5306.25 | -2856.25 | 4.84 | 0.00 | -1.110 | 0.000000 |
| Gangapur 220kV | 08/01/2020 05:15:00 | 22 | 59062.5 | 8162.5 | 3675.0 | -4487.5 | 7.6 | 0.00 | 2.775 | 216.243905 |
| Gangapur 220kV | 08/01/2020 05:30:00 | 23 | 59062.5 | 8037.5 | 3171.88 | -4865.62 | 8.24 | 0.00 | -3.428 | 0.000000 |
| Gangapur 220kV | 08/01/2020 05:45:00 | 24 | 59062.5 | 8062.5 | 2987.5 | -5075.0 | 8.59 | 0.00 | -2.775 | 0.000000 |
| Gangapur 220kV | 08/01/2020 06:00:00 | 25 | 59062.5 | 8112.5 | 2821.88 | -5290.62 | 8.96 | 0.00 | -2.220 | 0.000000 |
| Gangapur 220kV | 08/01/2020 06:15:00 | 26 | 59062.5 | 8055.0 | 2350.0 | -5705.0 | 9.66 | 0.00 | 2.220 | 1168.069812 |
| Gangapur 220kV | 08/01/2020 06:30:00 | 27 | 59062.5 | 8037.5 | 1812.5 | -6225.0 | 10.54 | 0.00 | 5.387 | 11204.765550 |
| Gangapur 220kV | 08/01/2020 06:45:00 | 28 | 59062.5 | 8110.0 | 2328.12 | -5781.88 | 9.79 | 0.00 | -4.734 | 0.000000 |
| Gangapur 220kV | 08/01/2020 07:00:00 | 29 | 59062.5 | 8162.5 | 3484.38 | -4678.12 | 7.92 | 0.00 | -4.407 | 0.000000 |
| Gangapur 220kV | 08/01/2020 07:15:00 | 30 | 59062.5 | 8162.5 | 3990.62 | -4171.88 | 7.06 | 0.00 | 5.061 | 7353.287051 |
| Gangapur 220kV | 08/01/2020 07:30:00 | 31 | 59062.5 | 8055.0 | 4468.75 | -3586.25 | 6.07 | 0.00 | 5.714 | 6048.211466 |
| Gangapur 220kV | 08/01/2020 07:45:00 | 32 | 59062.5 | 8037.5 | 4515.62 | -3521.88 | 5.96 | 0.00 | 5.061 | 2335.127602 |
| Gangapur 220kV | 08/01/2020 08:00:00 | 33 | 59062.5 | 8110.0 | 4221.88 | -3888.12 | 6.58 | 0.00 | 2.775 | 0.000000 |
| Gangapur 220kV | 08/01/2020 08:15:00 | 34 | 59062.5 | 8162.5 | 4000.0 | -4162.5 | 7.05 | 0.00 | 2.775 | 0.000000 |
| Gangapur 220kV | 08/01/2020 08:30:00 | 35 | 59062.5 | 8162.5 | 3493.75 | -4668.75 | 7.9 | 0.00 | 5.387 | 0.000000 |
| Gangapur 220kV | 08/01/2020 08:45:00 | 36 | 59062.5 | 8037.5 | 2137.5 | -5900.0 | 9.99 | 0.00 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Gangapur 220kV | 08/01/2020 09:00:00 | 37 | 59062.5 | 8062.5 | 1406.25 | -6656.25 | 11.27 | 0.00 | 7.673 | 0.000000 |
| Gangapur 220kV | 08/01/2020 09:15:00 | 38 | 59062.5 | 8112.5 | 1337.5 | -6775.0 | 11.47 | 0.00 | 7.673 | 0.000000 |
| Gangapur 220kV | 08/01/2020 09:30:00 | 39 | 59062.5 | 8055.0 | 1803.12 | -6251.88 | 10.59 | 0.00 | 3.101 | 0.000000 |
| Gangapur 220kV | 08/01/2020 09:45:00 | 40 | 59062.5 | 8037.5 | 2165.62 | -5871.88 | 9.94 | 0.00 | -3.101 | 0.000000 |
| Gangapur 220kV | 08/01/2020 10:00:00 | 41 | 59062.5 | 8110.0 | 2728.12 | -5381.88 | 9.11 | 0.00 | -3.101 | 0.000000 |
| Gangapur 220kV | 08/01/2020 10:15:00 | 42 | 59062.5 | 8162.5 | 4500.0 | -3662.5 | 6.2 | 0.00 | -3.101 | 0.000000 |
| Gangapur 220kV | 08/01/2020 10:30:00 | 43 | 59062.5 | 8162.5 | 5975.0 | -2187.5 | 3.7 | 0.00 | -1.665 | 0.000000 |
| Gangapur 220kV | 08/01/2020 10:45:00 | 44 | 59062.5 | 7955.0 | 6925.0 | -1030.0 | 1.74 | 0.00 | 0.000 | 0.000000 |
| Gangapur 220kV | 08/01/2020 11:00:00 | 45 | 59062.5 | 7942.5 | 8734.38 | 791.88 | 1.34 | 0.00 | -1.486 | -270.234047 |
| Gangapur 220kV | 08/01/2020 11:15:00 | 46 | 59062.5 | 7967.5 | 8315.62 | 348.12 | 0.59 | 0.00 | -1.305 | -159.385399 |
| Gangapur 220kV | 08/01/2020 11:30:00 | 47 | 59062.5 | 8017.5 | 8525.0 | 507.5 | 0.86 | 0.00 | -2.425 | -204.381944 |
| Gangapur 220kV | 08/01/2020 11:45:00 | 48 | 59062.5 | 7960.0 | 7959.38 | -0.62 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Gangapur 220kV | 08/01/2020 12:00:00 | 49 | 59062.5 | 7942.5 | 7243.75 | -698.75 | 1.18 | 0.00 | -2.083 | 0.000000 |
| Gangapur 220kV | 08/01/2020 12:15:00 | 50 | 59062.5 | 8015.0 | 7837.5 | -177.5 | 0.3 | 0.00 | -3.242 | 0.000000 |
| Gangapur 220kV | 08/01/2020 12:30:00 | 51 | 59062.5 | 7990.0 | 8371.88 | 381.88 | 0.65 | 0.00 | -1.330 | -81.241042 |
| Gangapur 220kV | 08/01/2020 12:45:00 | 52 | 59062.5 | 8015.0 | 7568.75 | -446.25 | 0.76 | 0.00 | -0.830 | 0.000000 |
| Gangapur 220kV | 08/01/2020 13:00:00 | 53 | 59062.5 | 7942.5 | 6556.25 | -1386.25 | 2.35 | 0.00 | 2.775 | 0.000000 |
| Gangapur 220kV | 08/01/2020 13:15:00 | 54 | 59062.5 | 7967.5 | 6556.25 | -1411.25 | 2.39 | 0.00 | 0.000 | 0.000000 |
| Gangapur 220kV | 08/01/2020 13:30:00 | 55 | 59062.5 | 8017.5 | 7421.88 | -595.62 | 1.01 | 0.00 | -1.012 | 0.000000 |
| Gangapur 220kV | 08/01/2020 13:45:00 | 56 | 59062.5 | 7960.0 | 8259.38 | 299.38 | 0.51 | 0.00 | -1.087 | -30.189889 |
| Gangapur 220kV | 08/01/2020 14:00:00 | 57 | 59062.5 | 7942.5 | 11228.12 | 3285.62 | 5.56 | 0.00 | -3.101 | -962.442714 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Gangapur 220kV | 08/01/2020 14:15:00 | 58 | 59062.5 | 8015.0 | 13940.62 | 5925.62 | 10.03 | 0.00 | -4.081 | -1254.630289 |
| Gangapur 220kV | 08/01/2020 14:30:00 | 59 | 59062.5 | 10195.0 | 15378.12 | 5183.12 | 8.78 | 0.00 | -2.996 | -2096.929488 |
| Gangapur 220kV | 08/01/2020 14:45:00 | 60 | 59062.5 | 9862.5 | 16765.62 | 6903.12 | 11.69 | 0.00 | -3.101 | -1047.498259 |
| Gangapur 220kV | 08/01/2020 15:00:00 | 61 | 59062.5 | 9780.0 | 17465.62 | 7685.62 | 13.01 | 0.00 | -1.879 | -1930.758183 |
| Gangapur 220kV | 08/01/2020 15:15:00 | 62 | 59062.5 | 9657.5 | 17268.75 | 7611.25 | 12.89 | 0.00 | -4.081 | -267.736890 |
| Gangapur 220kV | 08/01/2020 15:30:00 | 63 | 59062.5 | 9470.0 | 14037.5 | 4567.5 | 7.73 | 0.00 | 4.938 | 0.000000 |
| Gangapur 220kV | 08/01/2020 15:45:00 | 64 | 59062.5 | 9157.5 | 11815.62 | 2658.12 | 4.5 | 0.00 | 4.719 | 0.000000 |
| Gangapur 220kV | 08/01/2020 16:00:00 | 65 | 59062.5 | 8722.5 | 10509.38 | 1786.88 | 3.03 | 0.00 | 0.555 | 0.000000 |
| Gangapur 220kV | 08/01/2020 16:15:00 | 66 | 59062.5 | 8390.0 | 11218.75 | 2828.75 | 4.79 | 0.00 | -4.081 | -1320.434574 |
| Gangapur 220kV | 08/01/2020 16:30:00 | 67 | 59062.5 | 27112.5 | 10137.5 | -16975.0 | 28.74 | 5162.50 | -3.754 | 0.000000 |
| Gangapur 220kV | 08/01/2020 16:45:00 | 68 | 59062.5 | 26765.0 | 7468.75 | -19296.25 | 32.67 | 7483.75 | -8.000 | 0.000000 |
| Gangapur 220kV | 08/01/2020 17:00:00 | 69 | 59062.5 | 25862.5 | 5940.62 | -19921.88 | 33.73 | 8109.38 | 0.000 | 0.000000 |
| Gangapur 220kV | 08/01/2020 17:15:00 | 70 | 59062.5 | 25362.5 | 5750.0 | -19612.5 | 33.21 | 7800.00 | 4.081 | 3762.175296 |
| Gangapur 220kV | 08/01/2020 17:30:00 | 71 | 59062.5 | 25112.5 | 5465.62 | -19646.88 | 33.26 | 7834.38 | -5.387 | 0.000000 |
| Gangapur 220kV | 08/01/2020 17:45:00 | 72 | 59062.5 | 23862.5 | 5012.5 | -18850.0 | 31.92 | 7037.50 | -3.101 | 0.000000 |
| Gangapur 220kV | 08/01/2020 18:00:00 | 73 | 59062.5 | 32857.5 | 7306.25 | -25551.25 | 43.26 | 16178.44 | -2.775 | 0.000000 |
| Gangapur 220kV | 08/01/2020 18:15:00 | 74 | 59062.5 | 31547.5 | 8465.62 | -23081.88 | 39.08 | 12474.39 | -3.101 | 0.000000 |
| Gangapur 220kV | 08/01/2020 18:30:00 | 75 | 59062.5 | 30685.0 | 8065.62 | -22619.38 | 38.3 | 11780.64 | -2.220 | 0.000000 |
| Gangapur 220kV | 08/01/2020 18:45:00 | 76 | 59062.5 | 29882.5 | 7171.88 | -22710.62 | 38.45 | 11917.50 | 2.220 | 17902.203473 |
| Gangapur 220kV | 08/01/2020 19:00:00 | 77 | 59062.5 | 16362.5 | 6237.5 | -10125.0 | 17.14 | 632.81 | 1.110 | 0.000000 |
| Gangapur 220kV | 08/01/2020 19:15:00 | 78 | 59062.5 | 15612.5 | 6493.75 | -9118.75 | 15.44 | 129.69 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Gangapur 220kV | 08/01/2020 19:30:00 | 79 | 59062.5 | 15060.0 | 8409.38 | -6650.62 | 11.26 | 0.00 | -2.220 | 0.000000 |
| Gangapur 220kV | 08/01/2020 19:45:00 | 80 | 59062.5 | 14612.5 | 10178.12 | -4434.38 | 7.51 | 0.00 | -0.555 | 0.000000 |
| Gangapur 220kV | 08/01/2020 20:00:00 | 81 | 59062.5 | 14362.5 | 12043.75 | -2318.75 | 3.93 | 0.00 | 2.775 | 0.000000 |
| Gangapur 220kV | 08/01/2020 20:15:00 | 82 | 59062.5 | 13862.5 | 12246.88 | -1615.62 | 2.74 | 0.00 | 3.101 | 2701.448202 |
| Gangapur 220kV | 08/01/2020 20:30:00 | 83 | 59062.5 | 13612.5 | 11246.88 | -2365.62 | 4.01 | 0.00 | 4.408 | 5358.623332 |
| Gangapur 220kV | 08/01/2020 20:45:00 | 84 | 59062.5 | 13112.5 | 10234.38 | -2878.12 | 4.87 | 0.00 | 3.101 | 1883.441525 |
| Gangapur 220kV | 08/01/2020 21:00:00 | 85 | 59062.5 | 12907.5 | 8568.75 | -4338.75 | 7.35 | 0.00 | 3.101 | 0.000000 |
| Gangapur 220kV | 08/01/2020 21:15:00 | 86 | 59062.5 | 12757.5 | 7484.38 | -5273.12 | 8.93 | 0.00 | -0.555 | 0.000000 |
| Gangapur 220kV | 08/01/2020 21:30:00 | 87 | 59062.5 | 12632.5 | 9268.75 | -3363.75 | 5.7 | 0.00 | -1.110 | 0.000000 |
| Gangapur 220kV | 08/01/2020 21:45:00 | 88 | 59062.5 | 12480.0 | 11281.25 | -1198.75 | 2.03 | 0.00 | -1.110 | 0.000000 |
| Gangapur 220kV | 08/01/2020 22:00:00 | 89 | 59062.5 | 8110.0 | 11565.62 | 3455.62 | 5.85 | 0.00 | -2.489 | 0.000000 |
| Gangapur 220kV | 08/01/2020 22:15:00 | 90 | 59062.5 | 8162.5 | 11475.0 | 3312.5 | 5.61 | 0.00 | -2.775 | 0.000000 |
| Gangapur 220kV | 08/01/2020 22:30:00 | 91 | 59062.5 | 8162.5 | 11803.12 | 3640.62 | 6.16 | 0.00 | -2.223 | 0.000000 |
| Gangapur 220kV | 08/01/2020 22:45:00 | 92 | 59062.5 | 8037.5 | 10593.75 | 2556.25 | 4.33 | 0.00 | 1.110 | 0.000000 |
| Gangapur 220kV | 08/01/2020 23:00:00 | 93 | 59062.5 | 8062.5 | 9378.12 | 1315.62 | 2.23 | 0.00 | 1.110 | 0.000000 |
| Gangapur 220kV | 08/01/2020 23:15:00 | 94 | 59062.5 | 8112.5 | 8850.0 | 737.5 | 1.25 | 0.00 | 1.110 | 0.000000 |
| Gangapur 220kV | 08/01/2020 23:30:00 | 95 | 59062.5 | 8055.0 | 6881.25 | -1173.75 | 1.99 | 0.00 | 2.775 | 10.669998 |
| Gangapur 220kV | 08/01/2020 23:45:00 | 96 | 59062.5 | 8037.5 | 6131.25 | -1906.25 | 3.23 | 0.00 | 0.000 | 0.000000 |
| Gangapur 220kV | 09/01/2020 00:00:00 | 1 | 59062.5 | 8110.0 | 5081.25 | -3028.75 | 5.13 | 0.00 | -0.576 | 0.000000 |
| Gangapur 220kV | 09/01/2020 00:15:00 | 2 | 59062.5 | 8162.5 | 4125.0 | -4037.5 | 6.84 | 0.00 | -1.727 | 0.000000 |
| Gangapur 220kV | 09/01/2020 00:30:00 | 3 | 59062.5 | 8162.5 | 3443.75 | -4718.75 | 7.99 | 0.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Gangapur 220kV | 09/01/2020 00:45:00 | 4 | 59062.5 | 8037.5 | 2634.38 | -5403.12 | 9.15 | 0.00 | -2.879 | 0.000000 |
| Gangapur 220kV | 09/01/2020 01:00:00 | 5 | 59062.5 | 8062.5 | 1415.62 | -6646.88 | 11.25 | 0.00 | -3.519 | 0.000000 |
| Gangapur 220kV | 09/01/2020 01:15:00 | 6 | 59062.5 | 8037.5 | 915.62 | -7121.88 | 12.06 | 0.00 | -3.519 | 0.000000 |
| Gangapur 220kV | 09/01/2020 01:30:00 | 7 | 59062.5 | 8110.0 | 621.88 | -7488.12 | 12.68 | 0.00 | -3.199 | 0.000000 |
| Gangapur 220kV | 09/01/2020 01:45:00 | 8 | 59062.5 | 8162.5 | 353.12 | -7809.38 | 13.22 | 0.00 | 3.519 | 1897.581940 |
| Gangapur 220kV | 09/01/2020 02:00:00 | 9 | 59062.5 | 8162.5 | 293.75 | -7868.75 | 13.32 | 0.00 | 3.519 | 8662.769335 |
| Gangapur 220kV | 09/01/2020 02:15:00 | 10 | 59062.5 | 8037.5 | 303.12 | -7734.38 | 13.1 | 0.00 | 2.879 | 3734.447197 |
| Gangapur 220kV | 09/01/2020 02:30:00 | 11 | 59062.5 | 8062.5 | 228.12 | -7834.38 | 13.26 | 0.00 | 3.199 | 5442.443382 |
| Gangapur 220kV | 09/01/2020 02:45:00 | 12 | 59062.5 | 8112.5 | 196.88 | -7915.62 | 13.4 | 0.00 | 1.152 | 0.000000 |
| Gangapur 220kV | 09/01/2020 03:00:00 | 13 | 59062.5 | 8055.0 | 184.38 | -7870.62 | 13.33 | 0.00 | -2.879 | 0.000000 |
| Gangapur 220kV | 09/01/2020 03:15:00 | 14 | 59062.5 | 8037.5 | 171.88 | -7865.62 | 13.32 | 0.00 | -3.839 | 0.000000 |
| Gangapur 220kV | 09/01/2020 03:30:00 | 15 | 59062.5 | 8110.0 | 84.38 | -8025.62 | 13.59 | 0.00 | 3.199 | 0.000000 |
| Gangapur 220kV | 09/01/2020 03:45:00 | 16 | 59062.5 | 8162.5 | 25.0 | -8137.5 | 13.78 | 0.00 | 0.000 | 0.000000 |
| Gangapur 220kV | 09/01/2020 04:00:00 | 17 | 59062.5 | 8162.5 | 6.25 | -8156.25 | 13.81 | 0.00 | 1.727 | 0.000000 |
| Gangapur 220kV | 09/01/2020 04:15:00 | 18 | 59062.5 | 8055.0 | 71.88 | -7983.12 | 13.52 | 0.00 | 1.727 | 0.000000 |
| Gangapur 220kV | 09/01/2020 04:30:00 | 19 | 59062.5 | 8037.5 | 150.0 | -7887.5 | 13.35 | 0.00 | 1.727 | 0.000000 |
| Gangapur 220kV | 09/01/2020 04:45:00 | 20 | 59062.5 | 8110.0 | 206.25 | -7903.75 | 13.38 | 0.00 | 2.879 | 6811.531187 |
| Gangapur 220kV | 09/01/2020 05:00:00 | 21 | 59062.5 | 8162.5 | 606.25 | -7556.25 | 12.79 | 0.00 | 3.839 | 3771.919215 |
| Gangapur 220kV | 09/01/2020 05:15:00 | 22 | 59062.5 | 8162.5 | 2771.88 | -5390.62 | 9.13 | 0.00 | 5.119 | 7608.875151 |
| Gangapur 220kV | 09/01/2020 05:30:00 | 23 | 59062.5 | 8037.5 | 4540.62 | -3496.88 | 5.92 | 0.00 | 4.064 | 8995.387765 |
| Gangapur 220kV | 09/01/2020 05:45:00 | 24 | 59062.5 | 8062.5 | 6971.88 | -1090.62 | 1.85 | 0.00 | 1.152 | 7.694152 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Gangapur 220kV | 09/01/2020 06:00:00 | 25 | 59062.5 | 8112.5 | 11915.62 | 3803.12 | 6.44 | 0.00 | -2.303 | 0.000000 |
| Gangapur 220kV | 09/01/2020 06:15:00 | 26 | 59062.5 | 8055.0 | 14368.75 | 6313.75 | 10.69 | 0.00 | 2.303 | 0.000000 |
| Gangapur 220kV | 09/01/2020 06:30:00 | 27 | 59062.5 | 8037.5 | 12762.5 | 4725.0 | 8.0 | 0.00 | -3.839 | 0.000000 |
| Gangapur 220kV | 09/01/2020 06:45:00 | 28 | 59062.5 | 8110.0 | 9175.0 | 1065.0 | 1.8 | 0.00 | -2.879 | 0.000000 |
| Gangapur 220kV | 09/01/2020 07:00:00 | 29 | 59062.5 | 8162.5 | 7540.62 | -621.88 | 1.05 | 0.00 | -2.879 | 0.000000 |
| Gangapur 220kV | 09/01/2020 07:15:00 | 30 | 59062.5 | 8162.5 | 7340.62 | -821.88 | 1.39 | 0.00 | 6.400 | 408.890846 |
| Gangapur 220kV | 09/01/2020 07:30:00 | 31 | 59062.5 | 8055.0 | 8809.38 | 754.38 | 1.28 | 0.00 | 1.172 | 0.000000 |
| Gangapur 220kV | 09/01/2020 07:45:00 | 32 | 59062.5 | 8037.5 | 9881.25 | 1843.75 | 3.12 | 0.00 | 0.576 | 0.000000 |
| Gangapur 220kV | 09/01/2020 08:00:00 | 33 | 59062.5 | 8110.0 | 10496.88 | 2386.88 | 4.04 | 0.00 | -0.576 | -130.468676 |
| Gangapur 220kV | 09/01/2020 08:15:00 | 34 | 59062.5 | 8162.5 | 12853.12 | 4690.62 | 7.94 | 0.00 | -1.152 | -485.801160 |
| Gangapur 220kV | 09/01/2020 08:30:00 | 35 | 59062.5 | 8162.5 | 12428.12 | 4265.62 | 7.22 | 0.00 | 0.576 | 0.000000 |
| Gangapur 220kV | 09/01/2020 08:45:00 | 36 | 59062.5 | 8037.5 | 12937.5 | 4900.0 | 8.3 | 0.00 | 0.000 | 0.000000 |
| Gangapur 220kV | 09/01/2020 09:00:00 | 37 | 59062.5 | 8062.5 | 14309.38 | 6246.88 | 10.58 | 0.00 | 1.152 | 0.000000 |
| Gangapur 220kV | 09/01/2020 09:15:00 | 38 | 59062.5 | 8112.5 | 14837.5 | 6725.0 | 11.39 | 0.00 | 1.727 | 0.000000 |
| Gangapur 220kV | 09/01/2020 09:30:00 | 39 | 59062.5 | 8055.0 | 14306.25 | 6251.25 | 10.58 | 0.00 | -3.839 | -269.383251 |
| Gangapur 220kV | 09/01/2020 09:45:00 | 40 | 59062.5 | 8037.5 | 12881.25 | 4843.75 | 8.2 | 0.00 | -1.152 | -39.776747 |
| Gangapur 220kV | 09/01/2020 10:00:00 | 41 | 59062.5 | 8110.0 | 9618.75 | 1508.75 | 2.55 | 0.00 | 0.000 | 0.000000 |
| Gangapur 220kV | 09/01/2020 10:15:00 | 42 | 59062.5 | 8162.5 | 6612.5 | -1550.0 | 2.62 | 0.00 | 1.727 | 0.000000 |
| Gangapur 220kV | 09/01/2020 10:30:00 | 43 | 59062.5 | 8162.5 | 5406.25 | -2756.25 | 4.67 | 0.00 | 2.303 | 0.000000 |
| Gangapur 220kV | 09/01/2020 10:45:00 | 44 | 59062.5 | 13695.0 | 4671.88 | -9023.12 | 15.28 | 81.87 | -1.144 | 0.000000 |
| Gangapur 220kV | 09/01/2020 11:00:00 | 45 | 59062.5 | 13562.5 | 4253.12 | -9309.38 | 15.76 | 225.00 | -4.479 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Gangapur 220kV | 09/01/2020 11:15:00 | 46 | 59062.5 | 13445.0 | 5856.25 | -7588.75 | 12.85 | 0.00 | -3.519 | 0.000000 |
| Gangapur 220kV | 09/01/2020 11:30:00 | 47 | 59062.5 | 13362.5 | 7975.0 | -5387.5 | 9.12 | 0.00 | -2.303 | 0.000000 |
| Gangapur 220kV | 09/01/2020 11:45:00 | 48 | 59062.5 | 10015.0 | 9775.0 | -240.0 | 0.41 | 0.00 | -0.576 | 0.000000 |
| Gangapur 220kV | 09/01/2020 12:00:00 | 49 | 59062.5 | 10037.5 | 10909.38 | 871.88 | 1.48 | 0.00 | 0.000 | 0.000000 |
| Gangapur 220kV | 09/01/2020 12:15:00 | 50 | 59062.5 | 10110.0 | 9900.0 | -210.0 | 0.36 | 0.00 | 3.839 | 0.000000 |
| Gangapur 220kV | 09/01/2020 12:30:00 | 51 | 59062.5 | 10162.5 | 9740.62 | -421.88 | 0.71 | 0.00 | 3.199 | 0.000000 |
| Gangapur 220kV | 09/01/2020 12:45:00 | 52 | 59062.5 | 10015.0 | 9293.75 | -721.25 | 1.22 | 0.00 | 3.199 | 0.000000 |
| Gangapur 220kV | 09/01/2020 13:00:00 | 53 | 59062.5 | 9942.5 | 9253.12 | -689.38 | 1.17 | 0.00 | -1.152 | 0.000000 |
| Gangapur 220kV | 09/01/2020 13:15:00 | 54 | 59062.5 | 9967.5 | 8462.5 | -1505.0 | 2.55 | 0.00 | -1.152 | 0.000000 |
| Gangapur 220kV | 09/01/2020 13:30:00 | 55 | 59062.5 | 10017.5 | 8318.75 | -1698.75 | 2.88 | 0.00 | 1.727 | 0.000000 |
| Gangapur 220kV | 09/01/2020 13:45:00 | 56 | 59062.5 | 9960.0 | 8112.5 | -1847.5 | 3.13 | 0.00 | 3.199 | 0.000000 |
| Gangapur 220kV | 09/01/2020 14:00:00 | 57 | 59062.5 | 9942.5 | 7928.12 | -2014.38 | 3.41 | 0.00 | 4.345 | 0.000000 |
| Gangapur 220kV | 09/01/2020 14:15:00 | 58 | 59062.5 | 10015.0 | 7406.25 | -2608.75 | 4.42 | 0.00 | 3.941 | 0.000000 |
| Gangapur 220kV | 09/01/2020 14:30:00 | 59 | 59062.5 | 10037.5 | 8006.25 | -2031.25 | 3.44 | 0.00 | 1.152 | 0.000000 |
| Gangapur 220kV | 09/01/2020 14:45:00 | 60 | 59062.5 | 10110.0 | 10765.62 | 655.62 | 1.11 | 0.00 | -0.576 | -6.279024 |
| Gangapur 220kV | 09/01/2020 15:00:00 | 61 | 59062.5 | 10162.5 | 10771.88 | 609.38 | 1.03 | 0.00 | -1.006 | -89.505745 |
| Gangapur 220kV | 09/01/2020 15:15:00 | 62 | 59062.5 | 10162.5 | 9690.62 | -471.88 | 0.8 | 0.00 | 3.199 | 0.000000 |
| Gangapur 220kV | 09/01/2020 15:30:00 | 63 | 59062.5 | 10055.0 | 8256.25 | -1798.75 | 3.05 | 0.00 | 2.879 | 0.000000 |
| Gangapur 220kV | 09/01/2020 15:45:00 | 64 | 59062.5 | 10037.5 | 6893.75 | -3143.75 | 5.32 | 0.00 | 3.839 | 0.000000 |
| Gangapur 220kV | 09/01/2020 16:00:00 | 65 | 59062.5 | 10110.0 | 5231.25 | -4878.75 | 8.26 | 0.00 | 1.727 | 0.000000 |
| Gangapur 220kV | 09/01/2020 16:15:00 | 66 | 59062.5 | 7662.5 | 4125.0 | -3537.5 | 5.99 | 0.00 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Gangapur 220kV | 09/01/2020 16:30:00 | 67 | 59062.5 | 7662.5 | 3575.0 | -4087.5 | 6.92 | 0.00 | -4.159 | 0.000000 |
| Gangapur 220kV | 09/01/2020 16:45:00 | 68 | 59062.5 | 7537.5 | 3250.0 | -4287.5 | 7.26 | 0.00 | 3.839 | 0.000000 |
| Gangapur 220kV | 09/01/2020 17:00:00 | 69 | 59062.5 | 7562.5 | 3190.62 | -4371.88 | 7.4 | 0.00 | 1.727 | 0.000000 |
| Gangapur 220kV | 09/01/2020 17:15:00 | 70 | 59062.5 | 7612.5 | 3450.0 | -4162.5 | 7.05 | 0.00 | 3.839 | 1430.716917 |
| Gangapur 220kV | 09/01/2020 17:30:00 | 71 | 59062.5 | 7555.0 | 3693.75 | -3861.25 | 6.54 | 0.00 | -2.879 | 0.000000 |
| Gangapur 220kV | 09/01/2020 17:45:00 | 72 | 59062.5 | 7537.5 | 4665.62 | -2871.88 | 4.86 | 0.00 | -4.146 | 0.000000 |
| Gangapur 220kV | 09/01/2020 18:00:00 | 73 | 59062.5 | 7610.0 | 6268.75 | -1341.25 | 2.27 | 0.00 | -3.349 | 0.000000 |
| Gangapur 220kV | 09/01/2020 18:15:00 | 74 | 59062.5 | 7662.5 | 7134.38 | -528.12 | 0.89 | 0.00 | -4.563 | 0.000000 |
| Gangapur 220kV | 09/01/2020 18:30:00 | 75 | 59062.5 | 7662.5 | 7668.75 | 6.25 | 0.01 | 0.00 | -3.839 | 0.000000 |
| Gangapur 220kV | 09/01/2020 18:45:00 | 76 | 59062.5 | 7555.0 | 8040.62 | 485.62 | 0.82 | 0.00 | -2.879 | 0.000000 |
| Gangapur 220kV | 09/01/2020 19:00:00 | 77 | 59062.5 | 7537.5 | 9359.38 | 1821.88 | 3.08 | 0.00 | -3.199 | 0.000000 |
| Gangapur 220kV | 09/01/2020 19:15:00 | 78 | 59062.5 | 7610.0 | 10737.5 | 3127.5 | 5.3 | 0.00 | -1.727 | 0.000000 |
| Gangapur 220kV | 09/01/2020 19:30:00 | 79 | 59062.5 | 8412.5 | 12387.5 | 3975.0 | 6.73 | 0.00 | -1.442 | 0.000000 |
| Gangapur 220kV | 09/01/2020 19:45:00 | 80 | 59062.5 | 8412.5 | 13793.75 | 5381.25 | 9.11 | 0.00 | -0.286 | 0.000000 |
| Gangapur 220kV | 09/01/2020 20:00:00 | 81 | 59062.5 | 8287.5 | 14150.0 | 5862.5 | 9.93 | 0.00 | -1.070 | 0.000000 |
| Gangapur 220kV | 09/01/2020 20:15:00 | 82 | 59062.5 | 8360.0 | 12853.12 | 4493.12 | 7.61 | 0.00 | -2.236 | 0.000000 |
| Gangapur 220kV | 09/01/2020 20:30:00 | 83 | 59062.5 | 8412.5 | 9821.88 | 1409.38 | 2.39 | 0.00 | -4.799 | 0.000000 |
| Gangapur 220kV | 09/01/2020 20:45:00 | 84 | 59062.5 | 8412.5 | 9171.88 | 759.38 | 1.29 | 0.00 | -1.727 | 0.000000 |
| Gangapur 220kV | 09/01/2020 21:00:00 | 85 | 59062.5 | 12555.0 | 7981.25 | -4573.75 | 7.74 | 0.00 | -1.727 | 0.000000 |
| Gangapur 220kV | 09/01/2020 21:15:00 | 86 | 59062.5 | 12912.5 | 6803.12 | -6109.38 | 10.34 | 0.00 | 1.152 | 0.000000 |
| Gangapur 220kV | 09/01/2020 21:30:00 | 87 | 59062.5 | 13080.0 | 6809.38 | -6270.62 | 10.62 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Gangapur 220kV | 09/01/2020 21:45:00 | 88 | 59062.5 | 13287.5 | 7778.12 | -5509.38 | 9.33 | 0.00 | -2.303 | 0.000000 |
| Gangapur 220kV | 09/01/2020 22:00:00 | 89 | 59062.5 | 8442.5 | 9393.75 | 951.25 | 1.61 | 0.00 | -2.795 | 0.000000 |
| Gangapur 220kV | 09/01/2020 22:15:00 | 90 | 59062.5 | 8412.5 | 12256.25 | 3843.75 | 6.51 | 0.00 | -3.674 | 0.000000 |
| Gangapur 220kV | 09/01/2020 22:30:00 | 91 | 59062.5 | 8387.5 | 12734.38 | 4346.88 | 7.36 | 0.00 | -2.303 | 0.000000 |
| Gangapur 220kV | 09/01/2020 22:45:00 | 92 | 59062.5 | 8362.5 | 9462.5 | 1100.0 | 1.86 | 0.00 | -1.152 | 0.000000 |
| Gangapur 220kV | 09/01/2020 23:00:00 | 93 | 59062.5 | 8305.0 | 7706.25 | -598.75 | 1.01 | 0.00 | 0.000 | 0.000000 |
| Gangapur 220kV | 09/01/2020 23:15:00 | 94 | 59062.5 | 8287.5 | 8453.12 | 165.62 | 0.28 | 0.00 | -0.576 | 0.000000 |
| Gangapur 220kV | 09/01/2020 23:30:00 | 95 | 59062.5 | 8360.0 | 9143.75 | 783.75 | 1.33 | 0.00 | -0.576 | 0.000000 |
| Gangapur 220kV | 09/01/2020 23:45:00 | 96 | 59062.5 | 8412.5 | 10284.38 | 1871.88 | 3.17 | 0.00 | -0.987 | 0.000000 |
| Gangapur 220kV | 10/01/2020 00:00:00 | 1 | 59062.5 | 8610.0 | 11715.62 | 3105.62 | 5.26 | 0.00 | -0.680 | 0.000000 |
| Gangapur 220kV | 10/01/2020 00:15:00 | 2 | 59062.5 | 8662.5 | 10703.12 | 2040.62 | 3.46 | 0.00 | -3.326 | 0.000000 |
| Gangapur 220kV | 10/01/2020 00:30:00 | 3 | 59062.5 | 8662.5 | 9115.62 | 453.12 | 0.77 | 0.00 | -2.992 | 0.000000 |
| Gangapur 220kV | 10/01/2020 00:45:00 | 4 | 59062.5 | 8537.5 | 8962.5 | 425.0 | 0.72 | 0.00 | -0.532 | 0.000000 |
| Gangapur 220kV | 10/01/2020 01:00:00 | 5 | 59062.5 | 8562.5 | 9896.88 | 1334.38 | 2.26 | 0.00 | -0.713 | 0.000000 |
| Gangapur 220kV | 10/01/2020 01:15:00 | 6 | 59062.5 | 8537.5 | 10840.62 | 2303.12 | 3.9 | 0.00 | -0.548 | 0.000000 |
| Gangapur 220kV | 10/01/2020 01:30:00 | 7 | 59062.5 | 14155.0 | 10803.12 | -3351.88 | 5.68 | 0.00 | -2.658 | 0.000000 |
| Gangapur 220kV | 10/01/2020 01:45:00 | 8 | 59062.5 | 14087.5 | 10800.0 | -3287.5 | 5.57 | 0.00 | 2.127 | 0.000000 |
| Gangapur 220kV | 10/01/2020 02:00:00 | 9 | 59062.5 | 13630.0 | 11062.5 | -2567.5 | 4.35 | 0.00 | 5.342 | 5030.682095 |
| Gangapur 220kV | 10/01/2020 02:15:00 | 10 | 59062.5 | 13330.0 | 10959.38 | -2370.62 | 4.01 | 0.00 | 1.595 | 0.000000 |
| Gangapur 220kV | 10/01/2020 02:30:00 | 11 | 59062.5 | 13090.0 | 10971.88 | -2118.12 | 3.59 | 0.00 | 3.326 | 0.000000 |
| Gangapur 220kV | 10/01/2020 02:45:00 | 12 | 59062.5 | 13912.5 | 12003.12 | -1909.38 | 3.23 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Gangapur 220kV | 10/01/2020 03:00:00 | 13 | 59062.5 | 13830.0 | 13190.62 | -639.38 | 1.08 | 0.00 | 2.658 | 0.000000 |
| Gangapur 220kV | 10/01/2020 03:15:00 | 14 | 59062.5 | 13655.0 | 17631.25 | 3976.25 | 6.73 | 0.00 | 2.127 | 0.000000 |
| Gangapur 220kV | 10/01/2020 03:30:00 | 15 | 59062.5 | 13590.0 | 19368.75 | 5778.75 | 9.78 | 0.00 | 2.127 | 0.000000 |
| Gangapur 220kV | 10/01/2020 03:45:00 | 16 | 59062.5 | 13565.0 | 17700.0 | 4135.0 | 7.0 | 0.00 | -1.063 | 0.000000 |
| Gangapur 220kV | 10/01/2020 04:00:00 | 17 | 59062.5 | 13330.0 | 14928.12 | 1598.12 | 2.71 | 0.00 | 1.595 | 0.000000 |
| Gangapur 220kV | 10/01/2020 04:15:00 | 18 | 59062.5 | 22840.0 | 12431.25 | -10408.75 | 17.62 | 774.69 | 3.326 | 6189.447863 |
| Gangapur 220kV | 10/01/2020 04:30:00 | 19 | 59062.5 | 22662.5 | 10346.88 | -12315.62 | 20.85 | 1728.12 | 3.326 | 0.000000 |
| Gangapur 220kV | 10/01/2020 04:45:00 | 20 | 59062.5 | 22580.0 | 8171.88 | -14408.12 | 24.39 | 2774.37 | 2.127 | 0.000000 |
| Gangapur 220kV | 10/01/2020 05:00:00 | 21 | 59062.5 | 22562.5 | 7565.62 | -14996.88 | 25.39 | 3184.38 | 2.992 | 0.000000 |
| Gangapur 220kV | 10/01/2020 05:15:00 | 22 | 59062.5 | 21912.5 | 7431.25 | -14481.25 | 24.52 | 2810.94 | 1.063 | 0.000000 |
| Gangapur 220kV | 10/01/2020 05:30:00 | 23 | 59062.5 | 21880.0 | 7028.12 | -14851.88 | 25.15 | 3039.38 | -2.658 | 0.000000 |
| Gangapur 220kV | 10/01/2020 05:45:00 | 24 | 59062.5 | 20912.5 | 6271.88 | -14640.62 | 24.79 | 2890.62 | 2.127 | 0.000000 |
| Gangapur 220kV | 10/01/2020 06:00:00 | 25 | 59062.5 | 20815.0 | 6328.12 | -14486.88 | 24.53 | 2813.75 | -2.127 | 0.000000 |
| Gangapur 220kV | 10/01/2020 06:15:00 | 26 | 59062.5 | 20580.0 | 6853.12 | -13726.88 | 23.24 | 2433.75 | 2.658 | 3482.357671 |
| Gangapur 220kV | 10/01/2020 06:30:00 | 27 | 59062.5 | 20590.0 | 6837.5 | -13752.5 | 23.28 | 2446.56 | -2.992 | 0.000000 |
| Gangapur 220kV | 10/01/2020 06:45:00 | 28 | 59062.5 | 21162.5 | 5009.38 | -16153.12 | 27.35 | 4340.62 | -3.077 | 0.000000 |
| Gangapur 220kV | 10/01/2020 07:00:00 | 29 | 59062.5 | 11412.5 | 4940.62 | -6471.88 | 10.96 | 0.00 | -0.687 | 0.000000 |
| Gangapur 220kV | 10/01/2020 07:15:00 | 30 | 59062.5 | 11380.0 | 4840.62 | -6539.38 | 11.07 | 0.00 | -2.658 | 0.000000 |
| Gangapur 220kV | 10/01/2020 07:30:00 | 31 | 59062.5 | 11090.0 | 4378.12 | -6711.88 | 11.36 | 0.00 | -1.063 | 0.000000 |
| Gangapur 220kV | 10/01/2020 07:45:00 | 32 | 59062.5 | 11080.0 | 3771.88 | -7308.12 | 12.37 | 0.00 | -2.658 | 0.000000 |
| Gangapur 220kV | 10/01/2020 08:00:00 | 33 | 59062.5 | 11062.5 | 4159.38 | -6903.12 | 11.69 | 0.00 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Gangapur 220kV | 10/01/2020 08:15:00 | 34 | 59062.5 | 10830.0 | 5590.62 | -5239.38 | 8.87 | 0.00 | -4.661 | 0.000000 |
| Gangapur 220kV | 10/01/2020 08:30:00 | 35 | 59062.5 | 11062.5 | 6431.25 | -4631.25 | 7.84 | 0.00 | 5.663 | 0.000000 |
| Gangapur 220kV | 10/01/2020 08:45:00 | 36 | 59062.5 | 10830.0 | 5921.88 | -4908.12 | 8.31 | 0.00 | 4.328 | 0.000000 |
| Gangapur 220kV | 10/01/2020 09:00:00 | 37 | 59062.5 | 10627.5 | 4425.0 | -6202.5 | 10.5 | 0.00 | -4.995 | 0.000000 |
| Gangapur 220kV | 10/01/2020 09:15:00 | 38 | 59062.5 | 8455.0 | 3128.12 | -5326.88 | 9.02 | 0.00 | -4.327 | 0.000000 |
| Gangapur 220kV | 10/01/2020 09:30:00 | 39 | 59062.5 | 8442.5 | 2740.62 | -5701.88 | 9.65 | 0.00 | -2.127 | 0.000000 |
| Gangapur 220kV | 10/01/2020 09:45:00 | 40 | 59062.5 | 8467.5 | 3500.0 | -4967.5 | 8.41 | 0.00 | -1.152 | 0.000000 |
| Gangapur 220kV | 10/01/2020 10:00:00 | 41 | 59062.5 | 8517.5 | 4962.5 | -3555.0 | 6.02 | 0.00 | 0.000 | 0.000000 |
| Gangapur 220kV | 10/01/2020 10:15:00 | 42 | 59062.5 | 8460.0 | 7731.25 | -728.75 | 1.23 | 0.00 | -0.532 | 0.000000 |
| Gangapur 220kV | 10/01/2020 10:30:00 | 43 | 59062.5 | 8442.5 | 11156.25 | 2713.75 | 4.59 | 0.00 | -1.063 | -162.108015 |
| Gangapur 220kV | 10/01/2020 10:45:00 | 44 | 59062.5 | 8515.0 | 13562.5 | 5047.5 | 8.55 | 0.00 | 0.000 | 0.000000 |
| Gangapur 220kV | 10/01/2020 11:00:00 | 45 | 59062.5 | 8490.0 | 14371.88 | 5881.88 | 9.96 | 0.00 | 2.658 | 0.000000 |
| Gangapur 220kV | 10/01/2020 11:15:00 | 46 | 59062.5 | 8515.0 | 14337.5 | 5822.5 | 9.86 | 0.00 | 0.000 | 0.000000 |
| Gangapur 220kV | 10/01/2020 11:30:00 | 47 | 59062.5 | 8442.5 | 12234.38 | 3791.88 | 6.42 | 0.00 | -1.595 | -103.261939 |
| Gangapur 220kV | 10/01/2020 11:45:00 | 48 | 59062.5 | 8467.5 | 11418.75 | 2951.25 | 5.0 | 0.00 | 2.992 | 0.000000 |
| Gangapur 220kV | 10/01/2020 12:00:00 | 49 | 59062.5 | 16357.5 | 8784.38 | -7573.12 | 12.82 | 0.00 | 0.000 | 0.000000 |
| Gangapur 220kV | 10/01/2020 12:15:00 | 50 | 59062.5 | 15915.0 | 7240.62 | -8674.38 | 14.69 | 0.00 | 2.127 | 0.000000 |
| Gangapur 220kV | 10/01/2020 12:30:00 | 51 | 59062.5 | 15275.0 | 6168.75 | -9106.25 | 15.42 | 123.44 | 1.595 | 0.000000 |
| Gangapur 220kV | 10/01/2020 12:45:00 | 52 | 59062.5 | 14575.0 | 5646.88 | -8928.12 | 15.12 | 34.37 | -1.063 | 0.000000 |
| Gangapur 220kV | 10/01/2020 13:00:00 | 53 | 59062.5 | 13770.0 | 5528.12 | -8241.88 | 13.95 | 0.00 | 2.658 | 0.000000 |
| Gangapur 220kV | 10/01/2020 13:15:00 | 54 | 59062.5 | 12860.0 | 4965.62 | -7894.38 | 13.37 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Gangapur 220kV | 10/01/2020 13:30:00 | 55 | 59062.5 | 11330.0 | 4543.75 | -6786.25 | 11.49 | 0.00 | 2.127 | 0.000000 |
| Gangapur 220kV | 10/01/2020 13:45:00 | 56 | 59062.5 | 11052.5 | 3596.88 | -7455.62 | 12.62 | 0.00 | -3.326 | 0.000000 |
| Gangapur 220kV | 10/01/2020 14:00:00 | 57 | 59062.5 | 10802.5 | 4184.38 | -6618.12 | 11.21 | 0.00 | -2.992 | 0.000000 |
| Gangapur 220kV | 10/01/2020 14:15:00 | 58 | 59062.5 | 10530.0 | 5881.25 | -4648.75 | 7.87 | 0.00 | 3.660 | 0.000000 |
| Gangapur 220kV | 10/01/2020 14:30:00 | 59 | 59062.5 | 10280.0 | 7025.0 | -3255.0 | 5.51 | 0.00 | -2.127 | 0.000000 |
| Gangapur 220kV | 10/01/2020 14:45:00 | 60 | 59062.5 | 10030.0 | 6512.5 | -3517.5 | 5.96 | 0.00 | -2.127 | 0.000000 |
| Gangapur 220kV | 10/01/2020 15:00:00 | 61 | 59062.5 | 8662.5 | 6353.12 | -2309.38 | 3.91 | 0.00 | 0.000 | 0.000000 |
| Gangapur 220kV | 10/01/2020 15:15:00 | 62 | 59062.5 | 8537.5 | 6112.5 | -2425.0 | 4.11 | 0.00 | -2.992 | 0.000000 |
| Gangapur 220kV | 10/01/2020 15:30:00 | 63 | 59062.5 | 8562.5 | 4634.38 | -3928.12 | 6.65 | 0.00 | -4.995 | 0.000000 |
| Gangapur 220kV | 10/01/2020 15:45:00 | 64 | 59062.5 | 8612.5 | 3328.12 | -5284.38 | 8.95 | 0.00 | -4.327 | 0.000000 |
| Gangapur 220kV | 10/01/2020 16:00:00 | 65 | 59062.5 | 8555.0 | 3162.5 | -5392.5 | 9.13 | 0.00 | -4.995 | 0.000000 |
| Gangapur 220kV | 10/01/2020 16:15:00 | 66 | 59062.5 | 8537.5 | 4362.5 | -4175.0 | 7.07 | 0.00 | -8.000 | 0.000000 |
| Gangapur 220kV | 10/01/2020 16:30:00 | 67 | 59062.5 | 8610.0 | 5278.12 | -3331.88 | 5.64 | 0.00 | -8.000 | 0.000000 |
| Gangapur 220kV | 10/01/2020 16:45:00 | 68 | 59062.5 | 8662.5 | 4906.25 | -3756.25 | 6.36 | 0.00 | 4.327 | 0.000000 |
| Gangapur 220kV | 10/01/2020 17:00:00 | 69 | 59062.5 | 8662.5 | 5221.88 | -3440.62 | 5.83 | 0.00 | 0.532 | 0.000000 |
| Gangapur 220kV | 10/01/2020 17:15:00 | 70 | 59062.5 | 8555.0 | 4568.75 | -3986.25 | 6.75 | 0.00 | -1.595 | 0.000000 |
| Gangapur 220kV | 10/01/2020 17:30:00 | 71 | 59062.5 | 8537.5 | 4721.88 | -3815.62 | 6.46 | 0.00 | -2.658 | 0.000000 |
| Gangapur 220kV | 10/01/2020 17:45:00 | 72 | 59062.5 | 8610.0 | 6059.38 | -2550.62 | 4.32 | 0.00 | -2.127 | 0.000000 |
| Gangapur 220kV | 10/01/2020 18:00:00 | 73 | 59062.5 | 8662.5 | 7409.38 | -1253.12 | 2.12 | 0.00 | -1.461 | 0.000000 |
| Gangapur 220kV | 10/01/2020 18:15:00 | 74 | 59062.5 | 8662.5 | 8243.75 | -418.75 | 0.71 | 0.00 | 3.326 | 147.155527 |
| Gangapur 220kV | 10/01/2020 18:30:00 | 75 | 59062.5 | 8537.5 | 8065.62 | -471.88 | 0.8 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Gangapur 220kV | 10/01/2020 18:45:00 | 76 | 59062.5 | 8610.0 | 8850.0 | 240.0 | 0.41 | 0.00 | 3.994 | 0.000000 |
| Gangapur 220kV | 10/01/2020 19:00:00 | 77 | 59062.5 | 8662.5 | 8281.25 | -381.25 | 0.65 | 0.00 | -2.127 | 0.000000 |
| Gangapur 220kV | 10/01/2020 19:15:00 | 78 | 59062.5 | 8662.5 | 8118.75 | -543.75 | 0.92 | 0.00 | -2.658 | 0.000000 |
| Gangapur 220kV | 10/01/2020 19:30:00 | 79 | 59062.5 | 8555.0 | 8975.0 | 420.0 | 0.71 | 0.00 | -3.660 | 0.000000 |
| Gangapur 220kV | 10/01/2020 19:45:00 | 80 | 59062.5 | 8537.5 | 9237.5 | 700.0 | 1.19 | 0.00 | -3.326 | 0.000000 |
| Gangapur 220kV | 10/01/2020 20:00:00 | 81 | 59062.5 | 8610.0 | 10196.88 | 1586.88 | 2.69 | 0.00 | 3.660 | 0.000000 |
| Gangapur 220kV | 10/01/2020 20:15:00 | 82 | 59062.5 | 8662.5 | 12059.38 | 3396.88 | 5.75 | 0.00 | 3.660 | 0.000000 |
| Gangapur 220kV | 10/01/2020 20:30:00 | 83 | 59062.5 | 8662.5 | 13350.0 | 4687.5 | 7.94 | 0.00 | 4.995 | 0.000000 |
| Gangapur 220kV | 10/01/2020 20:45:00 | 84 | 59062.5 | 8537.5 | 11903.12 | 3365.62 | 5.7 | 0.00 | 2.992 | 0.000000 |
| Gangapur 220kV | 10/01/2020 21:00:00 | 85 | 59062.5 | 8562.5 | 11043.75 | 2481.25 | 4.2 | 0.00 | -3.660 | 0.000000 |
| Gangapur 220kV | 10/01/2020 21:15:00 | 86 | 59062.5 | 8612.5 | 10096.88 | 1484.38 | 2.51 | 0.00 | -1.595 | 0.000000 |
| Gangapur 220kV | 10/01/2020 21:30:00 | 87 | 59062.5 | 8555.0 | 9243.75 | 688.75 | 1.17 | 0.00 | -1.063 | 0.000000 |
| Gangapur 220kV | 10/01/2020 21:45:00 | 88 | 59062.5 | 8537.5 | 8959.38 | 421.88 | 0.71 | 0.00 | -0.532 | 0.000000 |
| Gangapur 220kV | 10/01/2020 22:00:00 | 89 | 59062.5 | 8610.0 | 8143.75 | -466.25 | 0.79 | 0.00 | -1.595 | 0.000000 |
| Gangapur 220kV | 10/01/2020 22:15:00 | 90 | 59062.5 | 8662.5 | 9306.25 | 643.75 | 1.09 | 0.00 | -2.127 | 0.000000 |
| Gangapur 220kV | 10/01/2020 22:30:00 | 91 | 59062.5 | 8562.5 | 10028.12 | 1465.62 | 2.48 | 0.00 | 1.063 | 0.000000 |
| Gangapur 220kV | 10/01/2020 22:45:00 | 92 | 59062.5 | 8612.5 | 9887.5 | 1275.0 | 2.16 | 0.00 | -2.658 | 0.000000 |
| Gangapur 220kV | 10/01/2020 23:00:00 | 93 | 59062.5 | 8555.0 | 10259.38 | 1704.38 | 2.89 | 0.00 | -2.658 | 0.000000 |
| Gangapur 220kV | 10/01/2020 23:15:00 | 94 | 59062.5 | 8537.5 | 9806.25 | 1268.75 | 2.15 | 0.00 | 0.000 | 0.000000 |
| Gangapur 220kV | 10/01/2020 23:30:00 | 95 | 59062.5 | 8610.0 | 8890.62 | 280.62 | 0.48 | 0.00 | 0.000 | 0.000000 |
| Gangapur 220kV | 10/01/2020 23:45:00 | 96 | 59062.5 | 8662.5 | 9446.88 | 784.38 | 1.33 | 0.00 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Gangapur 220kV | 11/01/2020 00:00:00 | 1 | 59062.5 | 8610.0 | 9559.38 | 949.38 | 1.61 | 0.00 | 0.000 | 0.000000 |
| Gangapur 220kV | 11/01/2020 00:15:00 | 2 | 59062.5 | 8662.5 | 8437.5 | -225.0 | 0.38 | 0.00 | -2.629 | 0.000000 |
| Gangapur 220kV | 11/01/2020 00:30:00 | 3 | 59062.5 | 8662.5 | 6584.38 | -2078.12 | 3.52 | 0.00 | -1.577 | 0.000000 |
| Gangapur 220kV | 11/01/2020 00:45:00 | 4 | 59062.5 | 8537.5 | 4584.38 | -3953.12 | 6.69 | 0.00 | 2.103 | 0.000000 |
| Gangapur 220kV | 11/01/2020 01:00:00 | 5 | 59062.5 | 8562.5 | 3809.38 | -4753.12 | 8.05 | 0.00 | 2.964 | 2233.078166 |
| Gangapur 220kV | 11/01/2020 01:15:00 | 6 | 59062.5 | 8537.5 | 3162.5 | -5375.0 | 9.1 | 0.00 | 1.052 | 354.491039 |
| Gangapur 220kV | 11/01/2020 01:30:00 | 7 | 59062.5 | 8610.0 | 2571.88 | -6038.12 | 10.22 | 0.00 | 1.577 | 708.994778 |
| Gangapur 220kV | 11/01/2020 01:45:00 | 8 | 59062.5 | 8662.5 | 2156.25 | -6506.25 | 11.02 | 0.00 | -0.526 | 0.000000 |
| Gangapur 220kV | 11/01/2020 02:00:00 | 9 | 59062.5 | 8662.5 | 2425.0 | -6237.5 | 10.56 | 0.00 | -0.403 | 0.000000 |
| Gangapur 220kV | 11/01/2020 02:15:00 | 10 | 59062.5 | 8537.5 | 3968.75 | -4568.75 | 7.74 | 0.00 | -0.630 | 0.000000 |
| Gangapur 220kV | 11/01/2020 02:30:00 | 11 | 59062.5 | 8562.5 | 5287.5 | -3275.0 | 5.54 | 0.00 | -0.526 | 0.000000 |
| Gangapur 220kV | 11/01/2020 02:45:00 | 12 | 59062.5 | 8612.5 | 6200.0 | -2412.5 | 4.08 | 0.00 | -0.526 | 0.000000 |
| Gangapur 220kV | 11/01/2020 03:00:00 | 13 | 59062.5 | 8555.0 | 6078.12 | -2476.88 | 4.19 | 0.00 | -1.051 | 0.000000 |
| Gangapur 220kV | 11/01/2020 03:15:00 | 14 | 59062.5 | 8537.5 | 5225.0 | -3312.5 | 5.61 | 0.00 | 0.000 | 0.000000 |
| Gangapur 220kV | 11/01/2020 03:30:00 | 15 | 59062.5 | 8610.0 | 4468.75 | -4141.25 | 7.01 | 0.00 | 0.000 | 0.000000 |
| Gangapur 220kV | 11/01/2020 03:45:00 | 16 | 59062.5 | 8662.5 | 4309.38 | -4353.12 | 7.37 | 0.00 | 0.000 | 0.000000 |
| Gangapur 220kV | 11/01/2020 04:00:00 | 17 | 59062.5 | 8662.5 | 3778.12 | -4884.38 | 8.27 | 0.00 | 0.000 | 0.000000 |
| Gangapur 220kV | 11/01/2020 04:15:00 | 18 | 59062.5 | 8555.0 | 3450.0 | -5105.0 | 8.64 | 0.00 | -1.051 | 0.000000 |
| Gangapur 220kV | 11/01/2020 04:30:00 | 19 | 59062.5 | 8537.5 | 3531.25 | -5006.25 | 8.48 | 0.00 | -2.964 | 0.000000 |
| Gangapur 220kV | 11/01/2020 04:45:00 | 20 | 59062.5 | 8610.0 | 3121.88 | -5488.12 | 9.29 | 0.00 | -3.300 | 0.000000 |
| Gangapur 220kV | 11/01/2020 05:00:00 | 21 | 59062.5 | 8662.5 | 2809.38 | -5853.12 | 9.91 | 0.00 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Gangapur 220kV | 11/01/2020 05:15:00 | 22 | 59062.5 | 8662.5 | 3109.38 | -5553.12 | 9.4 | 0.00 | 5.314 | 6958.027444 |
| Gangapur 220kV | 11/01/2020 05:30:00 | 23 | 59062.5 | 8537.5 | 4340.62 | -4196.88 | 7.11 | 0.00 | 2.964 | 2541.006490 |
| Gangapur 220kV | 11/01/2020 05:45:00 | 24 | 59062.5 | 8562.5 | 6556.25 | -2006.25 | 3.4 | 0.00 | 2.103 | 0.000000 |
| Gangapur 220kV | 11/01/2020 06:00:00 | 25 | 59062.5 | 8612.5 | 8725.0 | 112.5 | 0.19 | 0.00 | 3.636 | 0.000000 |
| Gangapur 220kV | 11/01/2020 06:15:00 | 26 | 59062.5 | 8555.0 | 9812.5 | 1257.5 | 2.13 | 0.00 | 2.964 | 0.000000 |
| Gangapur 220kV | 11/01/2020 06:30:00 | 27 | 59062.5 | 8537.5 | 11125.0 | 2587.5 | 4.38 | 0.00 | 4.105 | 0.000000 |
| Gangapur 220kV | 11/01/2020 06:45:00 | 28 | 59062.5 | 8610.0 | 11209.38 | 2599.38 | 4.4 | 0.00 | 5.650 | 0.000000 |
| Gangapur 220kV | 11/01/2020 07:00:00 | 29 | 59062.5 | 8662.5 | 11543.75 | 2881.25 | 4.88 | 0.00 | 3.300 | 0.000000 |
| Gangapur 220kV | 11/01/2020 07:15:00 | 30 | 59062.5 | 8662.5 | 12762.5 | 4100.0 | 6.94 | 0.00 | 5.314 | 0.000000 |
| Gangapur 220kV | 11/01/2020 07:30:00 | 31 | 59062.5 | 8555.0 | 15034.38 | 6479.38 | 10.97 | 0.00 | 2.964 | 0.000000 |
| Gangapur 220kV | 11/01/2020 07:45:00 | 32 | 59062.5 | 8537.5 | 16534.38 | 7996.88 | 13.54 | 0.00 | 2.103 | 0.000000 |
| Gangapur 220kV | 11/01/2020 08:00:00 | 33 | 59062.5 | 8610.0 | 16693.75 | 8083.75 | 13.69 | 0.00 | -1.577 | -289.634263 |
| Gangapur 220kV | 11/01/2020 08:15:00 | 34 | 59062.5 | 8662.5 | 16153.12 | 7490.62 | 12.68 | 0.00 | 3.300 | 0.000000 |
| Gangapur 220kV | 11/01/2020 08:30:00 | 35 | 59062.5 | 8662.5 | 16309.38 | 7646.88 | 12.95 | 0.00 | 2.116 | 0.000000 |
| Gangapur 220kV | 11/01/2020 08:45:00 | 36 | 59062.5 | 8537.5 | 15753.12 | 7215.62 | 12.22 | 0.00 | 2.964 | 0.000000 |
| Gangapur 220kV | 11/01/2020 09:00:00 | 37 | 59062.5 | 8562.5 | 14865.62 | 6303.12 | 10.67 | 0.00 | 6.681 | 0.000000 |
| Gangapur 220kV | 11/01/2020 09:15:00 | 38 | 59062.5 | 8612.5 | 14418.75 | 5806.25 | 9.83 | 0.00 | 6.657 | 0.000000 |
| Gangapur 220kV | 11/01/2020 09:30:00 | 39 | 59062.5 | 8555.0 | 14865.62 | 6310.62 | 10.68 | 0.00 | -6.322 | -3253.647071 |
| Gangapur 220kV | 11/01/2020 09:45:00 | 40 | 59062.5 | 8537.5 | 15578.12 | 7040.62 | 11.92 | 0.00 | -2.103 | -506.185511 |
| Gangapur 220kV | 11/01/2020 10:00:00 | 41 | 59062.5 | 8610.0 | 13593.75 | 4983.75 | 8.44 | 0.00 | 0.526 | 0.000000 |
| Gangapur 220kV | 11/01/2020 10:15:00 | 42 | 59062.5 | 8662.5 | 10609.38 | 1946.88 | 3.3 | 0.00 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Gangapur 220kV | 11/01/2020 10:30:00 | 43 | 59062.5 | 8662.5 | 9771.88 | 1109.38 | 1.88 | 0.00 | 0.000 | 0.000000 |
| Gangapur 220kV | 11/01/2020 10:45:00 | 44 | 59062.5 | 8537.5 | 9715.62 | 1178.12 | 1.99 | 0.00 | 0.000 | 0.000000 |
| Gangapur 220kV | 11/01/2020 11:00:00 | 45 | 59062.5 | 8610.0 | 8193.75 | -416.25 | 0.7 | 0.00 | 0.000 | 0.000000 |
| Gangapur 220kV | 11/01/2020 11:15:00 | 46 | 59062.5 | 8662.5 | 6687.5 | -1975.0 | 3.34 | 0.00 | -2.964 | 0.000000 |
| Gangapur 220kV | 11/01/2020 11:30:00 | 47 | 59062.5 | 8662.5 | 6481.25 | -2181.25 | 3.69 | 0.00 | -4.307 | 0.000000 |
| Gangapur 220kV | 11/01/2020 11:45:00 | 48 | 59062.5 | 8555.0 | 5028.12 | -3526.88 | 5.97 | 0.00 | -3.300 | 0.000000 |
| Gangapur 220kV | 11/01/2020 12:00:00 | 49 | 59062.5 | 8537.5 | 4034.38 | -4503.12 | 7.62 | 0.00 | -0.526 | 0.000000 |
| Gangapur 220kV | 11/01/2020 12:15:00 | 50 | 59062.5 | 8610.0 | 4128.12 | -4481.88 | 7.59 | 0.00 | -2.103 | 0.000000 |
| Gangapur 220kV | 11/01/2020 12:30:00 | 51 | 59062.5 | 8662.5 | 4721.88 | -3940.62 | 6.67 | 0.00 | -2.629 | 0.000000 |
| Gangapur 220kV | 11/01/2020 12:45:00 | 52 | 59062.5 | 8662.5 | 5009.38 | -3653.12 | 6.19 | 0.00 | -2.629 | 0.000000 |
| Gangapur 220kV | 11/01/2020 13:00:00 | 53 | 59062.5 | 8537.5 | 5012.5 | -3525.0 | 5.97 | 0.00 | 0.000 | 0.000000 |
| Gangapur 220kV | 11/01/2020 13:15:00 | 54 | 59062.5 | 8562.5 | 4693.75 | -3868.75 | 6.55 | 0.00 | -2.103 | 0.000000 |
| Gangapur 220kV | 11/01/2020 13:30:00 | 55 | 59062.5 | 8612.5 | 4284.38 | -4328.12 | 7.33 | 0.00 | 2.629 | 0.000000 |
| Gangapur 220kV | 11/01/2020 13:45:00 | 56 | 59062.5 | 8555.0 | 3675.0 | -4880.0 | 8.26 | 0.00 | 2.103 | 0.000000 |
| Gangapur 220kV | 11/01/2020 14:00:00 | 57 | 59062.5 | 8537.5 | 2940.62 | -5596.88 | 9.48 | 0.00 | 1.051 | 0.000000 |
| Gangapur 220kV | 11/01/2020 14:15:00 | 58 | 59062.5 | 8610.0 | 2984.38 | -5625.62 | 9.52 | 0.00 | 3.300 | 0.000000 |
| Gangapur 220kV | 11/01/2020 14:30:00 | 59 | 59062.5 | 8662.5 | 2525.0 | -6137.5 | 10.39 | 0.00 | -3.636 | 0.000000 |
| Gangapur 220kV | 11/01/2020 14:45:00 | 60 | 59062.5 | 8662.5 | 1806.25 | -6856.25 | 11.61 | 0.00 | 4.979 | 0.000000 |
| Gangapur 220kV | 11/01/2020 15:00:00 | 61 | 59062.5 | 8537.5 | 1506.25 | -7031.25 | 11.9 | 0.00 | -2.964 | 0.000000 |
| Gangapur 220kV | 11/01/2020 15:15:00 | 62 | 59062.5 | 8610.0 | 1534.38 | -7075.62 | 11.98 | 0.00 | -5.314 | 0.000000 |
| Gangapur 220kV | 11/01/2020 15:30:00 | 63 | 59062.5 | 8662.5 | 1865.62 | -6796.88 | 11.51 | 0.00 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Gangapur 220kV | 11/01/2020 15:45:00 | 64 | 59062.5 | 8662.5 | 1981.25 | -6681.25 | 11.31 | 0.00 | 4.643 | 0.000000 |
| Gangapur 220kV | 11/01/2020 16:00:00 | 65 | 59062.5 | 8555.0 | 2725.0 | -5830.0 | 9.87 | 0.00 | 2.103 | 0.000000 |
| Gangapur 220kV | 11/01/2020 16:15:00 | 66 | 59062.5 | 8537.5 | 3137.5 | -5400.0 | 9.14 | 0.00 | -2.964 | 0.000000 |
| Gangapur 220kV | 11/01/2020 16:30:00 | 67 | 59062.5 | 8610.0 | 3015.62 | -5594.38 | 9.47 | 0.00 | -2.103 | 0.000000 |
| Gangapur 220kV | 11/01/2020 16:45:00 | 68 | 59062.5 | 8662.5 | 3240.62 | -5421.88 | 9.18 | 0.00 | 3.972 | 0.000000 |
| Gangapur 220kV | 11/01/2020 17:00:00 | 69 | 59062.5 | 8662.5 | 3565.62 | -5096.88 | 8.63 | 0.00 | -1.577 | 0.000000 |
| Gangapur 220kV | 11/01/2020 17:15:00 | 70 | 59062.5 | 8537.5 | 3809.38 | -4728.12 | 8.01 | 0.00 | -1.577 | 0.000000 |
| Gangapur 220kV | 11/01/2020 17:30:00 | 71 | 59062.5 | 8562.5 | 4181.25 | -4381.25 | 7.42 | 0.00 | 1.051 | 55.901878 |
| Gangapur 220kV | 11/01/2020 17:45:00 | 72 | 59062.5 | 8612.5 | 4703.12 | -3909.38 | 6.62 | 0.00 | -2.103 | 0.000000 |
| Gangapur 220kV | 11/01/2020 18:00:00 | 73 | 59062.5 | 8555.0 | 4981.25 | -3573.75 | 6.05 | 0.00 | -2.964 | 0.000000 |
| Gangapur 220kV | 11/01/2020 18:15:00 | 74 | 59062.5 | 8537.5 | 5537.5 | -3000.0 | 5.08 | 0.00 | -2.629 | 0.000000 |
| Gangapur 220kV | 11/01/2020 18:30:00 | 75 | 59062.5 | 8610.0 | 5409.38 | -3200.62 | 5.42 | 0.00 | 2.103 | 112.509774 |
| Gangapur 220kV | 11/01/2020 18:45:00 | 76 | 59062.5 | 8662.5 | 5053.12 | -3609.38 | 6.11 | 0.00 | 0.526 | 371.502053 |
| Gangapur 220kV | 11/01/2020 19:00:00 | 77 | 59062.5 | 8662.5 | 5137.5 | -3525.0 | 5.97 | 0.00 | 2.103 | 1441.007849 |
| Gangapur 220kV | 11/01/2020 19:15:00 | 78 | 59062.5 | 8110.0 | 5553.12 | -2556.88 | 4.33 | 0.00 | -1.052 | 0.000000 |
| Gangapur 220kV | 11/01/2020 19:30:00 | 79 | 59062.5 | 8162.5 | 5596.88 | -2565.62 | 4.34 | 0.00 | 2.964 | 0.000000 |
| Gangapur 220kV | 11/01/2020 19:45:00 | 80 | 59062.5 | 8162.5 | 5590.62 | -2571.88 | 4.35 | 0.00 | 2.629 | 1913.059241 |
| Gangapur 220kV | 11/01/2020 20:00:00 | 81 | 59062.5 | 8037.5 | 4684.38 | -3353.12 | 5.68 | 0.00 | 2.629 | 545.320308 |
| Gangapur 220kV | 11/01/2020 20:15:00 | 82 | 59062.5 | 8110.0 | 4875.0 | -3235.0 | 5.48 | 0.00 | 4.307 | 1734.850666 |
| Gangapur 220kV | 11/01/2020 20:30:00 | 83 | 59062.5 | 8162.5 | 5037.5 | -3125.0 | 5.29 | 0.00 | 2.964 | 4296.909670 |
| Gangapur 220kV | 11/01/2020 20:45:00 | 84 | 59062.5 | 8162.5 | 5290.62 | -2871.88 | 4.86 | 0.00 | 2.629 | 3389.688141 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Gangapur 220kV | 11/01/2020 21:00:00 | 85 | 59062.5 | 8555.0 | 5146.88 | -3408.12 | 5.77 | 0.00 | 3.636 | 730.591977 |
| Gangapur 220kV | 11/01/2020 21:15:00 | 86 | 59062.5 | 8537.5 | 4818.75 | -3718.75 | 6.3 | 0.00 | -1.577 | 0.000000 |
| Gangapur 220kV | 11/01/2020 21:30:00 | 87 | 59062.5 | 8610.0 | 4803.12 | -3806.88 | 6.45 | 0.00 | -1.577 | 0.000000 |
| Gangapur 220kV | 11/01/2020 21:45:00 | 88 | 59062.5 | 8662.5 | 5415.62 | -3246.88 | 5.5 | 0.00 | -1.052 | 0.000000 |
| Gangapur 220kV | 11/01/2020 22:00:00 | 89 | 59062.5 | 8662.5 | 5584.38 | -3078.12 | 5.21 | 0.00 | -5.650 | 0.000000 |
| Gangapur 220kV | 11/01/2020 22:15:00 | 90 | 59062.5 | 8537.5 | 5625.0 | -2912.5 | 4.93 | 0.00 | -5.650 | 0.000000 |
| Gangapur 220kV | 11/01/2020 22:30:00 | 91 | 59062.5 | 8562.5 | 5809.38 | -2753.12 | 4.66 | 0.00 | 4.979 | 1327.435044 |
| Gangapur 220kV | 11/01/2020 22:45:00 | 92 | 59062.5 | 8612.5 | 5021.88 | -3590.62 | 6.08 | 0.00 | 2.964 | 2254.847876 |
| Gangapur 220kV | 11/01/2020 23:00:00 | 93 | 59062.5 | 8555.0 | 5193.75 | -3361.25 | 5.69 | 0.00 | 1.577 | 525.591086 |
| Gangapur 220kV | 11/01/2020 23:15:00 | 94 | 59062.5 | 8537.5 | 5468.75 | -3068.75 | 5.2 | 0.00 | 1.074 | 392.492196 |
| Gangapur 220kV | 11/01/2020 23:30:00 | 95 | 59062.5 | 8610.0 | 6525.0 | -2085.0 | 3.53 | 0.00 | 2.113 | 1201.978334 |
| Gangapur 220kV | 11/01/2020 23:45:00 | 96 | 59062.5 | 8662.5 | 6775.0 | -1887.5 | 3.2 | 0.00 | 2.162 | 1402.798256 |
| Gangapur 220kV | 12/01/2020 00:00:00 | 1 | 59062.5 | 13782.5 | 6750.0 | -7032.5 | 11.91 | 0.00 | 3.022 | 4325.464603 |
| Gangapur 220kV | 12/01/2020 00:15:00 | 2 | 59062.5 | 13917.5 | 6453.12 | -7464.38 | 12.64 | 0.00 | -2.152 | 0.000000 |
| Gangapur 220kV | 12/01/2020 00:30:00 | 3 | 59062.5 | 14230.0 | 5775.0 | -8455.0 | 14.32 | 0.00 | -2.152 | 0.000000 |
| Gangapur 220kV | 12/01/2020 00:45:00 | 4 | 59062.5 | 14382.5 | 5250.0 | -9132.5 | 15.46 | 136.56 | -3.022 | 0.000000 |
| Gangapur 220kV | 12/01/2020 01:00:00 | 5 | 59062.5 | 14537.5 | 5340.62 | -9196.88 | 15.57 | 168.75 | -0.629 | 0.000000 |
| Gangapur 220kV | 12/01/2020 01:15:00 | 6 | 59062.5 | 14770.0 | 4646.88 | -10123.12 | 17.14 | 631.87 | -3.317 | 0.000000 |
| Gangapur 220kV | 12/01/2020 01:30:00 | 7 | 59062.5 | 14655.0 | 3859.38 | -10795.62 | 18.28 | 968.12 | -3.354 | 0.000000 |
| Gangapur 220kV | 12/01/2020 01:45:00 | 8 | 59062.5 | 14580.0 | 2793.75 | -11786.25 | 19.96 | 1463.44 | -3.022 | 0.000000 |
| Gangapur 220kV | 12/01/2020 02:00:00 | 9 | 59062.5 | 14565.0 | 2465.62 | -12099.38 | 20.49 | 1620.00 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Gangapur 220kV | 12/01/2020 02:15:00 | 10 | 59062.5 | 14167.5 | 3171.88 | -10995.62 | 18.62 | 1068.12 | -3.022 | 0.000000 |
| Gangapur 220kV | 12/01/2020 02:30:00 | 11 | 59062.5 | 13860.0 | 3796.88 | -10063.12 | 17.04 | 601.87 | -2.690 | 0.000000 |
| Gangapur 220kV | 12/01/2020 02:45:00 | 12 | 59062.5 | 11587.5 | 3928.12 | -7659.38 | 12.97 | 0.00 | -3.022 | 0.000000 |
| Gangapur 220kV | 12/01/2020 03:00:00 | 13 | 59062.5 | 11565.0 | 5353.12 | -6211.88 | 10.52 | 0.00 | 3.354 | 2941.244693 |
| Gangapur 220kV | 12/01/2020 03:15:00 | 14 | 59062.5 | 11460.0 | 6706.25 | -4753.75 | 8.05 | 0.00 | 3.022 | 2760.336166 |
| Gangapur 220kV | 12/01/2020 03:30:00 | 15 | 59062.5 | 11390.0 | 7043.75 | -4346.25 | 7.36 | 0.00 | 3.354 | 936.050160 |
| Gangapur 220kV | 12/01/2020 03:45:00 | 16 | 59062.5 | 11265.0 | 7296.88 | -3968.12 | 6.72 | 0.00 | 2.152 | 0.000000 |
| Gangapur 220kV | 12/01/2020 04:00:00 | 17 | 59062.5 | 10782.5 | 7443.75 | -3338.75 | 5.65 | 0.00 | -2.152 | 0.000000 |
| Gangapur 220kV | 12/01/2020 04:15:00 | 18 | 59062.5 | 13040.0 | 7334.38 | -5705.62 | 9.66 | 0.00 | -3.022 | 0.000000 |
| Gangapur 220kV | 12/01/2020 04:30:00 | 19 | 59062.5 | 12780.0 | 7746.88 | -5033.12 | 8.52 | 0.00 | 1.076 | 0.000000 |
| Gangapur 220kV | 12/01/2020 04:45:00 | 20 | 59062.5 | 12520.0 | 7759.38 | -4760.62 | 8.06 | 0.00 | -3.022 | 0.000000 |
| Gangapur 220kV | 12/01/2020 05:00:00 | 21 | 59062.5 | 12672.5 | 7215.62 | -5456.88 | 9.24 | 0.00 | 3.686 | 0.000000 |
| Gangapur 220kV | 12/01/2020 05:15:00 | 22 | 59062.5 | 12737.5 | 6712.5 | -6025.0 | 10.2 | 0.00 | 3.686 | 6647.205075 |
| Gangapur 220kV | 12/01/2020 05:30:00 | 23 | 59062.5 | 12580.0 | 6215.62 | -6364.38 | 10.78 | 0.00 | -1.614 | 0.000000 |
| Gangapur 220kV | 12/01/2020 05:45:00 | 24 | 59062.5 | 12562.5 | 6600.0 | -5962.5 | 10.1 | 0.00 | -0.496 | 0.000000 |
| Gangapur 220kV | 12/01/2020 06:00:00 | 25 | 59062.5 | 12412.5 | 7034.38 | -5378.12 | 9.11 | 0.00 | 0.000 | 0.000000 |
| Gangapur 220kV | 12/01/2020 06:15:00 | 26 | 59062.5 | 12380.0 | 7043.75 | -5336.25 | 9.03 | 0.00 | -0.430 | 0.000000 |
| Gangapur 220kV | 12/01/2020 06:30:00 | 27 | 59062.5 | 12162.5 | 7021.88 | -5140.62 | 8.7 | 0.00 | -2.152 | 0.000000 |
| Gangapur 220kV | 12/01/2020 06:45:00 | 28 | 59062.5 | 11905.0 | 7053.12 | -4851.88 | 8.21 | 0.00 | 4.681 | 0.000000 |
| Gangapur 220kV | 12/01/2020 07:00:00 | 29 | 59062.5 | 11662.5 | 6571.88 | -5090.62 | 8.62 | 0.00 | 1.614 | 0.000000 |
| Gangapur 220kV | 12/01/2020 07:15:00 | 30 | 59062.5 | 12672.5 | 7762.5 | -4910.0 | 8.31 | 0.00 | 3.838 | 4063.793069 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Gangapur 220kV | 12/01/2020 07:30:00 | 31 | 59062.5 | 12737.5 | 8243.75 | -4493.75 | 7.61 | 0.00 | 3.022 | 0.000000 |
| Gangapur 220kV | 12/01/2020 07:45:00 | 32 | 59062.5 | 12580.0 | 8440.62 | -4139.38 | 7.01 | 0.00 | 2.690 | 0.000000 |
| Gangapur 220kV | 12/01/2020 08:00:00 | 33 | 59062.5 | 12562.5 | 7256.25 | -5306.25 | 8.98 | 0.00 | -2.690 | 0.000000 |
| Gangapur 220kV | 12/01/2020 08:15:00 | 34 | 59062.5 | 12412.5 | 6600.0 | -5812.5 | 9.84 | 0.00 | -4.018 | 0.000000 |
| Gangapur 220kV | 12/01/2020 08:30:00 | 35 | 59062.5 | 12380.0 | 6456.25 | -5923.75 | 10.03 | 0.00 | -2.690 | 0.000000 |
| Gangapur 220kV | 12/01/2020 08:45:00 | 36 | 59062.5 | 12162.5 | 6300.0 | -5862.5 | 9.93 | 0.00 | 3.022 | 0.000000 |
| Gangapur 220kV | 12/01/2020 09:00:00 | 37 | 59062.5 | 10037.5 | 6231.25 | -3806.25 | 6.44 | 0.00 | -3.354 | 0.000000 |
| Gangapur 220kV | 12/01/2020 09:15:00 | 38 | 59062.5 | 10062.5 | 4665.62 | -5396.88 | 9.14 | 0.00 | -4.350 | 0.000000 |
| Gangapur 220kV | 12/01/2020 09:30:00 | 39 | 59062.5 | 10112.5 | 4284.38 | -5828.12 | 9.87 | 0.00 | 2.152 | 0.000000 |
| Gangapur 220kV | 12/01/2020 09:45:00 | 40 | 59062.5 | 10055.0 | 5300.0 | -4755.0 | 8.05 | 0.00 | -2.690 | 0.000000 |
| Gangapur 220kV | 12/01/2020 10:00:00 | 41 | 59062.5 | 10037.5 | 5537.5 | -4500.0 | 7.62 | 0.00 | -3.354 | 0.000000 |
| Gangapur 220kV | 12/01/2020 10:15:00 | 42 | 59062.5 | 10037.5 | 4946.88 | -5090.62 | 8.62 | 0.00 | -3.686 | 0.000000 |
| Gangapur 220kV | 12/01/2020 10:30:00 | 43 | 59062.5 | 8037.5 | 4125.0 | -3912.5 | 6.62 | 0.00 | -1.614 | 0.000000 |
| Gangapur 220kV | 12/01/2020 10:45:00 | 44 | 59062.5 | 8062.5 | 3084.38 | -4978.12 | 8.43 | 0.00 | 3.686 | 0.000000 |
| Gangapur 220kV | 12/01/2020 11:00:00 | 45 | 59062.5 | 8112.5 | 2353.12 | -5759.38 | 9.75 | 0.00 | -3.354 | 0.000000 |
| Gangapur 220kV | 12/01/2020 11:15:00 | 46 | 59062.5 | 8055.0 | 1925.0 | -6130.0 | 10.38 | 0.00 | -5.450 | 0.000000 |
| Gangapur 220kV | 12/01/2020 11:30:00 | 47 | 59062.5 | 8037.5 | 1150.0 | -6887.5 | 11.66 | 0.00 | -6.009 | 0.000000 |
| Gangapur 220kV | 12/01/2020 11:45:00 | 48 | 59062.5 | 8110.0 | 590.62 | -7519.38 | 12.73 | 0.00 | 2.690 | 0.000000 |
| Gangapur 220kV | 12/01/2020 12:00:00 | 49 | 59062.5 | 8162.5 | 434.38 | -7728.12 | 13.08 | 0.00 | 3.686 | 0.000000 |
| Gangapur 220kV | 12/01/2020 12:15:00 | 50 | 59062.5 | 8055.0 | 284.38 | -7770.62 | 13.16 | 0.00 | -5.345 | 0.000000 |
| Gangapur 220kV | 12/01/2020 12:30:00 | 51 | 59062.5 | 8037.5 | 181.25 | -7856.25 | 13.3 | 0.00 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Gangapur 220kV | 12/01/2020 12:45:00 | 52 | 59062.5 | 8110.0 | 56.25 | -8053.75 | 13.64 | 0.00 | -5.345 | 0.000000 |
| Gangapur 220kV | 12/01/2020 13:00:00 | 53 | 59062.5 | 8162.5 | 9.38 | -8153.12 | 13.8 | 0.00 | -3.999 | 0.000000 |
| Gangapur 220kV | 12/01/2020 13:15:00 | 54 | 59062.5 | 8162.5 | 0.0 | -8162.5 | 13.82 | 0.00 | -4.350 | 0.000000 |
| Gangapur 220kV | 12/01/2020 13:30:00 | 55 | 59062.5 | 8055.0 | 0.0 | -8055.0 | 13.64 | 0.00 | -1.076 | 0.000000 |
| Gangapur 220kV | 12/01/2020 13:45:00 | 56 | 59062.5 | 8037.5 | 0.0 | -8037.5 | 13.61 | 0.00 | -2.690 | 0.000000 |
| Gangapur 220kV | 12/01/2020 14:00:00 | 57 | 59062.5 | 8110.0 | 3.12 | -8106.88 | 13.73 | 0.00 | -0.538 | 0.000000 |
| Gangapur 220kV | 12/01/2020 14:15:00 | 58 | 59062.5 | 8162.5 | 9.38 | -8153.12 | 13.8 | 0.00 | -2.152 | 0.000000 |
| Gangapur 220kV | 12/01/2020 14:30:00 | 59 | 59062.5 | 8162.5 | 109.38 | -8053.12 | 13.63 | 0.00 | -2.690 | 0.000000 |
| Gangapur 220kV | 12/01/2020 14:45:00 | 60 | 59062.5 | 8037.5 | 271.88 | -7765.62 | 13.15 | 0.00 | -1.076 | 0.000000 |
| Gangapur 220kV | 12/01/2020 15:00:00 | 61 | 59062.5 | 8110.0 | 406.25 | -7703.75 | 13.04 | 0.00 | 0.000 | 0.000000 |
| Gangapur 220kV | 12/01/2020 15:15:00 | 62 | 59062.5 | 8162.5 | 459.38 | -7703.12 | 13.04 | 0.00 | -2.690 | 0.000000 |
| Gangapur 220kV | 12/01/2020 15:30:00 | 63 | 59062.5 | 8162.5 | 681.25 | -7481.25 | 12.67 | 0.00 | -3.022 | 0.000000 |
| Gangapur 220kV | 12/01/2020 15:45:00 | 64 | 59062.5 | 8055.0 | 700.0 | -7355.0 | 12.45 | 0.00 | -3.686 | 0.000000 |
| Gangapur 220kV | 12/01/2020 16:00:00 | 65 | 59062.5 | 8037.5 | 643.75 | -7393.75 | 12.52 | 0.00 | -3.737 | 0.000000 |
| Gangapur 220kV | 12/01/2020 16:15:00 | 66 | 59062.5 | 8110.0 | 609.38 | -7500.62 | 12.7 | 0.00 | -5.786 | 0.000000 |
| Gangapur 220kV | 12/01/2020 16:30:00 | 67 | 59062.5 | 8162.5 | 606.25 | -7556.25 | 12.79 | 0.00 | -4.350 | 0.000000 |
| Gangapur 220kV | 12/01/2020 16:45:00 | 68 | 59062.5 | 8162.5 | 521.88 | -7640.62 | 12.94 | 0.00 | -1.614 | 0.000000 |
| Gangapur 220kV | 12/01/2020 17:00:00 | 69 | 59062.5 | 8037.5 | 381.25 | -7656.25 | 12.96 | 0.00 | 0.000 | 0.000000 |
| Gangapur 220kV | 12/01/2020 17:15:00 | 70 | 59062.5 | 8062.5 | 215.62 | -7846.88 | 13.29 | 0.00 | 2.690 | 2034.333103 |
| Gangapur 220kV | 12/01/2020 17:30:00 | 71 | 59062.5 | 8112.5 | 65.62 | -8046.88 | 13.62 | 0.00 | -3.022 | 0.000000 |
| Gangapur 220kV | 12/01/2020 17:45:00 | 72 | 59062.5 | 8055.0 | 50.0 | -8005.0 | 13.55 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Gangapur 220kV | 12/01/2020 18:00:00 | 73 | 59062.5 | 8037.5 | 37.5 | -8000.0 | 13.54 | 0.00 | -0.538 | 0.000000 |
| Gangapur 220kV | 12/01/2020 18:15:00 | 74 | 59062.5 | 8110.0 | 0.0 | -8110.0 | 13.73 | 0.00 | -4.350 | 0.000000 |
| Gangapur 220kV | 12/01/2020 18:30:00 | 75 | 59062.5 | 8162.5 | 0.0 | -8162.5 | 13.82 | 0.00 | 2.690 | 1403.665519 |
| Gangapur 220kV | 12/01/2020 18:45:00 | 76 | 59062.5 | 8055.0 | 0.0 | -8055.0 | 13.64 | 0.00 | 3.022 | 8923.862436 |
| Gangapur 220kV | 12/01/2020 19:00:00 | 77 | 59062.5 | 8037.5 | 6.25 | -8031.25 | 13.6 | 0.00 | 3.686 | 2857.976606 |
| Gangapur 220kV | 12/01/2020 19:15:00 | 78 | 59062.5 | 8110.0 | 90.62 | -8019.38 | 13.58 | 0.00 | 2.690 | 169.393808 |
| Gangapur 220kV | 12/01/2020 19:30:00 | 79 | 59062.5 | 8162.5 | 137.5 | -8025.0 | 13.59 | 0.00 | -3.022 | 0.000000 |
| Gangapur 220kV | 12/01/2020 19:45:00 | 80 | 59062.5 | 8162.5 | 84.38 | -8078.12 | 13.68 | 0.00 | -1.781 | 0.000000 |
| Gangapur 220kV | 12/01/2020 20:00:00 | 81 | 59062.5 | 8055.0 | 56.25 | -7998.75 | 13.54 | 0.00 | -3.021 | 0.000000 |
| Gangapur 220kV | 12/01/2020 20:15:00 | 82 | 59062.5 | 8037.5 | 90.62 | -7946.88 | 13.46 | 0.00 | -4.018 | 0.000000 |
| Gangapur 220kV | 12/01/2020 20:30:00 | 83 | 59062.5 | 8110.0 | 68.75 | -8041.25 | 13.61 | 0.00 | -3.354 | 0.000000 |
| Gangapur 220kV | 12/01/2020 20:45:00 | 84 | 59062.5 | 8162.5 | 128.12 | -8034.38 | 13.6 | 0.00 | -1.614 | 0.000000 |
| Gangapur 220kV | 12/01/2020 21:00:00 | 85 | 59062.5 | 8162.5 | 168.75 | -7993.75 | 13.53 | 0.00 | -4.350 | 0.000000 |
| Gangapur 220kV | 12/01/2020 21:15:00 | 86 | 59062.5 | 8037.5 | 218.75 | -7818.75 | 13.24 | 0.00 | -3.686 | 0.000000 |
| Gangapur 220kV | 12/01/2020 21:30:00 | 87 | 59062.5 | 8110.0 | 168.75 | -7941.25 | 13.45 | 0.00 | -1.614 | 0.000000 |
| Gangapur 220kV | 12/01/2020 21:45:00 | 88 | 59062.5 | 8162.5 | 81.25 | -8081.25 | 13.68 | 0.00 | 0.000 | 0.000000 |
| Gangapur 220kV | 12/01/2020 22:00:00 | 89 | 59062.5 | 8162.5 | 75.0 | -8087.5 | 13.69 | 0.00 | -3.354 | 0.000000 |
| Gangapur 220kV | 12/01/2020 22:15:00 | 90 | 59062.5 | 8055.0 | 225.0 | -7830.0 | 13.26 | 0.00 | 4.350 | 9560.044801 |
| Gangapur 220kV | 12/01/2020 22:30:00 | 91 | 59062.5 | 8037.5 | 493.75 | -7543.75 | 12.77 | 0.00 | 5.215 | 17370.515413 |
| Gangapur 220kV | 12/01/2020 22:45:00 | 92 | 59062.5 | 8110.0 | 509.38 | -7600.62 | 12.87 | 0.00 | 3.022 | 1713.253315 |
| Gangapur 220kV | 12/01/2020 23:00:00 | 93 | 59062.5 | 8162.5 | 340.62 | -7821.88 | 13.24 | 0.00 | 3.022 | 3861.838771 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Gangapur 220kV | 12/01/2020 23:15:00 | 94 | 59062.5 | 8162.5 | 62.5 | -8100.0 | 13.71 | 0.00 | 2.152 | 3982.021748 |
| Gangapur 220kV | 12/01/2020 23:30:00 | 95 | 59062.5 | 8037.5 | 178.12 | -7859.38 | 13.31 | 0.00 | 2.152 | 2223.411129 |
| Gangapur 220kV | 12/01/2020 23:45:00 | 96 | 59062.5 | 8062.5 | 550.0 | -7512.5 | 12.72 | 0.00 | 2.152 | 2441.927726 |
| Ghatnandre 220kV | 06/01/2020 00:00:00 | 1 | 56537.5 | 8257.5 | 12368.75 | 4111.25 | 7.27 | 0.00 | 2.903 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 00:15:00 | 2 | 56537.5 | 8102.5 | 12671.88 | 4569.38 | 8.08 | 0.00 | 0.000 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 00:30:00 | 3 | 56537.5 | 8250.0 | 13315.62 | 5065.62 | 8.96 | 0.00 | 0.000 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 00:45:00 | 4 | 56537.5 | 8302.5 | 12800.0 | 4497.5 | 7.95 | 0.00 | -0.984 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 01:00:00 | 5 | 56537.5 | 8135.0 | 13746.88 | 5611.88 | 9.93 | 0.00 | -3.541 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 01:15:00 | 6 | 56537.5 | 10562.5 | 13581.25 | 3018.75 | 5.34 | 0.00 | 3.222 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 01:30:00 | 7 | 56537.5 | 10062.5 | 12709.38 | 2646.88 | 4.68 | 0.00 | 3.541 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 01:45:00 | 8 | 56537.5 | 9972.5 | 13350.0 | 3377.5 | 5.97 | 0.00 | 2.352 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 02:00:00 | 9 | 56537.5 | 9862.5 | 12928.12 | 3065.62 | 5.42 | 0.00 | 1.747 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 02:15:00 | 10 | 56537.5 | 9780.0 | 11856.25 | 2076.25 | 3.67 | 0.00 | 0.581 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 02:30:00 | 11 | 56537.5 | 9722.5 | 10768.75 | 1046.25 | 1.85 | 0.00 | -2.323 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 02:45:00 | 12 | 56537.5 | 14530.0 | 9668.75 | -4861.25 | 8.6 | 0.00 | 2.323 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 03:00:00 | 13 | 56537.5 | 6945.0 | 9531.25 | 2586.25 | 4.57 | 0.00 | 2.323 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 03:15:00 | 14 | 56537.5 | 6912.5 | 9596.88 | 2684.38 | 4.75 | 0.00 | -1.742 | -80.841026 |
| Ghatnandre 220kV | 06/01/2020 03:30:00 | 15 | 56537.5 | 14362.5 | 10353.12 | -4009.38 | 7.09 | 0.00 | 3.222 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 03:45:00 | 16 | 56537.5 | 14280.0 | 9609.38 | -4670.62 | 8.26 | 0.00 | 3.541 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 04:00:00 | 17 | 56537.5 | 14222.5 | 8884.38 | -5338.12 | 9.44 | 0.00 | 4.496 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 04:15:00 | 18 | 56537.5 | 14112.5 | 9753.12 | -4359.38 | 7.71 | 0.00 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ghatnandre 220kV | 06/01/2020 04:30:00 | 19 | 56537.5 | 14030.0 | 10593.75 | -3436.25 | 6.08 | 0.00 | 3.859 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 04:45:00 | 20 | 56537.5 | 12925.0 | 10953.12 | -1971.88 | 3.49 | 0.00 | 4.815 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 05:00:00 | 21 | 56537.5 | 12800.0 | 10643.75 | -2156.25 | 3.81 | 0.00 | 3.859 | 945.690106 |
| Ghatnandre 220kV | 06/01/2020 05:15:00 | 22 | 56537.5 | 12755.0 | 10615.62 | -2139.38 | 3.78 | 0.00 | 6.407 | 1693.927194 |
| Ghatnandre 220kV | 06/01/2020 05:30:00 | 23 | 56537.5 | 12887.5 | 10596.88 | -2290.62 | 4.05 | 0.00 | 6.496 | 2684.993408 |
| Ghatnandre 220kV | 06/01/2020 05:45:00 | 24 | 56537.5 | 11260.0 | 10940.62 | -319.38 | 0.56 | 0.00 | 7.492 | 202.311556 |
| Ghatnandre 220kV | 06/01/2020 06:00:00 | 25 | 56537.5 | 11232.5 | 10684.38 | -548.12 | 0.97 | 0.00 | -5.452 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 06:15:00 | 26 | 56537.5 | 11427.5 | 10937.5 | -490.0 | 0.87 | 0.00 | -6.089 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 06:30:00 | 27 | 56537.5 | 11300.0 | 9596.88 | -1703.12 | 3.01 | 0.00 | -7.044 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 06:45:00 | 28 | 56537.5 | 11355.0 | 9196.88 | -2158.12 | 3.82 | 0.00 | 7.682 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 07:00:00 | 29 | 56537.5 | 11315.0 | 8225.0 | -3090.0 | 5.47 | 0.00 | -3.859 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 07:15:00 | 30 | 56537.5 | 12562.5 | 7200.0 | -5362.5 | 9.48 | 0.00 | 4.815 | 2662.578322 |
| Ghatnandre 220kV | 06/01/2020 07:30:00 | 31 | 56537.5 | 12662.5 | 7056.25 | -5606.25 | 9.92 | 0.00 | 4.178 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 07:45:00 | 32 | 56537.5 | 12580.0 | 7425.0 | -5155.0 | 9.12 | 0.00 | -3.540 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 08:00:00 | 33 | 56537.5 | 12587.5 | 7181.25 | -5406.25 | 9.56 | 0.00 | -3.859 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 08:15:00 | 34 | 56537.5 | 12565.0 | 7340.62 | -5224.38 | 9.24 | 0.00 | -5.452 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 08:30:00 | 35 | 56537.5 | 12722.5 | 6493.75 | -6228.75 | 11.02 | 0.00 | 4.178 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 08:45:00 | 36 | 56537.5 | 12562.5 | 5453.12 | -7109.38 | 12.57 | 0.00 | -3.859 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 09:00:00 | 37 | 56537.5 | 12662.5 | 4028.12 | -8634.38 | 15.27 | 76.88 | -6.407 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 09:15:00 | 38 | 56537.5 | 12580.0 | 2515.62 | -10064.38 | 17.8 | 791.88 | -8.000 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 09:30:00 | 39 | 56537.5 | 8412.5 | 1978.12 | -6434.38 | 11.38 | 0.00 | -5.770 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ghatnandre 220kV | 06/01/2020 09:45:00 | 40 | 56537.5 | 8330.0 | 1553.12 | -6776.88 | 11.99 | 0.00 | 3.222 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 10:00:00 | 41 | 56537.5 | 8337.5 | 1303.12 | -7034.38 | 12.44 | 0.00 | -2.903 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 10:15:00 | 42 | 56537.5 | 8315.0 | 1281.25 | -7033.75 | 12.44 | 0.00 | -3.222 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 10:30:00 | 43 | 56537.5 | 8472.5 | 1309.38 | -7163.12 | 12.67 | 0.00 | 4.815 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 10:45:00 | 44 | 56537.5 | 8312.5 | 1100.0 | -7212.5 | 12.76 | 0.00 | 4.496 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 11:00:00 | 45 | 56537.5 | 8412.5 | 781.25 | -7631.25 | 13.5 | 0.00 | 16.000 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 11:15:00 | 46 | 56537.5 | 8330.0 | 512.5 | -7817.5 | 13.83 | 0.00 | 5.133 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 11:30:00 | 47 | 56537.5 | 8337.5 | 512.5 | -7825.0 | 13.84 | 0.00 | 1.182 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 11:45:00 | 48 | 56537.5 | 8315.0 | 656.25 | -7658.75 | 13.55 | 0.00 | 6.308 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 12:00:00 | 49 | 56537.5 | 8472.5 | 1037.5 | -7435.0 | 13.15 | 0.00 | 6.598 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 12:15:00 | 50 | 56537.5 | 8412.5 | 1184.38 | -7228.12 | 12.78 | 0.00 | 5.431 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 12:30:00 | 51 | 56537.5 | 8330.0 | 1125.0 | -7205.0 | 12.74 | 0.00 | 3.540 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 12:45:00 | 52 | 56537.5 | 8337.5 | 1468.75 | -6868.75 | 12.15 | 0.00 | -2.903 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 13:00:00 | 53 | 56537.5 | 8315.0 | 1521.88 | -6793.12 | 12.02 | 0.00 | -1.161 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 13:15:00 | 54 | 56537.5 | 8472.5 | 1528.12 | -6944.38 | 12.28 | 0.00 | 3.859 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 13:30:00 | 55 | 56537.5 | 8312.5 | 1328.12 | -6984.38 | 12.35 | 0.00 | -6.407 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 13:45:00 | 56 | 56537.5 | 8412.5 | 1650.0 | -6762.5 | 11.96 | 0.00 | 5.452 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 14:00:00 | 57 | 56537.5 | 8330.0 | 1734.38 | -6595.62 | 11.67 | 0.00 | 5.452 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 14:15:00 | 58 | 56537.5 | 8337.5 | 1953.12 | -6384.38 | 11.29 | 0.00 | 16.000 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 14:30:00 | 59 | 56537.5 | 8315.0 | 1800.0 | -6515.0 | 11.52 | 0.00 | 6.035 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 14:45:00 | 60 | 56537.5 | 8472.5 | 1584.38 | -6888.12 | 12.18 | 0.00 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ghatnandre 220kV | 06/01/2020 15:00:00 | 61 | 56537.5 | 8412.5 | 1015.62 | -7396.88 | 13.08 | 0.00 | 3.367 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 15:15:00 | 62 | 56537.5 | 8330.0 | 800.0 | -7530.0 | 13.32 | 0.00 | 3.904 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 15:30:00 | 63 | 56537.5 | 8337.5 | 1018.75 | -7318.75 | 12.94 | 0.00 | 4.482 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 15:45:00 | 64 | 56537.5 | 8315.0 | 1675.0 | -6640.0 | 11.74 | 0.00 | 4.225 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 16:00:00 | 65 | 56537.5 | 8472.5 | 1765.62 | -6706.88 | 11.86 | 0.00 | 2.895 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 16:15:00 | 66 | 56537.5 | 8312.5 | 2465.62 | -5846.88 | 10.34 | 0.00 | 6.089 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 16:30:00 | 67 | 56537.5 | 8412.5 | 1843.75 | -6568.75 | 11.62 | 0.00 | -8.000 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 16:45:00 | 68 | 56537.5 | 8330.0 | 1771.88 | -6558.12 | 11.6 | 0.00 | -4.178 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 17:00:00 | 69 | 56537.5 | 8337.5 | 1340.62 | -6996.88 | 12.38 | 0.00 | 1.742 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 17:15:00 | 70 | 56537.5 | 8315.0 | 462.5 | -7852.5 | 13.89 | 0.00 | 2.903 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 17:30:00 | 71 | 56537.5 | 8472.5 | 37.5 | -8435.0 | 14.92 | 0.00 | -4.178 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 17:45:00 | 72 | 56537.5 | 8272.5 | 0.0 | -8272.5 | 14.63 | 0.00 | -2.323 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 18:00:00 | 73 | 56537.5 | 8317.5 | 0.0 | -8317.5 | 14.71 | 0.00 | -2.903 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 18:15:00 | 74 | 56537.5 | 8367.5 | 0.0 | -8367.5 | 14.8 | 0.00 | 1.161 | 2176.047813 |
| Ghatnandre 220kV | 06/01/2020 18:30:00 | 75 | 56537.5 | 8322.5 | 0.0 | -8322.5 | 14.72 | 0.00 | 2.903 | 7088.553100 |
| Ghatnandre 220kV | 06/01/2020 18:45:00 | 76 | 56537.5 | 8265.0 | 0.0 | -8265.0 | 14.62 | 0.00 | 2.903 | 166.649019 |
| Ghatnandre 220kV | 06/01/2020 19:00:00 | 77 | 56537.5 | 8240.0 | 0.0 | -8240.0 | 14.57 | 0.00 | -1.161 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 19:15:00 | 78 | 56537.5 | 8320.0 | 0.0 | -8320.0 | 14.72 | 0.00 | -4.178 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 19:30:00 | 79 | 56537.5 | 8330.0 | 0.0 | -8330.0 | 14.73 | 0.00 | -2.323 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 19:45:00 | 80 | 56537.5 | 8397.5 | 0.0 | -8397.5 | 14.85 | 0.00 | -4.178 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 20:00:00 | 81 | 56537.5 | 8442.5 | 0.0 | -8442.5 | 14.93 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ghatnandre 220kV | 06/01/2020 20:15:00 | 82 | 56537.5 | 8362.5 | 0.0 | -8362.5 | 14.79 | 0.00 | -5.770 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 20:30:00 | 83 | 56537.5 | 8232.5 | 0.0 | -8232.5 | 14.56 | 0.00 | 5.770 | 1121.704280 |
| Ghatnandre 220kV | 06/01/2020 20:45:00 | 84 | 56537.5 | 8302.5 | 56.25 | -8246.25 | 14.59 | 0.00 | 4.178 | 3410.264281 |
| Ghatnandre 220kV | 06/01/2020 21:00:00 | 85 | 56537.5 | 8217.5 | 340.62 | -7876.88 | 13.93 | 0.00 | 3.222 | 1723.283680 |
| Ghatnandre 220kV | 06/01/2020 21:15:00 | 86 | 56537.5 | 8432.5 | 837.5 | -7595.0 | 13.43 | 0.00 | -1.742 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 21:30:00 | 87 | 56537.5 | 8272.5 | 1015.62 | -7256.88 | 12.84 | 0.00 | 0.000 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 21:45:00 | 88 | 56537.5 | 8317.5 | 1146.88 | -7170.62 | 12.68 | 0.00 | 1.161 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 22:00:00 | 89 | 56537.5 | 8367.5 | 1175.0 | -7192.5 | 12.72 | 0.00 | 4.815 | 4211.403494 |
| Ghatnandre 220kV | 06/01/2020 22:15:00 | 90 | 56537.5 | 8322.5 | 1093.75 | -7228.75 | 12.79 | 0.00 | 3.859 | 4366.895495 |
| Ghatnandre 220kV | 06/01/2020 22:30:00 | 91 | 56537.5 | 8265.0 | 943.75 | -7321.25 | 12.95 | 0.00 | 1.742 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 22:45:00 | 92 | 56537.5 | 8240.0 | 846.88 | -7393.12 | 13.08 | 0.00 | -2.323 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 23:00:00 | 93 | 56537.5 | 8320.0 | 1143.75 | -7176.25 | 12.69 | 0.00 | -2.903 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 23:15:00 | 94 | 56537.5 | 8330.0 | 1312.5 | -7017.5 | 12.41 | 0.00 | 2.323 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 23:30:00 | 95 | 56537.5 | 8397.5 | 1434.38 | -6963.12 | 12.32 | 0.00 | -3.222 | 0.000000 |
| Ghatnandre 220kV | 06/01/2020 23:45:00 | 96 | 56537.5 | 8362.5 | 1612.5 | -6750.0 | 11.94 | 0.00 | 2.323 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 00:00:00 | 1 | 56537.5 | 7612.5 | 1731.25 | -5881.25 | 10.4 | 0.00 | -0.549 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 00:15:00 | 2 | 56537.5 | 7662.5 | 1896.88 | -5765.62 | 10.2 | 0.00 | -1.647 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 00:30:00 | 3 | 56537.5 | 7552.5 | 1834.38 | -5718.12 | 10.11 | 0.00 | -3.073 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 00:45:00 | 4 | 56537.5 | 7537.5 | 2087.5 | -5450.0 | 9.64 | 0.00 | -2.744 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 01:00:00 | 5 | 56537.5 | 7682.5 | 2515.62 | -5166.88 | 9.14 | 0.00 | -4.058 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 01:15:00 | 6 | 56537.5 | 7522.5 | 3050.0 | -4472.5 | 7.91 | 0.00 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ghatnandre 220kV | 07/01/2020 01:30:00 | 7 | 56537.5 | 7567.5 | 3021.88 | -4545.62 | 8.04 | 0.00 | -3.401 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 01:45:00 | 8 | 56537.5 | 7617.5 | 3237.5 | -4380.0 | 7.75 | 0.00 | 3.730 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 02:00:00 | 9 | 56537.5 | 7572.5 | 3371.88 | -4200.62 | 7.43 | 0.00 | 3.073 | 914.506285 |
| Ghatnandre 220kV | 07/01/2020 02:15:00 | 10 | 56537.5 | 7515.0 | 3056.25 | -4458.75 | 7.89 | 0.00 | 3.073 | 434.057875 |
| Ghatnandre 220kV | 07/01/2020 02:30:00 | 11 | 56537.5 | 7490.0 | 2981.25 | -4508.75 | 7.97 | 0.00 | 3.401 | 613.920724 |
| Ghatnandre 220kV | 07/01/2020 02:45:00 | 12 | 56537.5 | 7570.0 | 2734.38 | -4835.62 | 8.55 | 0.00 | 2.745 | 656.707847 |
| Ghatnandre 220kV | 07/01/2020 03:00:00 | 13 | 56537.5 | 7580.0 | 2684.38 | -4895.62 | 8.66 | 0.00 | 1.647 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 03:15:00 | 14 | 56537.5 | 7647.5 | 3087.5 | -4560.0 | 8.07 | 0.00 | 2.196 | 292.536232 |
| Ghatnandre 220kV | 07/01/2020 03:30:00 | 15 | 56537.5 | 7612.5 | 4084.38 | -3528.12 | 6.24 | 0.00 | 1.647 | 301.127423 |
| Ghatnandre 220kV | 07/01/2020 03:45:00 | 16 | 56537.5 | 7612.5 | 4443.75 | -3168.75 | 5.6 | 0.00 | 1.098 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 04:00:00 | 17 | 56537.5 | 7662.5 | 4181.25 | -3481.25 | 6.16 | 0.00 | 1.647 | 1274.833457 |
| Ghatnandre 220kV | 07/01/2020 04:15:00 | 18 | 56537.5 | 7552.5 | 3906.25 | -3646.25 | 6.45 | 0.00 | 2.210 | 2610.562262 |
| Ghatnandre 220kV | 07/01/2020 04:30:00 | 19 | 56537.5 | 7537.5 | 4162.5 | -3375.0 | 5.97 | 0.00 | 3.730 | 3412.097264 |
| Ghatnandre 220kV | 07/01/2020 04:45:00 | 20 | 56537.5 | 7682.5 | 4509.38 | -3173.12 | 5.61 | 0.00 | -1.098 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 05:00:00 | 21 | 56537.5 | 7522.5 | 4428.12 | -3094.38 | 5.47 | 0.00 | -2.744 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 05:15:00 | 22 | 56537.5 | 7567.5 | 3856.25 | -3711.25 | 6.56 | 0.00 | 3.730 | 1906.537626 |
| Ghatnandre 220kV | 07/01/2020 05:30:00 | 23 | 56537.5 | 7617.5 | 3656.25 | -3961.25 | 7.01 | 0.00 | 3.073 | 4571.679542 |
| Ghatnandre 220kV | 07/01/2020 05:45:00 | 24 | 56537.5 | 7572.5 | 3350.0 | -4222.5 | 7.47 | 0.00 | 3.730 | 3785.724765 |
| Ghatnandre 220kV | 07/01/2020 06:00:00 | 25 | 56537.5 | 7515.0 | 3118.75 | -4396.25 | 7.78 | 0.00 | -5.372 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 06:15:00 | 26 | 56537.5 | 7490.0 | 3000.0 | -4490.0 | 7.94 | 0.00 | 4.556 | 14961.119398 |
| Ghatnandre 220kV | 07/01/2020 06:30:00 | 27 | 56537.5 | 7570.0 | 3043.75 | -4526.25 | 8.01 | 0.00 | 7.148 | 26112.792460 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ghatnandre 220kV | 07/01/2020 06:45:00 | 28 | 56537.5 | 7580.0 | 2693.75 | -4886.25 | 8.64 | 0.00 | 7.821 | 25849.305482 |
| Ghatnandre 220kV | 07/01/2020 07:00:00 | 29 | 56537.5 | 7647.5 | 2356.25 | -5291.25 | 9.36 | 0.00 | 5.372 | 14061.219991 |
| Ghatnandre 220kV | 07/01/2020 07:15:00 | 30 | 56537.5 | 7612.5 | 2228.12 | -5384.38 | 9.52 | 0.00 | 16.000 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 07:30:00 | 31 | 56537.5 | 7612.5 | 2000.0 | -5612.5 | 9.93 | 0.00 | 9.296 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 07:45:00 | 32 | 56537.5 | 7662.5 | 2581.25 | -5081.25 | 8.99 | 0.00 | 9.794 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 08:00:00 | 33 | 56537.5 | 7552.5 | 3318.75 | -4233.75 | 7.49 | 0.00 | 3.593 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 08:15:00 | 34 | 56537.5 | 7537.5 | 3521.88 | -4015.62 | 7.1 | 0.00 | 3.401 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 08:30:00 | 35 | 56537.5 | 7682.5 | 3496.88 | -4185.62 | 7.4 | 0.00 | 3.245 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 08:45:00 | 36 | 56537.5 | 7522.5 | 3659.38 | -3863.12 | 6.83 | 0.00 | 0.000 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 09:00:00 | 37 | 56537.5 | 7567.5 | 3434.38 | -4133.12 | 7.31 | 0.00 | 2.745 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 09:15:00 | 38 | 56537.5 | 7617.5 | 3462.5 | -4155.0 | 7.35 | 0.00 | 4.715 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 09:30:00 | 39 | 56537.5 | 7572.5 | 3665.62 | -3906.88 | 6.91 | 0.00 | 3.981 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 09:45:00 | 40 | 56537.5 | 7515.0 | 3934.38 | -3580.62 | 6.33 | 0.00 | 3.730 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 10:00:00 | 41 | 56537.5 | 7490.0 | 2656.25 | -4833.75 | 8.55 | 0.00 | 1.780 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 10:15:00 | 42 | 56537.5 | 7570.0 | 2109.38 | -5460.62 | 9.66 | 0.00 | 5.643 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 10:30:00 | 43 | 56537.5 | 7580.0 | 2031.25 | -5548.75 | 9.81 | 0.00 | 4.976 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 10:45:00 | 44 | 56537.5 | 7647.5 | 1646.88 | -6000.62 | 10.61 | 0.00 | 4.415 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 11:00:00 | 45 | 56537.5 | 7612.5 | 1353.12 | -6259.38 | 11.07 | 0.00 | 4.476 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 11:15:00 | 46 | 56537.5 | 7580.0 | 1331.25 | -6248.75 | 11.05 | 0.00 | 4.826 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 11:30:00 | 47 | 56537.5 | 7587.5 | 1331.25 | -6256.25 | 11.07 | 0.00 | 2.289 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 11:45:00 | 48 | 56537.5 | 7565.0 | 1834.38 | -5730.62 | 10.14 | 0.00 | -0.549 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ghatnandre 220kV | 07/01/2020 12:00:00 | 49 | 56537.5 | 7722.5 | 1700.0 | -6022.5 | 10.65 | 0.00 | 4.727 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 12:15:00 | 50 | 56537.5 | 7662.5 | 1140.62 | -6521.88 | 11.54 | 0.00 | 4.777 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 12:30:00 | 51 | 56537.5 | 7580.0 | 896.88 | -6683.12 | 11.82 | 0.00 | 4.798 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 12:45:00 | 52 | 56537.5 | 7587.5 | 384.38 | -7203.12 | 12.74 | 0.00 | -3.401 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 13:00:00 | 53 | 56537.5 | 7565.0 | 275.0 | -7290.0 | 12.89 | 0.00 | -2.431 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 13:15:00 | 54 | 56537.5 | 7722.5 | 462.5 | -7260.0 | 12.84 | 0.00 | -4.387 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 13:30:00 | 55 | 56537.5 | 7562.5 | 515.62 | -7046.88 | 12.46 | 0.00 | -3.401 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 13:45:00 | 56 | 56537.5 | 7662.5 | 493.75 | -7168.75 | 12.68 | 0.00 | -5.044 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 14:00:00 | 57 | 56537.5 | 7580.0 | 690.62 | -6889.38 | 12.19 | 0.00 | 4.215 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 14:15:00 | 58 | 56537.5 | 7587.5 | 1028.12 | -6559.38 | 11.6 | 0.00 | 9.552 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 14:30:00 | 59 | 56537.5 | 7565.0 | 859.38 | -6705.62 | 11.86 | 0.00 | 6.358 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 14:45:00 | 60 | 56537.5 | 7722.5 | 931.25 | -6791.25 | 12.01 | 0.00 | 2.744 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 15:00:00 | 61 | 56537.5 | 7662.5 | 825.0 | -6837.5 | 12.09 | 0.00 | -3.073 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 15:15:00 | 62 | 56537.5 | 7580.0 | 834.38 | -6745.62 | 11.93 | 0.00 | -4.058 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 15:30:00 | 63 | 56537.5 | 7587.5 | 771.88 | -6815.62 | 12.06 | 0.00 | -4.831 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 15:45:00 | 64 | 56537.5 | 7565.0 | 893.75 | -6671.25 | 11.8 | 0.00 | -5.372 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 16:00:00 | 65 | 56537.5 | 7722.5 | 821.88 | -6900.62 | 12.21 | 0.00 | 2.196 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 16:15:00 | 66 | 56537.5 | 7562.5 | 571.88 | -6990.62 | 12.36 | 0.00 | -3.401 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 16:30:00 | 67 | 56537.5 | 7662.5 | 850.0 | -6812.5 | 12.05 | 0.00 | 4.738 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 16:45:00 | 68 | 56537.5 | 7580.0 | 1093.75 | -6486.25 | 11.47 | 0.00 | 7.343 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 17:00:00 | 69 | 56537.5 | 7587.5 | 493.75 | -7093.75 | 12.55 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ghatnandre 220kV | 07/01/2020 17:15:00 | 70 | 56537.5 | 7565.0 | 465.62 | -7099.38 | 12.56 | 0.00 | 2.744 | 1180.954378 |
| Ghatnandre 220kV | 07/01/2020 17:30:00 | 71 | 56537.5 | 7722.5 | 728.12 | -6994.38 | 12.37 | 0.00 | 3.401 | 461.834972 |
| Ghatnandre 220kV | 07/01/2020 17:45:00 | 72 | 56537.5 | 7522.5 | 878.12 | -6644.38 | 11.75 | 0.00 | -2.745 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 18:00:00 | 73 | 56537.5 | 7567.5 | 1246.88 | -6320.62 | 11.18 | 0.00 | -3.073 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 18:15:00 | 74 | 56537.5 | 7617.5 | 1631.25 | -5986.25 | 10.59 | 0.00 | -5.372 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 18:30:00 | 75 | 56537.5 | 7572.5 | 1718.75 | -5853.75 | 10.35 | 0.00 | 3.401 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 18:45:00 | 76 | 56537.5 | 7515.0 | 1103.12 | -6411.88 | 11.34 | 0.00 | -3.401 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 19:00:00 | 77 | 56537.5 | 7490.0 | 1196.88 | -6293.12 | 11.13 | 0.00 | -3.730 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 19:15:00 | 78 | 56537.5 | 7570.0 | 728.12 | -6841.88 | 12.1 | 0.00 | -4.715 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 19:30:00 | 79 | 56537.5 | 8415.0 | 706.25 | -7708.75 | 13.63 | 0.00 | -4.058 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 19:45:00 | 80 | 56537.5 | 8397.5 | 443.75 | -7953.75 | 14.07 | 0.00 | -2.210 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 20:00:00 | 81 | 56537.5 | 8387.5 | 100.0 | -8287.5 | 14.66 | 0.00 | -2.348 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 20:15:00 | 82 | 56537.5 | 8362.5 | 62.5 | -8300.0 | 14.68 | 0.00 | 4.387 | 12953.411538 |
| Ghatnandre 220kV | 07/01/2020 20:30:00 | 83 | 56537.5 | 8337.5 | 565.62 | -7771.88 | 13.75 | 0.00 | 3.816 | 15859.990390 |
| Ghatnandre 220kV | 07/01/2020 20:45:00 | 84 | 56537.5 | 8312.5 | 1615.62 | -6696.88 | 11.85 | 0.00 | 3.401 | 3290.418434 |
| Ghatnandre 220kV | 07/01/2020 21:00:00 | 85 | 56537.5 | 8287.5 | 2921.88 | -5365.62 | 9.49 | 0.00 | -4.058 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 21:15:00 | 86 | 56537.5 | 8262.5 | 3478.12 | -4784.38 | 8.46 | 0.00 | 1.647 | 2535.889346 |
| Ghatnandre 220kV | 07/01/2020 21:30:00 | 87 | 56537.5 | 8245.0 | 2700.0 | -5545.0 | 9.81 | 0.00 | 2.196 | 1768.211830 |
| Ghatnandre 220kV | 07/01/2020 21:45:00 | 88 | 56537.5 | 8205.0 | 1550.0 | -6655.0 | 11.77 | 0.00 | -2.196 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 22:00:00 | 89 | 56537.5 | 8200.0 | 2853.12 | -5346.88 | 9.46 | 0.00 | -3.257 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 22:15:00 | 90 | 56537.5 | 8187.5 | 2071.88 | -6115.62 | 10.82 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ghatnandre 220kV | 07/01/2020 22:30:00 | 91 | 56537.5 | 8170.0 | 1106.25 | -7063.75 | 12.49 | 0.00 | -1.098 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 22:45:00 | 92 | 56537.5 | 8152.5 | 1246.88 | -6905.62 | 12.21 | 0.00 | -1.647 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 23:00:00 | 93 | 56537.5 | 8140.0 | 1253.12 | -6886.88 | 12.18 | 0.00 | -3.401 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 23:15:00 | 94 | 56537.5 | 8120.0 | 840.62 | -7279.38 | 12.88 | 0.00 | 1.647 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 23:30:00 | 95 | 56537.5 | 8105.0 | 800.0 | -7305.0 | 12.92 | 0.00 | -2.196 | 0.000000 |
| Ghatnandre 220kV | 07/01/2020 23:45:00 | 96 | 56537.5 | 8097.5 | 884.38 | -7213.12 | 12.76 | 0.00 | -0.549 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 00:00:00 | 1 | 56537.5 | 7612.5 | 896.88 | -6715.62 | 11.88 | 0.00 | -2.220 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 00:15:00 | 2 | 56537.5 | 7662.5 | 943.75 | -6718.75 | 11.88 | 0.00 | -3.101 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 00:30:00 | 3 | 56537.5 | 7552.5 | 1040.62 | -6511.88 | 11.52 | 0.00 | -3.101 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 00:45:00 | 4 | 56537.5 | 7537.5 | 850.0 | -6687.5 | 11.83 | 0.00 | -2.424 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 01:00:00 | 5 | 56537.5 | 7682.5 | 421.88 | -7260.62 | 12.84 | 0.00 | -2.170 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 01:15:00 | 6 | 56537.5 | 7522.5 | 196.88 | -7325.62 | 12.96 | 0.00 | -1.761 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 01:30:00 | 7 | 56537.5 | 7567.5 | 93.75 | -7473.75 | 13.22 | 0.00 | -1.665 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 01:45:00 | 8 | 56537.5 | 7617.5 | 28.12 | -7589.38 | 13.42 | 0.00 | -1.665 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 02:00:00 | 9 | 56537.5 | 7572.5 | 75.0 | -7497.5 | 13.26 | 0.00 | -1.110 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 02:15:00 | 10 | 56537.5 | 7635.0 | 225.0 | -7410.0 | 13.11 | 0.00 | -1.347 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 02:30:00 | 11 | 56537.5 | 7635.0 | 890.62 | -6744.38 | 11.93 | 0.00 | -3.101 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 02:45:00 | 12 | 56537.5 | 7570.0 | 1112.5 | -6457.5 | 11.42 | 0.00 | -2.220 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 03:00:00 | 13 | 56537.5 | 7580.0 | 1281.25 | -6298.75 | 11.14 | 0.00 | -3.428 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 03:15:00 | 14 | 56537.5 | 7647.5 | 1740.62 | -5906.88 | 10.45 | 0.00 | -2.220 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 03:30:00 | 15 | 56537.5 | 7612.5 | 1584.38 | -6028.12 | 10.66 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ghatnandre 220kV | 08/01/2020 03:45:00 | 16 | 56537.5 | 7612.5 | 1556.25 | -6056.25 | 10.71 | 0.00 | -2.775 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 04:00:00 | 17 | 56537.5 | 7662.5 | 1487.5 | -6175.0 | 10.92 | 0.00 | -3.101 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 04:15:00 | 18 | 56537.5 | 7552.5 | 1371.88 | -6180.62 | 10.93 | 0.00 | -1.665 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 04:30:00 | 19 | 56537.5 | 7537.5 | 1700.0 | -5837.5 | 10.33 | 0.00 | -2.220 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 04:45:00 | 20 | 56537.5 | 7682.5 | 1581.25 | -6101.25 | 10.79 | 0.00 | -2.775 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 05:00:00 | 21 | 56537.5 | 7522.5 | 1009.38 | -6513.12 | 11.52 | 0.00 | -1.110 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 05:15:00 | 22 | 56537.5 | 7567.5 | 462.5 | -7105.0 | 12.57 | 0.00 | 2.775 | 342.376142 |
| Ghatnandre 220kV | 08/01/2020 05:30:00 | 23 | 56537.5 | 7617.5 | 253.12 | -7364.38 | 13.03 | 0.00 | -3.428 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 05:45:00 | 24 | 56537.5 | 7572.5 | 6.25 | -7566.25 | 13.38 | 0.00 | -2.775 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 06:00:00 | 25 | 56537.5 | 7515.0 | 0.0 | -7515.0 | 13.29 | 0.00 | -2.220 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 06:15:00 | 26 | 56537.5 | 7490.0 | 0.0 | -7490.0 | 13.25 | 0.00 | 2.220 | 1533.539514 |
| Ghatnandre 220kV | 08/01/2020 06:30:00 | 27 | 56537.5 | 7570.0 | 0.0 | -7570.0 | 13.39 | 0.00 | 5.387 | 13625.714800 |
| Ghatnandre 220kV | 08/01/2020 06:45:00 | 28 | 56537.5 | 7580.0 | 0.0 | -7580.0 | 13.41 | 0.00 | -4.734 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 07:00:00 | 29 | 56537.5 | 7647.5 | 0.0 | -7647.5 | 13.53 | 0.00 | -4.407 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 07:15:00 | 30 | 56537.5 | 7612.5 | 0.0 | -7612.5 | 13.46 | 0.00 | 5.061 | 13417.667478 |
| Ghatnandre 220kV | 08/01/2020 07:30:00 | 31 | 56537.5 | 7612.5 | 6.25 | -7606.25 | 13.45 | 0.00 | 5.714 | 12827.942292 |
| Ghatnandre 220kV | 08/01/2020 07:45:00 | 32 | 56537.5 | 7662.5 | 37.5 | -7625.0 | 13.49 | 0.00 | 5.061 | 5055.637274 |
| Ghatnandre 220kV | 08/01/2020 08:00:00 | 33 | 56537.5 | 7552.5 | 0.0 | -7552.5 | 13.36 | 0.00 | 2.775 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 08:15:00 | 34 | 56537.5 | 7537.5 | 0.0 | -7537.5 | 13.33 | 0.00 | 2.775 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 08:30:00 | 35 | 56537.5 | 7682.5 | 0.0 | -7682.5 | 13.59 | 0.00 | 5.387 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 08:45:00 | 36 | 56537.5 | 7522.5 | 0.0 | -7522.5 | 13.31 | 0.00 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ghatnandre 220kV | 08/01/2020 09:00:00 | 37 | 56537.5 | 7567.5 | 0.0 | -7567.5 | 13.38 | 0.00 | 7.673 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 09:15:00 | 38 | 56537.5 | 7617.5 | 0.0 | -7617.5 | 13.47 | 0.00 | 7.673 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 09:30:00 | 39 | 56537.5 | 7572.5 | 0.0 | -7572.5 | 13.39 | 0.00 | 3.101 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 09:45:00 | 40 | 56537.5 | 7515.0 | 0.0 | -7515.0 | 13.29 | 0.00 | -3.101 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 10:00:00 | 41 | 56537.5 | 7490.0 | 0.0 | -7490.0 | 13.25 | 0.00 | -3.101 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 10:15:00 | 42 | 56537.5 | 7570.0 | 43.75 | -7526.25 | 13.31 | 0.00 | -3.101 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 10:30:00 | 43 | 56537.5 | 7580.0 | 312.5 | -7267.5 | 12.85 | 0.00 | -1.665 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 10:45:00 | 44 | 56537.5 | 7647.5 | 750.0 | -6897.5 | 12.2 | 0.00 | 0.000 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 11:00:00 | 45 | 56537.5 | 7612.5 | 903.12 | -6709.38 | 11.87 | 0.00 | -1.486 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 11:15:00 | 46 | 56537.5 | 7580.0 | 684.38 | -6895.62 | 12.2 | 0.00 | -1.305 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 11:30:00 | 47 | 56537.5 | 7587.5 | 703.12 | -6884.38 | 12.18 | 0.00 | -2.425 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 11:45:00 | 48 | 56537.5 | 7565.0 | 528.12 | -7036.88 | 12.45 | 0.00 | -2.775 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 12:00:00 | 49 | 56537.5 | 7722.5 | 731.25 | -6991.25 | 12.37 | 0.00 | -2.083 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 12:15:00 | 50 | 56537.5 | 7662.5 | 975.0 | -6687.5 | 11.83 | 0.00 | -3.242 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 12:30:00 | 51 | 56537.5 | 7580.0 | 1218.75 | -6361.25 | 11.25 | 0.00 | -1.330 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 12:45:00 | 52 | 56537.5 | 7587.5 | 1631.25 | -5956.25 | 10.54 | 0.00 | -0.830 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 13:00:00 | 53 | 56537.5 | 7565.0 | 1818.75 | -5746.25 | 10.16 | 0.00 | 2.775 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 13:15:00 | 54 | 56537.5 | 7722.5 | 1718.75 | -6003.75 | 10.62 | 0.00 | 0.000 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 13:30:00 | 55 | 56537.5 | 7562.5 | 1890.62 | -5671.88 | 10.03 | 0.00 | -1.012 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 13:45:00 | 56 | 56537.5 | 7662.5 | 1912.5 | -5750.0 | 10.17 | 0.00 | -1.087 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 14:00:00 | 57 | 56537.5 | 7580.0 | 2331.25 | -5248.75 | 9.28 | 0.00 | -3.101 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ghatnandre 220kV | 08/01/2020 14:15:00 | 58 | 56537.5 | 7587.5 | 2671.88 | -4915.62 | 8.69 | 0.00 | -4.081 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 14:30:00 | 59 | 56537.5 | 7565.0 | 2615.62 | -4949.38 | 8.75 | 0.00 | -2.996 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 14:45:00 | 60 | 56537.5 | 7722.5 | 2740.62 | -4981.88 | 8.81 | 0.00 | -3.101 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 15:00:00 | 61 | 56537.5 | 7662.5 | 2668.75 | -4993.75 | 8.83 | 0.00 | -1.879 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 15:15:00 | 62 | 56537.5 | 7580.0 | 2881.25 | -4698.75 | 8.31 | 0.00 | -4.081 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 15:30:00 | 63 | 56537.5 | 7587.5 | 2456.25 | -5131.25 | 9.08 | 0.00 | 4.938 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 15:45:00 | 64 | 56537.5 | 7565.0 | 3068.75 | -4496.25 | 7.95 | 0.00 | 4.719 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 16:00:00 | 65 | 56537.5 | 7722.5 | 2540.62 | -5181.88 | 9.17 | 0.00 | 0.555 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 16:15:00 | 66 | 56537.5 | 7562.5 | 2643.75 | -4918.75 | 8.7 | 0.00 | -4.081 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 16:30:00 | 67 | 56537.5 | 7662.5 | 2168.75 | -5493.75 | 9.72 | 0.00 | -3.754 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 16:45:00 | 68 | 56537.5 | 7580.0 | 2015.62 | -5564.38 | 9.84 | 0.00 | -8.000 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 17:00:00 | 69 | 56537.5 | 7587.5 | 1956.25 | -5631.25 | 9.96 | 0.00 | 0.000 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 17:15:00 | 70 | 56537.5 | 7565.0 | 2409.38 | -5155.62 | 9.12 | 0.00 | 4.081 | 988.978782 |
| Ghatnandre 220kV | 08/01/2020 17:30:00 | 71 | 56537.5 | 7722.5 | 2525.0 | -5197.5 | 9.19 | 0.00 | -5.387 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 17:45:00 | 72 | 56537.5 | 7522.5 | 2312.5 | -5210.0 | 9.22 | 0.00 | -3.101 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 18:00:00 | 73 | 56537.5 | 7567.5 | 2900.0 | -4667.5 | 8.26 | 0.00 | -2.775 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 18:15:00 | 74 | 56537.5 | 7617.5 | 3634.38 | -3983.12 | 7.05 | 0.00 | -3.101 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 18:30:00 | 75 | 56537.5 | 7572.5 | 4396.88 | -3175.62 | 5.62 | 0.00 | -2.220 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 18:45:00 | 76 | 56537.5 | 7515.0 | 5600.0 | -1915.0 | 3.39 | 0.00 | 2.220 | 1509.545742 |
| Ghatnandre 220kV | 08/01/2020 19:00:00 | 77 | 56537.5 | 7490.0 | 6009.38 | -1480.62 | 2.62 | 0.00 | 1.110 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 19:15:00 | 78 | 56537.5 | 7570.0 | 6690.62 | -879.38 | 1.56 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ghatnandre 220kV | 08/01/2020 19:30:00 | 79 | 56537.5 | 8415.0 | 6665.62 | -1749.38 | 3.09 | 0.00 | -2.220 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 19:45:00 | 80 | 56537.5 | 8397.5 | 6718.75 | -1678.75 | 2.97 | 0.00 | -0.555 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 20:00:00 | 81 | 56537.5 | 8387.5 | 6853.12 | -1534.38 | 2.71 | 0.00 | 2.775 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 20:15:00 | 82 | 56537.5 | 8362.5 | 6865.62 | -1496.88 | 2.65 | 0.00 | 3.101 | 2502.905282 |
| Ghatnandre 220kV | 08/01/2020 20:30:00 | 83 | 56537.5 | 8337.5 | 7175.0 | -1162.5 | 2.06 | 0.00 | 4.408 | 2633.305352 |
| Ghatnandre 220kV | 08/01/2020 20:45:00 | 84 | 56537.5 | 11302.5 | 8006.25 | -3296.25 | 5.83 | 0.00 | 3.101 | 2157.065792 |
| Ghatnandre 220kV | 08/01/2020 21:00:00 | 85 | 56537.5 | 11245.0 | 9137.5 | -2107.5 | 3.73 | 0.00 | 3.101 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 21:15:00 | 86 | 56537.5 | 11202.5 | 9343.75 | -1858.75 | 3.29 | 0.00 | -0.555 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 21:30:00 | 87 | 56537.5 | 11085.0 | 9221.88 | -1863.12 | 3.3 | 0.00 | -1.110 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 21:45:00 | 88 | 56537.5 | 10955.0 | 8915.62 | -2039.38 | 3.61 | 0.00 | -1.110 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 22:00:00 | 89 | 56537.5 | 12862.5 | 8703.12 | -4159.38 | 7.36 | 0.00 | -2.489 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 22:15:00 | 90 | 56537.5 | 13162.5 | 7440.62 | -5721.88 | 10.12 | 0.00 | -2.775 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 22:30:00 | 91 | 56537.5 | 13362.5 | 6437.5 | -6925.0 | 12.25 | 0.00 | -2.223 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 22:45:00 | 92 | 56537.5 | 13412.5 | 5728.12 | -7684.38 | 13.59 | 0.00 | 1.110 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 23:00:00 | 93 | 56537.5 | 13640.0 | 5212.5 | -8427.5 | 14.91 | 0.00 | 1.110 | 899.728346 |
| Ghatnandre 220kV | 08/01/2020 23:15:00 | 94 | 56537.5 | 13722.5 | 4962.5 | -8760.0 | 15.49 | 139.69 | 1.110 | 0.000000 |
| Ghatnandre 220kV | 08/01/2020 23:30:00 | 95 | 56537.5 | 13802.5 | 5471.88 | -8330.62 | 14.73 | 0.00 | 2.775 | 75.729662 |
| Ghatnandre 220kV | 08/01/2020 23:45:00 | 96 | 56537.5 | 13972.5 | 5778.12 | -8194.38 | 14.49 | 0.00 | 0.000 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 00:00:00 | 1 | 56537.5 | 7612.5 | 6200.0 | -1412.5 | 2.5 | 0.00 | -0.576 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 00:15:00 | 2 | 56537.5 | 7662.5 | 6053.12 | -1609.38 | 2.85 | 0.00 | -1.727 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 00:30:00 | 3 | 56537.5 | 7552.5 | 5293.75 | -2258.75 | 4.0 | 0.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ghatnandre 220kV | 09/01/2020 00:45:00 | 4 | 56537.5 | 7537.5 | 4843.75 | -2693.75 | 4.76 | 0.00 | -2.879 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 01:00:00 | 5 | 56537.5 | 7682.5 | 4312.5 | -3370.0 | 5.96 | 0.00 | -3.519 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 01:15:00 | 6 | 56537.5 | 7522.5 | 2734.38 | -4788.12 | 8.47 | 0.00 | -3.519 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 01:30:00 | 7 | 56537.5 | 7567.5 | 1743.75 | -5823.75 | 10.3 | 0.00 | -3.199 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 01:45:00 | 8 | 56537.5 | 7617.5 | 1075.0 | -6542.5 | 11.57 | 0.00 | 3.519 | 1589.745897 |
| Ghatnandre 220kV | 09/01/2020 02:00:00 | 9 | 56537.5 | 7572.5 | 706.25 | -6866.25 | 12.14 | 0.00 | 3.519 | 7559.109079 |
| Ghatnandre 220kV | 09/01/2020 02:15:00 | 10 | 56537.5 | 7635.0 | 509.38 | -7125.62 | 12.6 | 0.00 | 2.879 | 3440.515165 |
| Ghatnandre 220kV | 09/01/2020 02:30:00 | 11 | 56537.5 | 7635.0 | 371.88 | -7263.12 | 12.85 | 0.00 | 3.199 | 5045.596358 |
| Ghatnandre 220kV | 09/01/2020 02:45:00 | 12 | 56537.5 | 7570.0 | 250.0 | -7320.0 | 12.95 | 0.00 | 1.152 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 03:00:00 | 13 | 56537.5 | 7580.0 | 156.25 | -7423.75 | 13.13 | 0.00 | -2.879 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 03:15:00 | 14 | 56537.5 | 7647.5 | 396.88 | -7250.62 | 12.82 | 0.00 | -3.839 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 03:30:00 | 15 | 56537.5 | 7612.5 | 334.38 | -7278.12 | 12.87 | 0.00 | 3.199 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 03:45:00 | 16 | 56537.5 | 7612.5 | 1181.25 | -6431.25 | 11.38 | 0.00 | 0.000 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 04:00:00 | 17 | 56537.5 | 7662.5 | 2825.0 | -4837.5 | 8.56 | 0.00 | 1.727 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 04:15:00 | 18 | 56537.5 | 7552.5 | 2546.88 | -5005.62 | 8.85 | 0.00 | 1.727 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 04:30:00 | 19 | 56537.5 | 7537.5 | 3137.5 | -4400.0 | 7.78 | 0.00 | 1.727 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 04:45:00 | 20 | 56537.5 | 7682.5 | 3362.5 | -4320.0 | 7.64 | 0.00 | 2.879 | 3723.019433 |
| Ghatnandre 220kV | 09/01/2020 05:00:00 | 21 | 56537.5 | 7522.5 | 3528.12 | -3994.38 | 7.07 | 0.00 | 3.839 | 1993.909477 |
| Ghatnandre 220kV | 09/01/2020 05:15:00 | 22 | 56537.5 | 7567.5 | 3743.75 | -3823.75 | 6.76 | 0.00 | 5.119 | 5397.233767 |
| Ghatnandre 220kV | 09/01/2020 05:30:00 | 23 | 56537.5 | 7617.5 | 4559.38 | -3058.12 | 5.41 | 0.00 | 4.064 | 7866.719842 |
| Ghatnandre 220kV | 09/01/2020 05:45:00 | 24 | 56537.5 | 7572.5 | 5143.75 | -2428.75 | 4.3 | 0.00 | 1.152 | 17.134447 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ghatnandre 220kV | 09/01/2020 06:00:00 | 25 | 56537.5 | 7515.0 | 6631.25 | -883.75 | 1.56 | 0.00 | -2.303 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 06:15:00 | 26 | 56537.5 | 7490.0 | 6856.25 | -633.75 | 1.12 | 0.00 | 2.303 | 421.538198 |
| Ghatnandre 220kV | 09/01/2020 06:30:00 | 27 | 56537.5 | 7570.0 | 6365.62 | -1204.38 | 2.13 | 0.00 | -3.839 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 06:45:00 | 28 | 56537.5 | 7580.0 | 6275.0 | -1305.0 | 2.31 | 0.00 | -2.879 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 07:00:00 | 29 | 56537.5 | 7647.5 | 5231.25 | -2416.25 | 4.27 | 0.00 | -2.879 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 07:15:00 | 30 | 56537.5 | 7612.5 | 5325.0 | -2287.5 | 4.05 | 0.00 | 6.400 | 1138.046684 |
| Ghatnandre 220kV | 09/01/2020 07:30:00 | 31 | 56537.5 | 7612.5 | 5056.25 | -2556.25 | 4.52 | 0.00 | 1.172 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 07:45:00 | 32 | 56537.5 | 7662.5 | 5146.88 | -2515.62 | 4.45 | 0.00 | 0.576 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 08:00:00 | 33 | 56537.5 | 7552.5 | 5193.75 | -2358.75 | 4.17 | 0.00 | -0.576 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 08:15:00 | 34 | 56537.5 | 7537.5 | 4781.25 | -2756.25 | 4.88 | 0.00 | -1.152 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 08:30:00 | 35 | 56537.5 | 7682.5 | 4571.88 | -3110.62 | 5.5 | 0.00 | 0.576 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 08:45:00 | 36 | 56537.5 | 7522.5 | 3584.38 | -3938.12 | 6.97 | 0.00 | 0.000 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 09:00:00 | 37 | 56537.5 | 7567.5 | 3393.75 | -4173.75 | 7.38 | 0.00 | 1.152 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 09:15:00 | 38 | 56537.5 | 7617.5 | 2915.62 | -4701.88 | 8.32 | 0.00 | 1.727 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 09:30:00 | 39 | 56537.5 | 7572.5 | 2706.25 | -4866.25 | 8.61 | 0.00 | -3.839 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 09:45:00 | 40 | 56537.5 | 7515.0 | 2875.0 | -4640.0 | 8.21 | 0.00 | -1.152 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 10:00:00 | 41 | 56537.5 | 7490.0 | 3015.62 | -4474.38 | 7.91 | 0.00 | 0.000 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 10:15:00 | 42 | 56537.5 | 7570.0 | 3081.25 | -4488.75 | 7.94 | 0.00 | 1.727 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 10:30:00 | 43 | 56537.5 | 7580.0 | 2300.0 | -5280.0 | 9.34 | 0.00 | 2.303 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 10:45:00 | 44 | 56537.5 | 7647.5 | 1975.0 | -5672.5 | 10.03 | 0.00 | -1.144 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 11:00:00 | 45 | 56537.5 | 7612.5 | 1353.12 | -6259.38 | 11.07 | 0.00 | -4.479 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ghatnandre 220kV | 09/01/2020 11:15:00 | 46 | 56537.5 | 7580.0 | 540.62 | -7039.38 | 12.45 | 0.00 | -3.519 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 11:30:00 | 47 | 56537.5 | 7587.5 | 65.62 | -7521.88 | 13.3 | 0.00 | -2.303 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 11:45:00 | 48 | 56537.5 | 7565.0 | 0.0 | -7565.0 | 13.38 | 0.00 | -0.576 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 12:00:00 | 49 | 56537.5 | 7722.5 | 0.0 | -7722.5 | 13.66 | 0.00 | 0.000 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 12:15:00 | 50 | 56537.5 | 7662.5 | 0.0 | -7662.5 | 13.55 | 0.00 | 3.839 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 12:30:00 | 51 | 56537.5 | 7580.0 | 0.0 | -7580.0 | 13.41 | 0.00 | 3.199 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 12:45:00 | 52 | 56537.5 | 7587.5 | 0.0 | -7587.5 | 13.42 | 0.00 | 3.199 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 13:00:00 | 53 | 56537.5 | 7565.0 | 0.0 | -7565.0 | 13.38 | 0.00 | -1.152 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 13:15:00 | 54 | 56537.5 | 7722.5 | 0.0 | -7722.5 | 13.66 | 0.00 | -1.152 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 13:30:00 | 55 | 56537.5 | 7562.5 | 0.0 | -7562.5 | 13.38 | 0.00 | 1.727 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 13:45:00 | 56 | 56537.5 | 7662.5 | 0.0 | -7662.5 | 13.55 | 0.00 | 3.199 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 14:00:00 | 57 | 56537.5 | 7580.0 | 0.0 | -7580.0 | 13.41 | 0.00 | 4.345 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 14:15:00 | 58 | 56537.5 | 7587.5 | 0.0 | -7587.5 | 13.42 | 0.00 | 3.941 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 14:30:00 | 59 | 56537.5 | 7565.0 | 0.0 | -7565.0 | 13.38 | 0.00 | 1.152 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 14:45:00 | 60 | 56537.5 | 7722.5 | 0.0 | -7722.5 | 13.66 | 0.00 | -0.576 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 15:00:00 | 61 | 56537.5 | 7662.5 | 0.0 | -7662.5 | 13.55 | 0.00 | -1.006 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 15:15:00 | 62 | 56537.5 | 7580.0 | 0.0 | -7580.0 | 13.41 | 0.00 | 3.199 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 15:30:00 | 63 | 56537.5 | 7587.5 | 0.0 | -7587.5 | 13.42 | 0.00 | 2.879 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 15:45:00 | 64 | 56537.5 | 7565.0 | 0.0 | -7565.0 | 13.38 | 0.00 | 3.839 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 16:00:00 | 65 | 56537.5 | 7722.5 | 0.0 | -7722.5 | 13.66 | 0.00 | 1.727 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 16:15:00 | 66 | 56537.5 | 7562.5 | 0.0 | -7562.5 | 13.38 | 0.00 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ghatnandre 220kV | 09/01/2020 16:30:00 | 67 | 56537.5 | 7662.5 | 0.0 | -7662.5 | 13.55 | 0.00 | -4.159 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 16:45:00 | 68 | 56537.5 | 7580.0 | 0.0 | -7580.0 | 13.41 | 0.00 | 3.839 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 17:00:00 | 69 | 56537.5 | 7587.5 | 0.0 | -7587.5 | 13.42 | 0.00 | 1.727 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 17:15:00 | 70 | 56537.5 | 7565.0 | 0.0 | -7565.0 | 13.38 | 0.00 | 3.839 | 2600.209828 |
| Ghatnandre 220kV | 09/01/2020 17:30:00 | 71 | 56537.5 | 7722.5 | 0.0 | -7722.5 | 13.66 | 0.00 | -2.879 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 17:45:00 | 72 | 56537.5 | 7522.5 | 0.0 | -7522.5 | 13.31 | 0.00 | -4.146 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 18:00:00 | 73 | 56537.5 | 7567.5 | 0.0 | -7567.5 | 13.38 | 0.00 | -3.349 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 18:15:00 | 74 | 56537.5 | 7617.5 | 3.12 | -7614.38 | 13.47 | 0.00 | -4.563 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 18:30:00 | 75 | 56537.5 | 7572.5 | 103.12 | -7469.38 | 13.21 | 0.00 | -3.839 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 18:45:00 | 76 | 56537.5 | 7515.0 | 100.0 | -7415.0 | 13.12 | 0.00 | -2.879 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 19:00:00 | 77 | 56537.5 | 7682.5 | 118.75 | -7563.75 | 13.38 | 0.00 | -3.199 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 19:15:00 | 78 | 56537.5 | 7522.5 | 325.0 | -7197.5 | 12.73 | 0.00 | -1.727 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 19:30:00 | 79 | 56537.5 | 7567.5 | 587.5 | -6980.0 | 12.35 | 0.00 | -1.442 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 19:45:00 | 80 | 56537.5 | 7617.5 | 993.75 | -6623.75 | 11.72 | 0.00 | -0.286 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 20:00:00 | 81 | 56537.5 | 7572.5 | 1340.62 | -6231.88 | 11.02 | 0.00 | -1.070 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 20:15:00 | 82 | 56537.5 | 7515.0 | 1990.62 | -5524.38 | 9.77 | 0.00 | -2.236 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 20:30:00 | 83 | 56537.5 | 7490.0 | 2165.62 | -5324.38 | 9.42 | 0.00 | -4.799 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 20:45:00 | 84 | 56537.5 | 7570.0 | 2487.5 | -5082.5 | 8.99 | 0.00 | -1.727 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 21:00:00 | 85 | 56537.5 | 7580.0 | 2643.75 | -4936.25 | 8.73 | 0.00 | -1.727 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 21:15:00 | 86 | 56537.5 | 7647.5 | 2653.12 | -4994.38 | 8.83 | 0.00 | 1.152 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 21:30:00 | 87 | 56537.5 | 7612.5 | 2800.0 | -4812.5 | 8.51 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ghatnandre 220kV | 09/01/2020 21:45:00 | 88 | 56537.5 | 7580.0 | 2962.5 | -4617.5 | 8.17 | 0.00 | -2.303 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 22:00:00 | 89 | 56537.5 | 7587.5 | 2940.62 | -4646.88 | 8.22 | 0.00 | -2.795 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 22:15:00 | 90 | 56537.5 | 7565.0 | 3162.5 | -4402.5 | 7.79 | 0.00 | -3.674 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 22:30:00 | 91 | 56537.5 | 7722.5 | 3803.12 | -3919.38 | 6.93 | 0.00 | -2.303 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 22:45:00 | 92 | 56537.5 | 7662.5 | 4003.12 | -3659.38 | 6.47 | 0.00 | -1.152 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 23:00:00 | 93 | 56537.5 | 7580.0 | 3890.62 | -3689.38 | 6.53 | 0.00 | 0.000 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 23:15:00 | 94 | 56537.5 | 7587.5 | 4575.0 | -3012.5 | 5.33 | 0.00 | -0.576 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 23:30:00 | 95 | 56537.5 | 7565.0 | 5512.5 | -2052.5 | 3.63 | 0.00 | -0.576 | 0.000000 |
| Ghatnandre 220kV | 09/01/2020 23:45:00 | 96 | 56537.5 | 7722.5 | 5668.75 | -2053.75 | 3.63 | 0.00 | -0.987 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 00:00:00 | 1 | 56537.5 | 8112.5 | 5618.75 | -2493.75 | 4.41 | 0.00 | -0.680 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 00:15:00 | 2 | 56537.5 | 8162.5 | 5943.75 | -2218.75 | 3.92 | 0.00 | -3.326 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 00:30:00 | 3 | 56537.5 | 8052.5 | 8134.38 | 81.88 | 0.14 | 0.00 | -2.992 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 00:45:00 | 4 | 56537.5 | 8037.5 | 8531.25 | 493.75 | 0.87 | 0.00 | -0.532 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 01:00:00 | 5 | 56537.5 | 8182.5 | 8728.12 | 545.62 | 0.97 | 0.00 | -0.713 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 01:15:00 | 6 | 56537.5 | 8022.5 | 8931.25 | 908.75 | 1.61 | 0.00 | -0.548 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 01:30:00 | 7 | 56537.5 | 8067.5 | 9365.62 | 1298.12 | 2.3 | 0.00 | -2.658 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 01:45:00 | 8 | 56537.5 | 8117.5 | 10146.88 | 2029.38 | 3.59 | 0.00 | 2.127 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 02:00:00 | 9 | 56537.5 | 8072.5 | 10353.12 | 2280.62 | 4.03 | 0.00 | 5.342 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 02:15:00 | 10 | 56537.5 | 8135.0 | 10334.38 | 2199.38 | 3.89 | 0.00 | 1.595 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 02:30:00 | 11 | 56537.5 | 8135.0 | 10046.88 | 1911.88 | 3.38 | 0.00 | 3.326 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 02:45:00 | 12 | 56537.5 | 13162.5 | 9443.75 | -3718.75 | 6.58 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ghatnandre 220kV | 10/01/2020 03:00:00 | 13 | 56537.5 | 13157.5 | 9150.0 | -4007.5 | 7.09 | 0.00 | 2.658 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 03:15:00 | 14 | 56537.5 | 12832.5 | 8853.12 | -3979.38 | 7.04 | 0.00 | 2.127 | 630.981551 |
| Ghatnandre 220kV | 10/01/2020 03:30:00 | 15 | 56537.5 | 12452.5 | 8331.25 | -4121.25 | 7.29 | 0.00 | 2.127 | 774.756653 |
| Ghatnandre 220kV | 10/01/2020 03:45:00 | 16 | 56537.5 | 12177.5 | 7993.75 | -4183.75 | 7.4 | 0.00 | -1.063 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 04:00:00 | 17 | 56537.5 | 11857.5 | 7946.88 | -3910.62 | 6.92 | 0.00 | 1.595 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 04:15:00 | 18 | 56537.5 | 11627.5 | 7521.88 | -4105.62 | 7.26 | 0.00 | 3.326 | 2441.361445 |
| Ghatnandre 220kV | 10/01/2020 04:30:00 | 19 | 56537.5 | 9135.0 | 8106.25 | -1028.75 | 1.82 | 0.00 | 3.326 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 04:45:00 | 20 | 56537.5 | 9135.0 | 8562.5 | -572.5 | 1.01 | 0.00 | 2.127 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 05:00:00 | 21 | 56537.5 | 9070.0 | 8987.5 | -82.5 | 0.15 | 0.00 | 2.992 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 05:15:00 | 22 | 56537.5 | 9080.0 | 8534.38 | -545.62 | 0.97 | 0.00 | 1.063 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 05:30:00 | 23 | 56537.5 | 9147.5 | 8418.75 | -728.75 | 1.29 | 0.00 | -2.658 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 05:45:00 | 24 | 56537.5 | 9112.5 | 9096.88 | -15.62 | 0.03 | 0.00 | 2.127 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 06:00:00 | 25 | 56537.5 | 8112.5 | 9003.12 | 890.62 | 1.58 | 0.00 | -2.127 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 06:15:00 | 26 | 56537.5 | 8162.5 | 8340.62 | 178.12 | 0.32 | 0.00 | 2.658 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 06:30:00 | 27 | 56537.5 | 8052.5 | 7962.5 | -90.0 | 0.16 | 0.00 | -2.992 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 06:45:00 | 28 | 56537.5 | 8037.5 | 7843.75 | -193.75 | 0.34 | 0.00 | -3.077 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 07:00:00 | 29 | 56537.5 | 8182.5 | 7309.38 | -873.12 | 1.54 | 0.00 | -0.687 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 07:15:00 | 30 | 56537.5 | 8022.5 | 6643.75 | -1378.75 | 2.44 | 0.00 | -2.658 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 07:30:00 | 31 | 56537.5 | 9422.5 | 6634.38 | -2788.12 | 4.93 | 0.00 | -1.063 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 07:45:00 | 32 | 56537.5 | 9480.0 | 6675.0 | -2805.0 | 4.96 | 0.00 | -2.658 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 08:00:00 | 33 | 56537.5 | 9532.5 | 6750.0 | -2782.5 | 4.92 | 0.00 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ghatnandre 220kV | 10/01/2020 08:15:00 | 34 | 56537.5 | 9615.0 | 6290.62 | -3324.38 | 5.88 | 0.00 | -4.661 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 08:30:00 | 35 | 56537.5 | 9695.0 | 5868.75 | -3826.25 | 6.77 | 0.00 | 5.663 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 08:45:00 | 36 | 56537.5 | 9875.0 | 5996.88 | -3878.12 | 6.86 | 0.00 | 4.328 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 09:00:00 | 37 | 56537.5 | 8797.5 | 4303.12 | -4494.38 | 7.95 | 0.00 | -4.995 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 09:15:00 | 38 | 56537.5 | 8910.0 | 3815.62 | -5094.38 | 9.01 | 0.00 | -4.327 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 09:30:00 | 39 | 56537.5 | 8755.0 | 3881.25 | -4873.75 | 8.62 | 0.00 | -2.127 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 09:45:00 | 40 | 56537.5 | 8482.5 | 4584.38 | -3898.12 | 6.89 | 0.00 | -1.152 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 10:00:00 | 41 | 56537.5 | 8060.0 | 4215.62 | -3844.38 | 6.8 | 0.00 | 0.000 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 10:15:00 | 42 | 56537.5 | 7710.0 | 4450.0 | -3260.0 | 5.77 | 0.00 | -0.532 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 10:30:00 | 43 | 56537.5 | 7580.0 | 4400.0 | -3180.0 | 5.62 | 0.00 | -1.063 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 10:45:00 | 44 | 56537.5 | 7647.5 | 3493.75 | -4153.75 | 7.35 | 0.00 | 0.000 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 11:00:00 | 45 | 56537.5 | 7612.5 | 2937.5 | -4675.0 | 8.27 | 0.00 | 2.658 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 11:15:00 | 46 | 56537.5 | 7580.0 | 2784.38 | -4795.62 | 8.48 | 0.00 | 0.000 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 11:30:00 | 47 | 56537.5 | 7587.5 | 2743.75 | -4843.75 | 8.57 | 0.00 | -1.595 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 11:45:00 | 48 | 56537.5 | 7565.0 | 2500.0 | -5065.0 | 8.96 | 0.00 | 2.992 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 12:00:00 | 49 | 56537.5 | 7722.5 | 2040.62 | -5681.88 | 10.05 | 0.00 | 0.000 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 12:15:00 | 50 | 56537.5 | 7662.5 | 1368.75 | -6293.75 | 11.13 | 0.00 | 2.127 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 12:30:00 | 51 | 56537.5 | 7580.0 | 1106.25 | -6473.75 | 11.45 | 0.00 | 1.595 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 12:45:00 | 52 | 56537.5 | 7587.5 | 1031.25 | -6556.25 | 11.6 | 0.00 | -1.063 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 13:00:00 | 53 | 56537.5 | 7565.0 | 1278.12 | -6286.88 | 11.12 | 0.00 | 2.658 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 13:15:00 | 54 | 56537.5 | 7722.5 | 1521.88 | -6200.62 | 10.97 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ghatnandre 220kV | 10/01/2020 13:30:00 | 55 | 56537.5 | 7562.5 | 2159.38 | -5403.12 | 9.56 | 0.00 | 2.127 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 13:45:00 | 56 | 56537.5 | 7662.5 | 2012.5 | -5650.0 | 9.99 | 0.00 | -3.326 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 14:00:00 | 57 | 56537.5 | 7580.0 | 1512.5 | -6067.5 | 10.73 | 0.00 | -2.992 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 14:15:00 | 58 | 56537.5 | 7587.5 | 1106.25 | -6481.25 | 11.46 | 0.00 | 3.660 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 14:30:00 | 59 | 56537.5 | 7565.0 | 831.25 | -6733.75 | 11.91 | 0.00 | -2.127 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 14:45:00 | 60 | 56537.5 | 7722.5 | 568.75 | -7153.75 | 12.65 | 0.00 | -2.127 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 15:00:00 | 61 | 56537.5 | 7662.5 | 525.0 | -7137.5 | 12.62 | 0.00 | 0.000 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 15:15:00 | 62 | 56537.5 | 7580.0 | 440.62 | -7139.38 | 12.63 | 0.00 | -2.992 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 15:30:00 | 63 | 56537.5 | 7587.5 | 350.0 | -7237.5 | 12.8 | 0.00 | -4.995 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 15:45:00 | 64 | 56537.5 | 7565.0 | 337.5 | -7227.5 | 12.78 | 0.00 | -4.327 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 16:00:00 | 65 | 56537.5 | 7722.5 | 271.88 | -7450.62 | 13.18 | 0.00 | -4.995 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 16:15:00 | 66 | 56537.5 | 7562.5 | 165.62 | -7396.88 | 13.08 | 0.00 | -8.000 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 16:30:00 | 67 | 56537.5 | 7662.5 | 153.12 | -7509.38 | 13.28 | 0.00 | -8.000 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 16:45:00 | 68 | 56537.5 | 7580.0 | 62.5 | -7517.5 | 13.3 | 0.00 | 4.327 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 17:00:00 | 69 | 56537.5 | 7587.5 | 162.5 | -7425.0 | 13.13 | 0.00 | 0.532 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 17:15:00 | 70 | 56537.5 | 7565.0 | 259.38 | -7305.62 | 12.92 | 0.00 | -1.595 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 17:30:00 | 71 | 56537.5 | 7722.5 | 253.12 | -7469.38 | 13.21 | 0.00 | -2.658 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 17:45:00 | 72 | 56537.5 | 7522.5 | 300.0 | -7222.5 | 12.77 | 0.00 | -2.127 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 18:00:00 | 73 | 56537.5 | 7567.5 | 512.5 | -7055.0 | 12.48 | 0.00 | -1.461 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 18:15:00 | 74 | 56537.5 | 7617.5 | 653.12 | -6964.38 | 12.32 | 0.00 | 3.326 | 2447.395911 |
| Ghatnandre 220kV | 10/01/2020 18:30:00 | 75 | 56537.5 | 7572.5 | 950.0 | -6622.5 | 11.71 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ghatnandre 220kV | 10/01/2020 18:45:00 | 76 | 56537.5 | 7515.0 | 1668.75 | -5846.25 | 10.34 | 0.00 | 3.994 | 975.881705 |
| Ghatnandre 220kV | 10/01/2020 19:00:00 | 77 | 56537.5 | 7490.0 | 2128.12 | -5361.88 | 9.48 | 0.00 | -2.127 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 19:15:00 | 78 | 56537.5 | 7570.0 | 1712.5 | -5857.5 | 10.36 | 0.00 | -2.658 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 19:30:00 | 79 | 56537.5 | 8415.0 | 1900.0 | -6515.0 | 11.52 | 0.00 | -3.660 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 19:45:00 | 80 | 56537.5 | 8397.5 | 2006.25 | -6391.25 | 11.3 | 0.00 | -3.326 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 20:00:00 | 81 | 56537.5 | 8387.5 | 3046.88 | -5340.62 | 9.45 | 0.00 | 3.660 | 1301.876815 |
| Ghatnandre 220kV | 10/01/2020 20:15:00 | 82 | 56537.5 | 8362.5 | 3571.88 | -4790.62 | 8.47 | 0.00 | 3.660 | 5015.067726 |
| Ghatnandre 220kV | 10/01/2020 20:30:00 | 83 | 56537.5 | 8337.5 | 3887.5 | -4450.0 | 7.87 | 0.00 | 4.995 | 6613.416485 |
| Ghatnandre 220kV | 10/01/2020 20:45:00 | 84 | 56537.5 | 8312.5 | 4184.38 | -4128.12 | 7.3 | 0.00 | 2.992 | 4338.363254 |
| Ghatnandre 220kV | 10/01/2020 21:00:00 | 85 | 56537.5 | 8287.5 | 4268.75 | -4018.75 | 7.11 | 0.00 | -3.660 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 21:15:00 | 86 | 56537.5 | 8262.5 | 3818.75 | -4443.75 | 7.86 | 0.00 | -1.595 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 21:30:00 | 87 | 56537.5 | 8245.0 | 3131.25 | -5113.75 | 9.04 | 0.00 | -1.063 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 21:45:00 | 88 | 56537.5 | 8205.0 | 2884.38 | -5320.62 | 9.41 | 0.00 | -0.532 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 22:00:00 | 89 | 56537.5 | 8200.0 | 3268.75 | -4931.25 | 8.72 | 0.00 | -1.595 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 22:15:00 | 90 | 56537.5 | 8187.5 | 3321.88 | -4865.62 | 8.61 | 0.00 | -2.127 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 22:30:00 | 91 | 56537.5 | 8170.0 | 3721.88 | -4448.12 | 7.87 | 0.00 | 1.063 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 22:45:00 | 92 | 56537.5 | 8152.5 | 4181.25 | -3971.25 | 7.02 | 0.00 | -2.658 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 23:00:00 | 93 | 56537.5 | 8140.0 | 4356.25 | -3783.75 | 6.69 | 0.00 | -2.658 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 23:15:00 | 94 | 56537.5 | 8120.0 | 4700.0 | -3420.0 | 6.05 | 0.00 | 0.000 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 23:30:00 | 95 | 56537.5 | 8105.0 | 6603.12 | -1501.88 | 2.66 | 0.00 | 0.000 | 0.000000 |
| Ghatnandre 220kV | 10/01/2020 23:45:00 | 96 | 56537.5 | 8097.5 | 8687.5 | 590.0 | 1.04 | 0.00 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ghatnandre 220kV | 11/01/2020 00:00:00 | 1 | 56537.5 | 8112.5 | 9890.62 | 1778.12 | 3.15 | 0.00 | 0.000 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 00:15:00 | 2 | 56537.5 | 8162.5 | 9965.62 | 1803.12 | 3.19 | 0.00 | -2.629 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 00:30:00 | 3 | 56537.5 | 8052.5 | 8903.12 | 850.62 | 1.5 | 0.00 | -1.577 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 00:45:00 | 4 | 56537.5 | 8037.5 | 8978.12 | 940.62 | 1.66 | 0.00 | 2.103 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 01:00:00 | 5 | 56537.5 | 8182.5 | 9278.12 | 1095.62 | 1.94 | 0.00 | 2.964 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 01:15:00 | 6 | 56537.5 | 8022.5 | 9043.75 | 1021.25 | 1.81 | 0.00 | 1.052 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 01:30:00 | 7 | 56537.5 | 8067.5 | 9321.88 | 1254.38 | 2.22 | 0.00 | 1.577 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 01:45:00 | 8 | 56537.5 | 8117.5 | 9293.75 | 1176.25 | 2.08 | 0.00 | -0.526 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 02:00:00 | 9 | 56537.5 | 8072.5 | 9221.88 | 1149.38 | 2.03 | 0.00 | -0.403 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 02:15:00 | 10 | 56537.5 | 8135.0 | 9581.25 | 1446.25 | 2.56 | 0.00 | -0.630 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 02:30:00 | 11 | 56537.5 | 8135.0 | 9890.62 | 1755.62 | 3.11 | 0.00 | -0.526 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 02:45:00 | 12 | 56537.5 | 8815.0 | 10109.38 | 1294.38 | 2.29 | 0.00 | -0.526 | -61.639325 |
| Ghatnandre 220kV | 11/01/2020 03:00:00 | 13 | 56537.5 | 9697.5 | 10200.0 | 502.5 | 0.89 | 0.00 | -1.051 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 03:15:00 | 14 | 56537.5 | 9520.0 | 10187.5 | 667.5 | 1.18 | 0.00 | 0.000 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 03:30:00 | 15 | 56537.5 | 9617.5 | 9656.25 | 38.75 | 0.07 | 0.00 | 0.000 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 03:45:00 | 16 | 56537.5 | 9577.5 | 8737.5 | -840.0 | 1.49 | 0.00 | 0.000 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 04:00:00 | 17 | 56537.5 | 9570.0 | 7915.62 | -1654.38 | 2.93 | 0.00 | 0.000 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 04:15:00 | 18 | 56537.5 | 9552.5 | 7015.62 | -2536.88 | 4.49 | 0.00 | -1.051 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 04:30:00 | 19 | 56537.5 | 9592.5 | 6943.75 | -2648.75 | 4.68 | 0.00 | -2.964 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 04:45:00 | 20 | 56537.5 | 9547.5 | 7215.62 | -2331.88 | 4.12 | 0.00 | -3.300 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 05:00:00 | 21 | 56537.5 | 9457.5 | 7562.5 | -1895.0 | 3.35 | 0.00 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ghatnandre 220kV | 11/01/2020 05:15:00 | 22 | 56537.5 | 9197.5 | 7343.75 | -1853.75 | 3.28 | 0.00 | 5.314 | 2322.738074 |
| Ghatnandre 220kV | 11/01/2020 05:30:00 | 23 | 56537.5 | 9150.0 | 7018.75 | -2131.25 | 3.77 | 0.00 | 2.964 | 1290.368084 |
| Ghatnandre 220kV | 11/01/2020 05:45:00 | 24 | 56537.5 | 9145.0 | 6518.75 | -2626.25 | 4.65 | 0.00 | 2.103 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 06:00:00 | 25 | 56537.5 | 8015.0 | 6521.88 | -1493.12 | 2.64 | 0.00 | 3.636 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 06:15:00 | 26 | 56537.5 | 7990.0 | 6603.12 | -1386.88 | 2.45 | 0.00 | 2.964 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 06:30:00 | 27 | 56537.5 | 8070.0 | 6578.12 | -1491.88 | 2.64 | 0.00 | 4.105 | 1095.980499 |
| Ghatnandre 220kV | 11/01/2020 06:45:00 | 28 | 56537.5 | 8080.0 | 6912.5 | -1167.5 | 2.07 | 0.00 | 5.650 | 180.556576 |
| Ghatnandre 220kV | 11/01/2020 07:00:00 | 29 | 56537.5 | 8147.5 | 6959.38 | -1188.12 | 2.1 | 0.00 | 3.300 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 07:15:00 | 30 | 56537.5 | 8112.5 | 7062.5 | -1050.0 | 1.86 | 0.00 | 5.314 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 07:30:00 | 31 | 56537.5 | 8112.5 | 7259.38 | -853.12 | 1.51 | 0.00 | 2.964 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 07:45:00 | 32 | 56537.5 | 8162.5 | 6840.62 | -1321.88 | 2.34 | 0.00 | 2.103 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 08:00:00 | 33 | 56537.5 | 8052.5 | 6071.88 | -1980.62 | 3.5 | 0.00 | -1.577 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 08:15:00 | 34 | 56537.5 | 8037.5 | 4943.75 | -3093.75 | 5.47 | 0.00 | 3.300 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 08:30:00 | 35 | 56537.5 | 8182.5 | 4193.75 | -3988.75 | 7.06 | 0.00 | 2.116 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 08:45:00 | 36 | 56537.5 | 8022.5 | 3862.5 | -4160.0 | 7.36 | 0.00 | 2.964 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 09:00:00 | 37 | 56537.5 | 8067.5 | 3587.5 | -4480.0 | 7.92 | 0.00 | 6.681 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 09:15:00 | 38 | 56537.5 | 8117.5 | 3240.62 | -4876.88 | 8.63 | 0.00 | 6.657 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 09:30:00 | 39 | 56537.5 | 8072.5 | 2543.75 | -5528.75 | 9.78 | 0.00 | -6.322 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 09:45:00 | 40 | 56537.5 | 8015.0 | 2496.88 | -5518.12 | 9.76 | 0.00 | -2.103 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 10:00:00 | 41 | 56537.5 | 7990.0 | 3137.5 | -4852.5 | 8.58 | 0.00 | 0.526 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 10:15:00 | 42 | 56537.5 | 8070.0 | 3453.12 | -4616.88 | 8.17 | 0.00 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ghatnandre 220kV | 11/01/2020 10:30:00 | 43 | 56537.5 | 8080.0 | 3371.88 | -4708.12 | 8.33 | 0.00 | 0.000 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 10:45:00 | 44 | 56537.5 | 8147.5 | 3062.5 | -5085.0 | 8.99 | 0.00 | 0.000 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 11:00:00 | 45 | 56537.5 | 8112.5 | 2481.25 | -5631.25 | 9.96 | 0.00 | 0.000 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 11:15:00 | 46 | 56537.5 | 8080.0 | 1840.62 | -6239.38 | 11.04 | 0.00 | -2.964 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 11:30:00 | 47 | 56537.5 | 8087.5 | 1343.75 | -6743.75 | 11.93 | 0.00 | -4.307 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 11:45:00 | 48 | 56537.5 | 8065.0 | 890.62 | -7174.38 | 12.69 | 0.00 | -3.300 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 12:00:00 | 49 | 56537.5 | 7722.5 | 393.75 | -7328.75 | 12.96 | 0.00 | -0.526 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 12:15:00 | 50 | 56537.5 | 7662.5 | 37.5 | -7625.0 | 13.49 | 0.00 | -2.103 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 12:30:00 | 51 | 56537.5 | 7580.0 | 3.12 | -7576.88 | 13.4 | 0.00 | -2.629 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 12:45:00 | 52 | 56537.5 | 7587.5 | 6.25 | -7581.25 | 13.41 | 0.00 | -2.629 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 13:00:00 | 53 | 56537.5 | 7565.0 | 0.0 | -7565.0 | 13.38 | 0.00 | 0.000 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 13:15:00 | 54 | 56537.5 | 7722.5 | 0.0 | -7722.5 | 13.66 | 0.00 | -2.103 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 13:30:00 | 55 | 56537.5 | 7562.5 | 0.0 | -7562.5 | 13.38 | 0.00 | 2.629 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 13:45:00 | 56 | 56537.5 | 7662.5 | 0.0 | -7662.5 | 13.55 | 0.00 | 2.103 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 14:00:00 | 57 | 56537.5 | 7580.0 | 28.12 | -7551.88 | 13.36 | 0.00 | 1.051 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 14:15:00 | 58 | 56537.5 | 7587.5 | 65.62 | -7521.88 | 13.3 | 0.00 | 3.300 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 14:30:00 | 59 | 56537.5 | 7565.0 | 46.88 | -7518.12 | 13.3 | 0.00 | -3.636 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 14:45:00 | 60 | 56537.5 | 7722.5 | 81.25 | -7641.25 | 13.52 | 0.00 | 4.979 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 15:00:00 | 61 | 56537.5 | 7662.5 | 21.88 | -7640.62 | 13.51 | 0.00 | -2.964 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 15:15:00 | 62 | 56537.5 | 7580.0 | 78.12 | -7501.88 | 13.27 | 0.00 | -5.314 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 15:30:00 | 63 | 56537.5 | 7587.5 | 15.62 | -7571.88 | 13.39 | 0.00 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ghatnandre 220kV | 11/01/2020 15:45:00 | 64 | 56537.5 | 7565.0 | 146.88 | -7418.12 | 13.12 | 0.00 | 4.643 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 16:00:00 | 65 | 56537.5 | 7722.5 | 68.75 | -7653.75 | 13.54 | 0.00 | 2.103 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 16:15:00 | 66 | 56537.5 | 7562.5 | 300.0 | -7262.5 | 12.85 | 0.00 | -2.964 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 16:30:00 | 67 | 56537.5 | 7662.5 | 31.25 | -7631.25 | 13.5 | 0.00 | -2.103 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 16:45:00 | 68 | 56537.5 | 7580.0 | 25.0 | -7555.0 | 13.36 | 0.00 | 3.972 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 17:00:00 | 69 | 56537.5 | 7587.5 | 321.88 | -7265.62 | 12.85 | 0.00 | -1.577 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 17:15:00 | 70 | 56537.5 | 7565.0 | 128.12 | -7436.88 | 13.15 | 0.00 | -1.577 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 17:30:00 | 71 | 56537.5 | 7722.5 | 75.0 | -7647.5 | 13.53 | 0.00 | 1.051 | 97.577088 |
| Ghatnandre 220kV | 11/01/2020 17:45:00 | 72 | 56537.5 | 7522.5 | 337.5 | -7185.0 | 12.71 | 0.00 | -2.103 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 18:00:00 | 73 | 56537.5 | 7567.5 | 571.88 | -6995.62 | 12.37 | 0.00 | -2.964 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 18:15:00 | 74 | 56537.5 | 7617.5 | 865.62 | -6751.88 | 11.94 | 0.00 | -2.629 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 18:30:00 | 75 | 56537.5 | 7572.5 | 1000.0 | -6572.5 | 11.63 | 0.00 | 2.103 | 231.039764 |
| Ghatnandre 220kV | 11/01/2020 18:45:00 | 76 | 56537.5 | 7515.0 | 1109.38 | -6405.62 | 11.33 | 0.00 | 0.526 | 659.310177 |
| Ghatnandre 220kV | 11/01/2020 19:00:00 | 77 | 56537.5 | 7722.5 | 1496.88 | -6225.62 | 11.01 | 0.00 | 2.103 | 2545.011998 |
| Ghatnandre 220kV | 11/01/2020 19:15:00 | 78 | 56537.5 | 7562.5 | 1887.5 | -5675.0 | 10.04 | 0.00 | -1.052 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 19:30:00 | 79 | 56537.5 | 7662.5 | 1900.0 | -5762.5 | 10.19 | 0.00 | 2.964 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 19:45:00 | 80 | 56537.5 | 7580.0 | 2075.0 | -5505.0 | 9.74 | 0.00 | 2.629 | 4094.822149 |
| Ghatnandre 220kV | 11/01/2020 20:00:00 | 81 | 56537.5 | 7587.5 | 1925.0 | -5662.5 | 10.02 | 0.00 | 2.629 | 920.896417 |
| Ghatnandre 220kV | 11/01/2020 20:15:00 | 82 | 56537.5 | 7565.0 | 1800.0 | -5765.0 | 10.2 | 0.00 | 4.307 | 3091.627278 |
| Ghatnandre 220kV | 11/01/2020 20:30:00 | 83 | 56537.5 | 7722.5 | 1803.12 | -5919.38 | 10.47 | 0.00 | 2.964 | 8139.213388 |
| Ghatnandre 220kV | 11/01/2020 20:45:00 | 84 | 56537.5 | 7662.5 | 1518.75 | -6143.75 | 10.87 | 0.00 | 2.629 | 7251.485715 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ghatnandre 220kV | 11/01/2020 21:00:00 | 85 | 56537.5 | 7580.0 | 1403.12 | -6176.88 | 10.93 | 0.00 | 3.636 | 1324.125604 |
| Ghatnandre 220kV | 11/01/2020 21:15:00 | 86 | 56537.5 | 7587.5 | 1756.25 | -5831.25 | 10.31 | 0.00 | -1.577 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 21:30:00 | 87 | 56537.5 | 7565.0 | 2181.25 | -5383.75 | 9.52 | 0.00 | -1.577 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 21:45:00 | 88 | 56537.5 | 7722.5 | 2250.0 | -5472.5 | 9.68 | 0.00 | -1.052 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 22:00:00 | 89 | 56537.5 | 7562.5 | 1893.75 | -5668.75 | 10.03 | 0.00 | -5.650 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 22:15:00 | 90 | 56537.5 | 7662.5 | 1368.75 | -6293.75 | 11.13 | 0.00 | -5.650 | 0.000000 |
| Ghatnandre 220kV | 11/01/2020 22:30:00 | 91 | 56537.5 | 7580.0 | 1384.38 | -6195.62 | 10.96 | 0.00 | 4.979 | 2987.259143 |
| Ghatnandre 220kV | 11/01/2020 22:45:00 | 92 | 56537.5 | 7587.5 | 1203.12 | -6384.38 | 11.29 | 0.00 | 2.964 | 4009.281320 |
| Ghatnandre 220kV | 11/01/2020 23:00:00 | 93 | 56537.5 | 7565.0 | 1146.88 | -6418.12 | 11.35 | 0.00 | 1.577 | 1003.586946 |
| Ghatnandre 220kV | 11/01/2020 23:15:00 | 94 | 56537.5 | 7722.5 | 1371.88 | -6350.62 | 11.23 | 0.00 | 1.074 | 812.242382 |
| Ghatnandre 220kV | 11/01/2020 23:30:00 | 95 | 56537.5 | 7522.5 | 1803.12 | -5719.38 | 10.12 | 0.00 | 2.113 | 3297.156329 |
| Ghatnandre 220kV | 11/01/2020 23:45:00 | 96 | 56537.5 | 7567.5 | 1896.88 | -5670.62 | 10.03 | 0.00 | 2.162 | 4214.429522 |
| Ghatnandre 220kV | 12/01/2020 00:00:00 | 1 | 56537.5 | 8112.5 | 1387.5 | -6725.0 | 11.89 | 0.00 | 3.022 | 4136.331209 |
| Ghatnandre 220kV | 12/01/2020 00:15:00 | 2 | 56537.5 | 8162.5 | 1021.88 | -7140.62 | 12.63 | 0.00 | -2.152 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 00:30:00 | 3 | 56537.5 | 8052.5 | 881.25 | -7171.25 | 12.68 | 0.00 | -2.152 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 00:45:00 | 4 | 56537.5 | 8037.5 | 715.62 | -7321.88 | 12.95 | 0.00 | -3.022 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 01:00:00 | 5 | 56537.5 | 8182.5 | 2350.0 | -5832.5 | 10.32 | 0.00 | -0.629 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 01:15:00 | 6 | 56537.5 | 8022.5 | 2068.75 | -5953.75 | 10.53 | 0.00 | -3.317 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 01:30:00 | 7 | 56537.5 | 8067.5 | 3528.12 | -4539.38 | 8.03 | 0.00 | -3.354 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 01:45:00 | 8 | 56537.5 | 8117.5 | 4043.75 | -4073.75 | 7.21 | 0.00 | -3.022 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 02:00:00 | 9 | 56537.5 | 8072.5 | 3943.75 | -4128.75 | 7.3 | 0.00 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ghatnandre 220kV | 12/01/2020 02:15:00 | 10 | 56537.5 | 8135.0 | 4196.88 | -3938.12 | 6.97 | 0.00 | -3.022 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 02:30:00 | 11 | 56537.5 | 8135.0 | 4131.25 | -4003.75 | 7.08 | 0.00 | -2.690 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 02:45:00 | 12 | 56537.5 | 8070.0 | 4581.25 | -3488.75 | 6.17 | 0.00 | -3.022 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 03:00:00 | 13 | 56537.5 | 8080.0 | 5790.62 | -2289.38 | 4.05 | 0.00 | 3.354 | 1083.991755 |
| Ghatnandre 220kV | 12/01/2020 03:15:00 | 14 | 56537.5 | 8147.5 | 6700.0 | -1447.5 | 2.56 | 0.00 | 3.022 | 840.512548 |
| Ghatnandre 220kV | 12/01/2020 03:30:00 | 15 | 56537.5 | 8112.5 | 6887.5 | -1225.0 | 2.17 | 0.00 | 3.354 | 263.827766 |
| Ghatnandre 220kV | 12/01/2020 03:45:00 | 16 | 56537.5 | 8112.5 | 7087.5 | -1025.0 | 1.81 | 0.00 | 2.152 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 04:00:00 | 17 | 56537.5 | 8162.5 | 6434.38 | -1728.12 | 3.06 | 0.00 | -2.152 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 04:15:00 | 18 | 56537.5 | 9662.5 | 6196.88 | -3465.62 | 6.13 | 0.00 | -3.022 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 04:30:00 | 19 | 56537.5 | 9630.0 | 6437.5 | -3192.5 | 5.65 | 0.00 | 1.076 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 04:45:00 | 20 | 56537.5 | 9590.0 | 5693.75 | -3896.25 | 6.89 | 0.00 | -3.022 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 05:00:00 | 21 | 56537.5 | 9412.5 | 4662.5 | -4750.0 | 8.4 | 0.00 | 3.686 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 05:15:00 | 22 | 56537.5 | 9380.0 | 3953.12 | -5426.88 | 9.6 | 0.00 | 3.686 | 5987.316848 |
| Ghatnandre 220kV | 12/01/2020 05:30:00 | 23 | 56537.5 | 9412.5 | 2959.38 | -6453.12 | 11.41 | 0.00 | -1.614 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 05:45:00 | 24 | 56537.5 | 9162.5 | 2425.0 | -6737.5 | 11.92 | 0.00 | -0.496 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 06:00:00 | 25 | 56537.5 | 9130.0 | 2221.88 | -6908.12 | 12.22 | 0.00 | 0.000 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 06:15:00 | 26 | 56537.5 | 8862.5 | 2287.5 | -6575.0 | 11.63 | 0.00 | -0.430 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 06:30:00 | 27 | 56537.5 | 8662.5 | 2059.38 | -6603.12 | 11.68 | 0.00 | -2.152 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 06:45:00 | 28 | 56537.5 | 8080.0 | 1953.12 | -6126.88 | 10.84 | 0.00 | 4.681 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 07:00:00 | 29 | 56537.5 | 8147.5 | 1931.25 | -6216.25 | 10.99 | 0.00 | 1.614 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 07:15:00 | 30 | 56537.5 | 8112.5 | 2271.88 | -5840.62 | 10.33 | 0.00 | 3.838 | 4834.026653 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ghatnandre 220kV | 12/01/2020 07:30:00 | 31 | 56537.5 | 8112.5 | 2518.75 | -5593.75 | 9.89 | 0.00 | 3.022 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 07:45:00 | 32 | 56537.5 | 8162.5 | 2690.62 | -5471.88 | 9.68 | 0.00 | 2.690 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 08:00:00 | 33 | 56537.5 | 8052.5 | 2512.5 | -5540.0 | 9.8 | 0.00 | -2.690 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 08:15:00 | 34 | 56537.5 | 8037.5 | 1990.62 | -6046.88 | 10.7 | 0.00 | -4.018 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 08:30:00 | 35 | 56537.5 | 8182.5 | 1481.25 | -6701.25 | 11.85 | 0.00 | -2.690 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 08:45:00 | 36 | 56537.5 | 8022.5 | 1462.5 | -6560.0 | 11.6 | 0.00 | 3.022 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 09:00:00 | 37 | 56537.5 | 7722.5 | 1884.38 | -5838.12 | 10.33 | 0.00 | -3.354 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 09:15:00 | 38 | 56537.5 | 7662.5 | 2312.5 | -5350.0 | 9.46 | 0.00 | -4.350 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 09:30:00 | 39 | 56537.5 | 7580.0 | 3459.38 | -4120.62 | 7.29 | 0.00 | 2.152 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 09:45:00 | 40 | 56537.5 | 7587.5 | 3590.62 | -3996.88 | 7.07 | 0.00 | -2.690 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 10:00:00 | 41 | 56537.5 | 7565.0 | 4031.25 | -3533.75 | 6.25 | 0.00 | -3.354 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 10:15:00 | 42 | 56537.5 | 7722.5 | 4187.5 | -3535.0 | 6.25 | 0.00 | -3.686 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 10:30:00 | 43 | 56537.5 | 7562.5 | 3846.88 | -3715.62 | 6.57 | 0.00 | -1.614 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 10:45:00 | 44 | 56537.5 | 7662.5 | 3521.88 | -4140.62 | 7.32 | 0.00 | 3.686 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 11:00:00 | 45 | 56537.5 | 7580.0 | 3353.12 | -4226.88 | 7.48 | 0.00 | -3.354 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 11:15:00 | 46 | 56537.5 | 7587.5 | 2559.38 | -5028.12 | 8.89 | 0.00 | -5.450 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 11:30:00 | 47 | 56537.5 | 7565.0 | 1534.38 | -6030.62 | 10.67 | 0.00 | -6.009 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 11:45:00 | 48 | 56537.5 | 7722.5 | 1065.62 | -6656.88 | 11.77 | 0.00 | 2.690 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 12:00:00 | 49 | 56537.5 | 7662.5 | 968.75 | -6693.75 | 11.84 | 0.00 | 3.686 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 12:15:00 | 50 | 56537.5 | 7580.0 | 862.5 | -6717.5 | 11.88 | 0.00 | -5.345 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 12:30:00 | 51 | 56537.5 | 7587.5 | 696.88 | -6890.62 | 12.19 | 0.00 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ghatnandre 220kV | 12/01/2020 12:45:00 | 52 | 56537.5 | 7565.0 | 606.25 | -6958.75 | 12.31 | 0.00 | -5.345 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 13:00:00 | 53 | 56537.5 | 7722.5 | 509.38 | -7213.12 | 12.76 | 0.00 | -3.999 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 13:15:00 | 54 | 56537.5 | 7562.5 | 581.25 | -6981.25 | 12.35 | 0.00 | -4.350 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 13:30:00 | 55 | 56537.5 | 7662.5 | 318.75 | -7343.75 | 12.99 | 0.00 | -1.076 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 13:45:00 | 56 | 56537.5 | 7580.0 | 321.88 | -7258.12 | 12.84 | 0.00 | -2.690 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 14:00:00 | 57 | 56537.5 | 7587.5 | 381.25 | -7206.25 | 12.75 | 0.00 | -0.538 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 14:15:00 | 58 | 56537.5 | 7565.0 | 306.25 | -7258.75 | 12.84 | 0.00 | -2.152 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 14:30:00 | 59 | 56537.5 | 7722.5 | 206.25 | -7516.25 | 13.29 | 0.00 | -2.690 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 14:45:00 | 60 | 56537.5 | 7522.5 | 200.0 | -7322.5 | 12.95 | 0.00 | -1.076 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 15:00:00 | 61 | 56537.5 | 7567.5 | 128.12 | -7439.38 | 13.16 | 0.00 | 0.000 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 15:15:00 | 62 | 56537.5 | 7617.5 | 206.25 | -7411.25 | 13.11 | 0.00 | -2.690 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 15:30:00 | 63 | 56537.5 | 7572.5 | 109.38 | -7463.12 | 13.2 | 0.00 | -3.022 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 15:45:00 | 64 | 56537.5 | 7515.0 | 0.0 | -7515.0 | 13.29 | 0.00 | -3.686 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 16:00:00 | 65 | 56537.5 | 7722.5 | 0.0 | -7722.5 | 13.66 | 0.00 | -3.737 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 16:15:00 | 66 | 56537.5 | 7662.5 | 0.0 | -7662.5 | 13.55 | 0.00 | -5.786 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 16:30:00 | 67 | 56537.5 | 7580.0 | 0.0 | -7580.0 | 13.41 | 0.00 | -4.350 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 16:45:00 | 68 | 56537.5 | 7587.5 | 18.75 | -7568.75 | 13.39 | 0.00 | -1.614 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 17:00:00 | 69 | 56537.5 | 7565.0 | 6.25 | -7558.75 | 13.37 | 0.00 | 0.000 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 17:15:00 | 70 | 56537.5 | 7722.5 | 0.0 | -7722.5 | 13.66 | 0.00 | 2.690 | 2002.087104 |
| Ghatnandre 220kV | 12/01/2020 17:30:00 | 71 | 56537.5 | 7562.5 | 0.0 | -7562.5 | 13.38 | 0.00 | -3.022 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 17:45:00 | 72 | 56537.5 | 7662.5 | 0.0 | -7662.5 | 13.55 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ghatnandre 220kV | 12/01/2020 18:00:00 | 73 | 56537.5 | 7580.0 | 0.0 | -7580.0 | 13.41 | 0.00 | -0.538 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 18:15:00 | 74 | 56537.5 | 7587.5 | 0.0 | -7587.5 | 13.42 | 0.00 | -4.350 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 18:30:00 | 75 | 56537.5 | 7565.0 | 0.0 | -7565.0 | 13.38 | 0.00 | 2.690 | 1300.916343 |
| Ghatnandre 220kV | 12/01/2020 18:45:00 | 76 | 56537.5 | 7722.5 | 0.0 | -7722.5 | 13.66 | 0.00 | 3.022 | 8555.497008 |
| Ghatnandre 220kV | 12/01/2020 19:00:00 | 77 | 56537.5 | 7662.5 | 0.0 | -7662.5 | 13.55 | 0.00 | 3.686 | 2726.754335 |
| Ghatnandre 220kV | 12/01/2020 19:15:00 | 78 | 56537.5 | 7580.0 | 0.0 | -7580.0 | 13.41 | 0.00 | 2.690 | 160.112761 |
| Ghatnandre 220kV | 12/01/2020 19:30:00 | 79 | 56537.5 | 7587.5 | 0.0 | -7587.5 | 13.42 | 0.00 | -3.022 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 19:45:00 | 80 | 56537.5 | 7565.0 | 0.0 | -7565.0 | 13.38 | 0.00 | -1.781 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 20:00:00 | 81 | 56537.5 | 7722.5 | 0.0 | -7722.5 | 13.66 | 0.00 | -3.021 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 20:15:00 | 82 | 56537.5 | 7562.5 | 118.75 | -7443.75 | 13.17 | 0.00 | -4.018 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 20:30:00 | 83 | 56537.5 | 7662.5 | 403.12 | -7259.38 | 12.84 | 0.00 | -3.354 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 20:45:00 | 84 | 56537.5 | 7580.0 | 259.38 | -7320.62 | 12.95 | 0.00 | -1.614 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 21:00:00 | 85 | 56537.5 | 7587.5 | 103.12 | -7484.38 | 13.24 | 0.00 | -4.350 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 21:15:00 | 86 | 56537.5 | 7565.0 | 3.12 | -7561.88 | 13.37 | 0.00 | -3.686 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 21:30:00 | 87 | 56537.5 | 7722.5 | 0.0 | -7722.5 | 13.66 | 0.00 | -1.614 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 21:45:00 | 88 | 56537.5 | 7522.5 | 0.0 | -7522.5 | 13.31 | 0.00 | 0.000 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 22:00:00 | 89 | 56537.5 | 7567.5 | 0.0 | -7567.5 | 13.38 | 0.00 | -3.354 | 0.000000 |
| Ghatnandre 220kV | 12/01/2020 22:15:00 | 90 | 56537.5 | 7617.5 | 0.0 | -7617.5 | 13.47 | 0.00 | 4.350 | 9300.592642 |
| Ghatnandre 220kV | 12/01/2020 22:30:00 | 91 | 56537.5 | 7572.5 | 0.0 | -7572.5 | 13.39 | 0.00 | 5.215 | 17436.716173 |
| Ghatnandre 220kV | 12/01/2020 22:45:00 | 92 | 56537.5 | 7515.0 | 0.0 | -7515.0 | 13.29 | 0.00 | 3.022 | 1693.953722 |
| Ghatnandre 220kV | 12/01/2020 23:00:00 | 93 | 56537.5 | 8140.0 | 0.0 | -8140.0 | 14.4 | 0.00 | 3.022 | 4018.901803 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ghatnandre 220kV | 12/01/2020 23:15:00 | 94 | 56537.5 | 8120.0 | 9.38 | -8110.62 | 14.35 | 0.00 | 2.152 | 3987.242581 |
| Ghatnandre 220kV | 12/01/2020 23:30:00 | 95 | 56537.5 | 8105.0 | 109.38 | -7995.62 | 14.14 | 0.00 | 2.152 | 2261.953267 |
| Ghatnandre 220kV | 12/01/2020 23:45:00 | 96 | 56537.5 | 8097.5 | 328.12 | -7769.38 | 13.74 | 0.00 | 2.152 | 2525.426208 |
| Hiwarwadi 220kV | 06/01/2020 00:00:00 | 1 | 46875.0 | 6132.5 | 17059.38 | 10926.88 | 23.31 | 1947.82 | 2.903 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 00:15:00 | 2 | 46875.0 | 5537.5 | 17565.62 | 12028.12 | 25.66 | 2653.12 | 0.000 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 00:30:00 | 3 | 46875.0 | 5572.5 | 17468.75 | 11896.25 | 25.38 | 2521.25 | 0.000 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 00:45:00 | 4 | 46875.0 | 5640.0 | 17650.0 | 12010.0 | 25.62 | 2635.00 | -0.984 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 01:00:00 | 5 | 46875.0 | 5572.5 | 17925.0 | 12352.5 | 26.35 | 2977.50 | -3.541 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 01:15:00 | 6 | 46875.0 | 5547.5 | 18306.25 | 12758.75 | 27.22 | 3383.75 | 3.222 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 01:30:00 | 7 | 46875.0 | 5537.5 | 19325.0 | 13787.5 | 29.41 | 4412.50 | 3.541 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 01:45:00 | 8 | 46875.0 | 5412.5 | 20934.38 | 15521.88 | 33.11 | 6146.88 | 2.352 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 02:00:00 | 9 | 46875.0 | 5477.5 | 21540.62 | 16063.12 | 34.27 | 6688.12 | 1.747 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 02:15:00 | 10 | 46875.0 | 5300.0 | 22281.25 | 16981.25 | 36.23 | 7893.75 | 0.581 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 02:30:00 | 11 | 46875.0 | 5512.5 | 23431.25 | 17918.75 | 38.23 | 9300.00 | -2.323 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 02:45:00 | 12 | 46875.0 | 5572.5 | 23581.25 | 18008.75 | 38.42 | 9435.00 | 2.323 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 03:00:00 | 13 | 46875.0 | 5640.0 | 23668.75 | 18028.75 | 38.46 | 9465.00 | 2.323 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 03:15:00 | 14 | 46875.0 | 5572.5 | 24934.38 | 19361.88 | 41.31 | 11464.70 | -1.742 | -583.089661 |
| Hiwarwadi 220kV | 06/01/2020 03:30:00 | 15 | 46875.0 | 5615.0 | 25509.38 | 19894.38 | 42.44 | 12263.45 | 3.222 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 03:45:00 | 16 | 46875.0 | 5612.5 | 25621.88 | 20009.38 | 42.69 | 12435.95 | 3.541 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 04:00:00 | 17 | 46875.0 | 5447.5 | 25159.38 | 19711.88 | 42.05 | 11989.70 | 4.496 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 04:15:00 | 18 | 46875.0 | 5402.5 | 24918.75 | 19516.25 | 41.63 | 11696.25 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Hiwarwadi 220kV | 06/01/2020 04:30:00 | 19 | 46875.0 | 5437.5 | 24362.5 | 18925.0 | 40.37 | 10809.38 | 3.859 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 04:45:00 | 20 | 46875.0 | 5497.5 | 23884.38 | 18386.88 | 39.23 | 10002.20 | 4.815 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 05:00:00 | 21 | 46875.0 | 5565.0 | 23965.62 | 18400.62 | 39.25 | 10022.81 | 3.859 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 05:15:00 | 22 | 46875.0 | 5497.5 | 23593.75 | 18096.25 | 38.61 | 9566.25 | 6.407 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 05:30:00 | 23 | 46875.0 | 5797.5 | 23981.25 | 18183.75 | 38.79 | 9697.50 | 6.496 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 05:45:00 | 24 | 46875.0 | 5787.5 | 23337.5 | 17550.0 | 37.44 | 8746.88 | 7.492 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 06:00:00 | 25 | 46875.0 | 5662.5 | 23143.75 | 17481.25 | 37.29 | 8643.75 | -5.452 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 06:15:00 | 26 | 46875.0 | 5727.5 | 22500.0 | 16772.5 | 35.78 | 7580.63 | -6.089 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 06:30:00 | 27 | 46875.0 | 5550.0 | 22150.0 | 16600.0 | 35.41 | 7321.88 | -7.044 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 06:45:00 | 28 | 46875.0 | 5762.5 | 22137.5 | 16375.0 | 34.93 | 7000.00 | 7.682 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 07:00:00 | 29 | 46875.0 | 5822.5 | 21375.0 | 15552.5 | 33.18 | 6177.50 | -3.859 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 07:15:00 | 30 | 46875.0 | 5890.0 | 19665.62 | 13775.62 | 29.39 | 4400.62 | 4.815 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 07:30:00 | 31 | 46875.0 | 5822.5 | 19281.25 | 13458.75 | 28.71 | 4083.75 | 4.178 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 07:45:00 | 32 | 46875.0 | 5865.0 | 19087.5 | 13222.5 | 28.21 | 3847.50 | -3.540 | -5849.318566 |
| Hiwarwadi 220kV | 06/01/2020 08:00:00 | 33 | 46875.0 | 5862.5 | 18431.25 | 12568.75 | 26.81 | 3193.75 | -3.859 | -3309.668676 |
| Hiwarwadi 220kV | 06/01/2020 08:15:00 | 34 | 46875.0 | 5772.5 | 18271.88 | 12499.38 | 26.67 | 3124.38 | -5.452 | -1073.953125 |
| Hiwarwadi 220kV | 06/01/2020 08:30:00 | 35 | 46875.0 | 5567.5 | 18171.88 | 12604.38 | 26.89 | 3229.38 | 4.178 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 08:45:00 | 36 | 46875.0 | 5542.5 | 17721.88 | 12179.38 | 25.98 | 2804.38 | -3.859 | -1234.064985 |
| Hiwarwadi 220kV | 06/01/2020 09:00:00 | 37 | 46875.0 | 5497.5 | 16450.0 | 10952.5 | 23.37 | 1960.63 | -6.407 | -3431.933968 |
| Hiwarwadi 220kV | 06/01/2020 09:15:00 | 38 | 46875.0 | 5472.5 | 15203.12 | 9730.62 | 20.76 | 1349.69 | -8.000 | -1547.116454 |
| Hiwarwadi 220kV | 06/01/2020 09:30:00 | 39 | 46875.0 | 5565.0 | 13440.62 | 7875.62 | 16.8 | 422.19 | -5.770 | -542.090964 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Hiwarwadi 220kV | 06/01/2020 09:45:00 | 40 | 46875.0 | 5315.0 | 12325.0 | 7010.0 | 14.95 | 0.00 | 3.222 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 10:00:00 | 41 | 46875.0 | 5290.0 | 10078.12 | 4788.12 | 10.21 | 0.00 | -2.903 | -653.326257 |
| Hiwarwadi 220kV | 06/01/2020 10:15:00 | 42 | 46875.0 | 5172.5 | 7981.25 | 2808.75 | 5.99 | 0.00 | -3.222 | -78.986824 |
| Hiwarwadi 220kV | 06/01/2020 10:30:00 | 43 | 46875.0 | 5217.5 | 6446.88 | 1229.38 | 2.62 | 0.00 | 4.815 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 10:45:00 | 44 | 46875.0 | 5337.5 | 5371.88 | 34.38 | 0.07 | 0.00 | 4.496 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 11:00:00 | 45 | 46875.0 | 5402.5 | 5521.88 | 119.38 | 0.25 | 0.00 | 16.000 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 11:15:00 | 46 | 46875.0 | 5437.5 | 4675.0 | -762.5 | 1.63 | 0.00 | 5.133 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 11:30:00 | 47 | 46875.0 | 5497.5 | 4325.0 | -1172.5 | 2.5 | 0.00 | 1.182 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 11:45:00 | 48 | 46875.0 | 5565.0 | 3378.12 | -2186.88 | 4.67 | 0.00 | 6.308 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 12:00:00 | 49 | 46875.0 | 5497.5 | 2690.62 | -2806.88 | 5.99 | 0.00 | 6.598 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 12:15:00 | 50 | 46875.0 | 5472.5 | 2259.38 | -3213.12 | 6.85 | 0.00 | 5.431 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 12:30:00 | 51 | 46875.0 | 5462.5 | 2265.62 | -3196.88 | 6.82 | 0.00 | 3.540 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 12:45:00 | 52 | 46875.0 | 5497.5 | 1915.62 | -3581.88 | 7.64 | 0.00 | -2.903 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 13:00:00 | 53 | 46875.0 | 5565.0 | 1893.75 | -3671.25 | 7.83 | 0.00 | -1.161 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 13:15:00 | 54 | 46875.0 | 5497.5 | 1643.75 | -3853.75 | 8.22 | 0.00 | 3.859 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 13:30:00 | 55 | 46875.0 | 5472.5 | 1690.62 | -3781.88 | 8.07 | 0.00 | -6.407 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 13:45:00 | 56 | 46875.0 | 5462.5 | 2684.38 | -2778.12 | 5.93 | 0.00 | 5.452 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 14:00:00 | 57 | 46875.0 | 5337.5 | 2162.5 | -3175.0 | 6.77 | 0.00 | 5.452 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 14:15:00 | 58 | 46875.0 | 5402.5 | 1771.88 | -3630.62 | 7.75 | 0.00 | 16.000 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 14:30:00 | 59 | 46875.0 | 5225.0 | 1559.38 | -3665.62 | 7.82 | 0.00 | 6.035 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 14:45:00 | 60 | 46875.0 | 5437.5 | 2215.62 | -3221.88 | 6.87 | 0.00 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Hiwarwadi 220kV | 06/01/2020 15:00:00 | 61 | 46875.0 | 5497.5 | 2784.38 | -2713.12 | 5.79 | 0.00 | 3.367 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 15:15:00 | 62 | 46875.0 | 5565.0 | 1981.25 | -3583.75 | 7.65 | 0.00 | 3.904 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 15:30:00 | 63 | 46875.0 | 5497.5 | 2125.0 | -3372.5 | 7.19 | 0.00 | 4.482 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 15:45:00 | 64 | 46875.0 | 5540.0 | 2250.0 | -3290.0 | 7.02 | 0.00 | 4.225 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 16:00:00 | 65 | 46875.0 | 5537.5 | 2037.5 | -3500.0 | 7.47 | 0.00 | 2.895 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 16:15:00 | 66 | 46875.0 | 5447.5 | 2140.62 | -3306.88 | 7.05 | 0.00 | 6.089 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 16:30:00 | 67 | 46875.0 | 5497.5 | 2081.25 | -3416.25 | 7.29 | 0.00 | -8.000 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 16:45:00 | 68 | 46875.0 | 5472.5 | 1556.25 | -3916.25 | 8.35 | 0.00 | -4.178 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 17:00:00 | 69 | 46875.0 | 5565.0 | 1400.0 | -4165.0 | 8.89 | 0.00 | 1.742 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 17:15:00 | 70 | 46875.0 | 5315.0 | 912.5 | -4402.5 | 9.39 | 0.00 | 2.903 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 17:30:00 | 71 | 46875.0 | 5290.0 | 978.12 | -4311.88 | 9.2 | 0.00 | -4.178 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 17:45:00 | 72 | 46875.0 | 5172.5 | 965.62 | -4206.88 | 8.97 | 0.00 | -2.323 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 18:00:00 | 73 | 46875.0 | 5217.5 | 440.62 | -4776.88 | 10.19 | 0.00 | -2.903 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 18:15:00 | 74 | 46875.0 | 5337.5 | 209.38 | -5128.12 | 10.94 | 0.00 | 1.161 | 1333.616298 |
| Hiwarwadi 220kV | 06/01/2020 18:30:00 | 75 | 46875.0 | 5402.5 | 6.25 | -5396.25 | 11.51 | 0.00 | 2.903 | 4596.167593 |
| Hiwarwadi 220kV | 06/01/2020 18:45:00 | 76 | 46875.0 | 5437.5 | 0.0 | -5437.5 | 11.6 | 0.00 | 2.903 | 109.637512 |
| Hiwarwadi 220kV | 06/01/2020 19:00:00 | 77 | 46875.0 | 5497.5 | 0.0 | -5497.5 | 11.73 | 0.00 | -1.161 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 19:15:00 | 78 | 46875.0 | 5565.0 | 0.0 | -5565.0 | 11.87 | 0.00 | -4.178 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 19:30:00 | 79 | 46875.0 | 5497.5 | 0.0 | -5497.5 | 11.73 | 0.00 | -2.323 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 19:45:00 | 80 | 46875.0 | 5472.5 | 0.0 | -5472.5 | 11.67 | 0.00 | -4.178 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 20:00:00 | 81 | 46875.0 | 5462.5 | 0.0 | -5462.5 | 11.65 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Hiwarwadi 220kV | 06/01/2020 20:15:00 | 82 | 46875.0 | 5497.5 | 34.38 | -5463.12 | 11.65 | 0.00 | -5.770 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 20:30:00 | 83 | 46875.0 | 5565.0 | 484.38 | -5080.62 | 10.84 | 0.00 | 5.770 | 692.250617 |
| Hiwarwadi 220kV | 06/01/2020 20:45:00 | 84 | 46875.0 | 5497.5 | 1659.38 | -3838.12 | 8.19 | 0.00 | 4.178 | 1587.267366 |
| Hiwarwadi 220kV | 06/01/2020 21:00:00 | 85 | 46875.0 | 5472.5 | 2725.0 | -2747.5 | 5.86 | 0.00 | 3.222 | 601.091038 |
| Hiwarwadi 220kV | 06/01/2020 21:15:00 | 86 | 46875.0 | 5462.5 | 4009.38 | -1453.12 | 3.1 | 0.00 | -1.742 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 21:30:00 | 87 | 46875.0 | 5337.5 | 4240.62 | -1096.88 | 2.34 | 0.00 | 0.000 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 21:45:00 | 88 | 46875.0 | 5402.5 | 4078.12 | -1324.38 | 2.83 | 0.00 | 1.161 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 22:00:00 | 89 | 46875.0 | 5225.0 | 4225.0 | -1000.0 | 2.13 | 0.00 | 4.815 | 585.527070 |
| Hiwarwadi 220kV | 06/01/2020 22:15:00 | 90 | 46875.0 | 5437.5 | 4940.62 | -496.88 | 1.06 | 0.00 | 3.859 | 300.165705 |
| Hiwarwadi 220kV | 06/01/2020 22:30:00 | 91 | 46875.0 | 5497.5 | 6012.5 | 515.0 | 1.1 | 0.00 | 1.742 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 22:45:00 | 92 | 46875.0 | 5565.0 | 6328.12 | 763.12 | 1.63 | 0.00 | -2.323 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 23:00:00 | 93 | 46875.0 | 5497.5 | 5262.5 | -235.0 | 0.5 | 0.00 | -2.903 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 23:15:00 | 94 | 46875.0 | 5540.0 | 4240.62 | -1299.38 | 2.77 | 0.00 | 2.323 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 23:30:00 | 95 | 46875.0 | 5537.5 | 4359.38 | -1178.12 | 2.51 | 0.00 | -3.222 | 0.000000 |
| Hiwarwadi 220kV | 06/01/2020 23:45:00 | 96 | 46875.0 | 5447.5 | 4218.75 | -1228.75 | 2.62 | 0.00 | 2.323 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 00:00:00 | 1 | 46875.0 | 6132.5 | 4084.38 | -2048.12 | 4.37 | 0.00 | -0.549 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 00:15:00 | 2 | 46875.0 | 5537.5 | 4062.5 | -1475.0 | 3.15 | 0.00 | -1.647 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 00:30:00 | 3 | 46875.0 | 5572.5 | 3690.62 | -1881.88 | 4.01 | 0.00 | -3.073 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 00:45:00 | 4 | 46875.0 | 5640.0 | 3668.75 | -1971.25 | 4.21 | 0.00 | -2.744 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 01:00:00 | 5 | 46875.0 | 5572.5 | 4100.0 | -1472.5 | 3.14 | 0.00 | -4.058 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 01:15:00 | 6 | 46875.0 | 5547.5 | 4306.25 | -1241.25 | 2.65 | 0.00 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Hiwarwadi 220kV | 07/01/2020 01:30:00 | 7 | 46875.0 | 5537.5 | 4003.12 | -1534.38 | 3.27 | 0.00 | -3.401 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 01:45:00 | 8 | 46875.0 | 5412.5 | 3537.5 | -1875.0 | 4.0 | 0.00 | 3.730 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 02:00:00 | 9 | 46875.0 | 5477.5 | 3459.38 | -2018.12 | 4.31 | 0.00 | 3.073 | 439.359752 |
| Hiwarwadi 220kV | 07/01/2020 02:15:00 | 10 | 46875.0 | 5300.0 | 3881.25 | -1418.75 | 3.03 | 0.00 | 3.073 | 138.114857 |
| Hiwarwadi 220kV | 07/01/2020 02:30:00 | 11 | 46875.0 | 5512.5 | 4240.62 | -1271.88 | 2.71 | 0.00 | 3.401 | 173.181809 |
| Hiwarwadi 220kV | 07/01/2020 02:45:00 | 12 | 46875.0 | 5572.5 | 4078.12 | -1494.38 | 3.19 | 0.00 | 2.745 | 202.946271 |
| Hiwarwadi 220kV | 07/01/2020 03:00:00 | 13 | 46875.0 | 5640.0 | 3868.75 | -1771.25 | 3.78 | 0.00 | 1.647 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 03:15:00 | 14 | 46875.0 | 5572.5 | 3981.25 | -1591.25 | 3.39 | 0.00 | 2.196 | 102.082958 |
| Hiwarwadi 220kV | 07/01/2020 03:30:00 | 15 | 46875.0 | 5615.0 | 4306.25 | -1308.75 | 2.79 | 0.00 | 1.647 | 111.702699 |
| Hiwarwadi 220kV | 07/01/2020 03:45:00 | 16 | 46875.0 | 5612.5 | 3887.5 | -1725.0 | 3.68 | 0.00 | 1.098 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 04:00:00 | 17 | 46875.0 | 5447.5 | 3493.75 | -1953.75 | 4.17 | 0.00 | 1.647 | 715.463091 |
| Hiwarwadi 220kV | 07/01/2020 04:15:00 | 18 | 46875.0 | 5402.5 | 3112.5 | -2290.0 | 4.89 | 0.00 | 2.210 | 1639.544103 |
| Hiwarwadi 220kV | 07/01/2020 04:30:00 | 19 | 46875.0 | 5437.5 | 2587.5 | -2850.0 | 6.08 | 0.00 | 3.730 | 2881.326519 |
| Hiwarwadi 220kV | 07/01/2020 04:45:00 | 20 | 46875.0 | 5497.5 | 1962.5 | -3535.0 | 7.54 | 0.00 | -1.098 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 05:00:00 | 21 | 46875.0 | 5565.0 | 1506.25 | -4058.75 | 8.66 | 0.00 | -2.744 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 05:15:00 | 22 | 46875.0 | 5497.5 | 1762.5 | -3735.0 | 7.97 | 0.00 | 3.730 | 1918.738414 |
| Hiwarwadi 220kV | 07/01/2020 05:30:00 | 23 | 46875.0 | 5797.5 | 1853.12 | -3944.38 | 8.41 | 0.00 | 3.073 | 4552.209890 |
| Hiwarwadi 220kV | 07/01/2020 05:45:00 | 24 | 46875.0 | 5787.5 | 1453.12 | -4334.38 | 9.25 | 0.00 | 3.730 | 3886.031958 |
| Hiwarwadi 220kV | 07/01/2020 06:00:00 | 25 | 46875.0 | 5662.5 | 950.0 | -4712.5 | 10.05 | 0.00 | -5.372 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 06:15:00 | 26 | 46875.0 | 5727.5 | 896.88 | -4830.62 | 10.31 | 0.00 | 4.556 | 16096.098291 |
| Hiwarwadi 220kV | 07/01/2020 06:30:00 | 27 | 46875.0 | 5550.0 | 1115.62 | -4434.38 | 9.46 | 0.00 | 7.148 | 25582.776874 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Hiwarwadi 220kV | 07/01/2020 06:45:00 | 28 | 46875.0 | 5762.5 | 1578.12 | -4184.38 | 8.93 | 0.00 | 7.821 | 22136.263353 |
| Hiwarwadi 220kV | 07/01/2020 07:00:00 | 29 | 46875.0 | 5822.5 | 2303.12 | -3519.38 | 7.51 | 0.00 | 5.372 | 9352.568101 |
| Hiwarwadi 220kV | 07/01/2020 07:15:00 | 30 | 46875.0 | 5890.0 | 3653.12 | -2236.88 | 4.77 | 0.00 | 16.000 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 07:30:00 | 31 | 46875.0 | 5822.5 | 3881.25 | -1941.25 | 4.14 | 0.00 | 9.296 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 07:45:00 | 32 | 46875.0 | 5865.0 | 3537.5 | -2327.5 | 4.97 | 0.00 | 9.794 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 08:00:00 | 33 | 46875.0 | 5862.5 | 4256.25 | -1606.25 | 3.43 | 0.00 | 3.593 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 08:15:00 | 34 | 46875.0 | 5772.5 | 4653.12 | -1119.38 | 2.39 | 0.00 | 3.401 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 08:30:00 | 35 | 46875.0 | 5567.5 | 4862.5 | -705.0 | 1.5 | 0.00 | 3.245 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 08:45:00 | 36 | 46875.0 | 5542.5 | 5334.38 | -208.12 | 0.44 | 0.00 | 0.000 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 09:00:00 | 37 | 46875.0 | 5497.5 | 6031.25 | 533.75 | 1.14 | 0.00 | 2.745 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 09:15:00 | 38 | 46875.0 | 5472.5 | 5337.5 | -135.0 | 0.29 | 0.00 | 4.715 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 09:30:00 | 39 | 46875.0 | 5565.0 | 3990.62 | -1574.38 | 3.36 | 0.00 | 3.981 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 09:45:00 | 40 | 46875.0 | 5315.0 | 2809.38 | -2505.62 | 5.35 | 0.00 | 3.730 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 10:00:00 | 41 | 46875.0 | 5290.0 | 2421.88 | -2868.12 | 6.12 | 0.00 | 1.780 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 10:15:00 | 42 | 46875.0 | 5172.5 | 2706.25 | -2466.25 | 5.26 | 0.00 | 5.643 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 10:30:00 | 43 | 46875.0 | 5217.5 | 2768.75 | -2448.75 | 5.22 | 0.00 | 4.976 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 10:45:00 | 44 | 46875.0 | 5337.5 | 3290.62 | -2046.88 | 4.37 | 0.00 | 4.415 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 11:00:00 | 45 | 46875.0 | 5402.5 | 3400.0 | -2002.5 | 4.27 | 0.00 | 4.476 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 11:15:00 | 46 | 46875.0 | 5437.5 | 2796.88 | -2640.62 | 5.63 | 0.00 | 4.826 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 11:30:00 | 47 | 46875.0 | 5497.5 | 3021.88 | -2475.62 | 5.28 | 0.00 | 2.289 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 11:45:00 | 48 | 46875.0 | 5565.0 | 2921.88 | -2643.12 | 5.64 | 0.00 | -0.549 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Hiwarwadi 220kV | 07/01/2020 12:00:00 | 49 | 46875.0 | 5497.5 | 2756.25 | -2741.25 | 5.85 | 0.00 | 4.727 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 12:15:00 | 50 | 46875.0 | 5472.5 | 2390.62 | -3081.88 | 6.57 | 0.00 | 4.777 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 12:30:00 | 51 | 46875.0 | 5462.5 | 1909.38 | -3553.12 | 7.58 | 0.00 | 4.798 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 12:45:00 | 52 | 46875.0 | 5497.5 | 2246.88 | -3250.62 | 6.93 | 0.00 | -3.401 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 13:00:00 | 53 | 46875.0 | 5565.0 | 2190.62 | -3374.38 | 7.2 | 0.00 | -2.431 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 13:15:00 | 54 | 46875.0 | 5497.5 | 2143.75 | -3353.75 | 7.15 | 0.00 | -4.387 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 13:30:00 | 55 | 46875.0 | 5472.5 | 2003.12 | -3469.38 | 7.4 | 0.00 | -3.401 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 13:45:00 | 56 | 46875.0 | 5462.5 | 1956.25 | -3506.25 | 7.48 | 0.00 | -5.044 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 14:00:00 | 57 | 46875.0 | 5337.5 | 2218.75 | -3118.75 | 6.65 | 0.00 | 4.215 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 14:15:00 | 58 | 46875.0 | 5402.5 | 2406.25 | -2996.25 | 6.39 | 0.00 | 9.552 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 14:30:00 | 59 | 46875.0 | 5225.0 | 2387.5 | -2837.5 | 6.05 | 0.00 | 6.358 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 14:45:00 | 60 | 46875.0 | 5437.5 | 2681.25 | -2756.25 | 5.88 | 0.00 | 2.744 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 15:00:00 | 61 | 46875.0 | 5497.5 | 2675.0 | -2822.5 | 6.02 | 0.00 | -3.073 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 15:15:00 | 62 | 46875.0 | 5565.0 | 2246.88 | -3318.12 | 7.08 | 0.00 | -4.058 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 15:30:00 | 63 | 46875.0 | 5497.5 | 2184.38 | -3313.12 | 7.07 | 0.00 | -4.831 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 15:45:00 | 64 | 46875.0 | 5540.0 | 2812.5 | -2727.5 | 5.82 | 0.00 | -5.372 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 16:00:00 | 65 | 46875.0 | 5537.5 | 3003.12 | -2534.38 | 5.41 | 0.00 | 2.196 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 16:15:00 | 66 | 46875.0 | 5447.5 | 3368.75 | -2078.75 | 4.43 | 0.00 | -3.401 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 16:30:00 | 67 | 46875.0 | 5497.5 | 3490.62 | -2006.88 | 4.28 | 0.00 | 4.738 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 16:45:00 | 68 | 46875.0 | 5472.5 | 3637.5 | -1835.0 | 3.91 | 0.00 | 7.343 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 17:00:00 | 69 | 46875.0 | 5565.0 | 4512.5 | -1052.5 | 2.25 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Hiwarwadi 220kV | 07/01/2020 17:15:00 | 70 | 46875.0 | 5315.0 | 3968.75 | -1346.25 | 2.87 | 0.00 | 2.744 | 223.943475 |
| Hiwarwadi 220kV | 07/01/2020 17:30:00 | 71 | 46875.0 | 5290.0 | 3893.75 | -1396.25 | 2.98 | 0.00 | 3.401 | 92.193600 |
| Hiwarwadi 220kV | 07/01/2020 17:45:00 | 72 | 46875.0 | 5172.5 | 3031.25 | -2141.25 | 4.57 | 0.00 | -2.745 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 18:00:00 | 73 | 46875.0 | 5217.5 | 1893.75 | -3323.75 | 7.09 | 0.00 | -3.073 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 18:15:00 | 74 | 46875.0 | 5337.5 | 1621.88 | -3715.62 | 7.93 | 0.00 | -5.372 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 18:30:00 | 75 | 46875.0 | 5402.5 | 1262.5 | -4140.0 | 8.83 | 0.00 | 3.401 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 18:45:00 | 76 | 46875.0 | 5437.5 | 787.5 | -4650.0 | 9.92 | 0.00 | -3.401 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 19:00:00 | 77 | 46875.0 | 5497.5 | 465.62 | -5031.88 | 10.73 | 0.00 | -3.730 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 19:15:00 | 78 | 46875.0 | 5565.0 | 343.75 | -5221.25 | 11.14 | 0.00 | -4.715 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 19:30:00 | 79 | 46875.0 | 5497.5 | 250.0 | -5247.5 | 11.19 | 0.00 | -4.058 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 19:45:00 | 80 | 46875.0 | 5472.5 | 265.62 | -5206.88 | 11.11 | 0.00 | -2.210 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 20:00:00 | 81 | 46875.0 | 5462.5 | 559.38 | -4903.12 | 10.46 | 0.00 | -2.348 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 20:15:00 | 82 | 46875.0 | 5497.5 | 868.75 | -4628.75 | 9.87 | 0.00 | 4.387 | 7223.867930 |
| Hiwarwadi 220kV | 07/01/2020 20:30:00 | 83 | 46875.0 | 5565.0 | 1103.12 | -4461.88 | 9.52 | 0.00 | 3.816 | 9105.309608 |
| Hiwarwadi 220kV | 07/01/2020 20:45:00 | 84 | 46875.0 | 5497.5 | 1618.75 | -3878.75 | 8.27 | 0.00 | 3.401 | 1905.769646 |
| Hiwarwadi 220kV | 07/01/2020 21:00:00 | 85 | 46875.0 | 5472.5 | 1746.88 | -3725.62 | 7.95 | 0.00 | -4.058 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 21:15:00 | 86 | 46875.0 | 5462.5 | 1393.75 | -4068.75 | 8.68 | 0.00 | 1.647 | 2156.580310 |
| Hiwarwadi 220kV | 07/01/2020 21:30:00 | 87 | 46875.0 | 5337.5 | 1971.88 | -3365.62 | 7.18 | 0.00 | 2.196 | 1073.242408 |
| Hiwarwadi 220kV | 07/01/2020 21:45:00 | 88 | 46875.0 | 5402.5 | 1493.75 | -3908.75 | 8.34 | 0.00 | -2.196 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 22:00:00 | 89 | 46875.0 | 5225.0 | 1468.75 | -3756.25 | 8.01 | 0.00 | -3.257 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 22:15:00 | 90 | 46875.0 | 5437.5 | 1378.12 | -4059.38 | 8.66 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Hiwarwadi 220kV | 07/01/2020 22:30:00 | 91 | 46875.0 | 5497.5 | 1075.0 | -4422.5 | 9.43 | 0.00 | -1.098 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 22:45:00 | 92 | 46875.0 | 5565.0 | 984.38 | -4580.62 | 9.77 | 0.00 | -1.647 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 23:00:00 | 93 | 46875.0 | 5497.5 | 900.0 | -4597.5 | 9.81 | 0.00 | -3.401 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 23:15:00 | 94 | 46875.0 | 5540.0 | 740.62 | -4799.38 | 10.24 | 0.00 | 1.647 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 23:30:00 | 95 | 46875.0 | 5537.5 | 462.5 | -5075.0 | 10.83 | 0.00 | -2.196 | 0.000000 |
| Hiwarwadi 220kV | 07/01/2020 23:45:00 | 96 | 46875.0 | 5447.5 | 450.0 | -4997.5 | 10.66 | 0.00 | -0.549 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 00:00:00 | 1 | 46875.0 | 6132.5 | 487.5 | -5645.0 | 12.04 | 0.00 | -2.220 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 00:15:00 | 2 | 46875.0 | 5537.5 | 462.5 | -5075.0 | 10.83 | 0.00 | -3.101 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 00:30:00 | 3 | 46875.0 | 5572.5 | 496.88 | -5075.62 | 10.83 | 0.00 | -3.101 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 00:45:00 | 4 | 46875.0 | 5640.0 | 478.12 | -5161.88 | 11.01 | 0.00 | -2.424 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 01:00:00 | 5 | 46875.0 | 5572.5 | 375.0 | -5197.5 | 11.09 | 0.00 | -2.170 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 01:15:00 | 6 | 46875.0 | 5547.5 | 403.12 | -5144.38 | 10.97 | 0.00 | -1.761 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 01:30:00 | 7 | 46875.0 | 5537.5 | 293.75 | -5243.75 | 11.19 | 0.00 | -1.665 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 01:45:00 | 8 | 46875.0 | 5412.5 | 146.88 | -5265.62 | 11.23 | 0.00 | -1.665 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 02:00:00 | 9 | 46875.0 | 5477.5 | 59.38 | -5418.12 | 11.56 | 0.00 | -1.110 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 02:15:00 | 10 | 46875.0 | 5300.0 | 321.88 | -4978.12 | 10.62 | 0.00 | -1.347 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 02:30:00 | 11 | 46875.0 | 5512.5 | 468.75 | -5043.75 | 10.76 | 0.00 | -3.101 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 02:45:00 | 12 | 46875.0 | 5572.5 | 437.5 | -5135.0 | 10.95 | 0.00 | -2.220 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 03:00:00 | 13 | 46875.0 | 5640.0 | 400.0 | -5240.0 | 11.18 | 0.00 | -3.428 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 03:15:00 | 14 | 46875.0 | 5572.5 | 143.75 | -5428.75 | 11.58 | 0.00 | -2.220 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 03:30:00 | 15 | 46875.0 | 5615.0 | 18.75 | -5596.25 | 11.94 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Hiwarwadi 220kV | 08/01/2020 03:45:00 | 16 | 46875.0 | 5612.5 | 9.38 | -5603.12 | 11.95 | 0.00 | -2.775 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 04:00:00 | 17 | 46875.0 | 5447.5 | 121.88 | -5325.62 | 11.36 | 0.00 | -3.101 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 04:15:00 | 18 | 46875.0 | 5402.5 | 171.88 | -5230.62 | 11.16 | 0.00 | -1.665 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 04:30:00 | 19 | 46875.0 | 5437.5 | 118.75 | -5318.75 | 11.35 | 0.00 | -2.220 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 04:45:00 | 20 | 46875.0 | 5497.5 | 234.38 | -5263.12 | 11.23 | 0.00 | -2.775 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 05:00:00 | 21 | 46875.0 | 5565.0 | 96.88 | -5468.12 | 11.67 | 0.00 | -1.110 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 05:15:00 | 22 | 46875.0 | 5497.5 | 28.12 | -5469.38 | 11.67 | 0.00 | 2.775 | 263.558796 |
| Hiwarwadi 220kV | 08/01/2020 05:30:00 | 23 | 46875.0 | 5797.5 | 0.0 | -5797.5 | 12.37 | 0.00 | -3.428 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 05:45:00 | 24 | 46875.0 | 5787.5 | 0.0 | -5787.5 | 12.35 | 0.00 | -2.775 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 06:00:00 | 25 | 46875.0 | 5662.5 | 0.0 | -5662.5 | 12.08 | 0.00 | -2.220 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 06:15:00 | 26 | 46875.0 | 5727.5 | 0.0 | -5727.5 | 12.22 | 0.00 | 2.220 | 1172.676572 |
| Hiwarwadi 220kV | 08/01/2020 06:30:00 | 27 | 46875.0 | 5550.0 | 0.0 | -5550.0 | 11.84 | 0.00 | 5.387 | 9989.790883 |
| Hiwarwadi 220kV | 08/01/2020 06:45:00 | 28 | 46875.0 | 5762.5 | 0.0 | -5762.5 | 12.29 | 0.00 | -4.734 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 07:00:00 | 29 | 46875.0 | 5822.5 | 0.0 | -5822.5 | 12.42 | 0.00 | -4.407 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 07:15:00 | 30 | 46875.0 | 5890.0 | 0.0 | -5890.0 | 12.57 | 0.00 | 5.061 | 10381.617295 |
| Hiwarwadi 220kV | 08/01/2020 07:30:00 | 31 | 46875.0 | 5822.5 | 0.0 | -5822.5 | 12.42 | 0.00 | 5.714 | 9819.647454 |
| Hiwarwadi 220kV | 08/01/2020 07:45:00 | 32 | 46875.0 | 5865.0 | 28.12 | -5836.88 | 12.45 | 0.00 | 5.061 | 3870.052165 |
| Hiwarwadi 220kV | 08/01/2020 08:00:00 | 33 | 46875.0 | 5862.5 | 31.25 | -5831.25 | 12.44 | 0.00 | 2.775 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 08:15:00 | 34 | 46875.0 | 5772.5 | 43.75 | -5728.75 | 12.22 | 0.00 | 2.775 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 08:30:00 | 35 | 46875.0 | 5567.5 | 106.25 | -5461.25 | 11.65 | 0.00 | 5.387 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 08:45:00 | 36 | 46875.0 | 5542.5 | 53.12 | -5489.38 | 11.71 | 0.00 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Hiwarwadi 220kV | 08/01/2020 09:00:00 | 37 | 46875.0 | 5497.5 | 34.38 | -5463.12 | 11.65 | 0.00 | 7.673 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 09:15:00 | 38 | 46875.0 | 5472.5 | 112.5 | -5360.0 | 11.43 | 0.00 | 7.673 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 09:30:00 | 39 | 46875.0 | 5565.0 | 184.38 | -5380.62 | 11.48 | 0.00 | 3.101 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 09:45:00 | 40 | 46875.0 | 5315.0 | 150.0 | -5165.0 | 11.02 | 0.00 | -3.101 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 10:00:00 | 41 | 46875.0 | 5290.0 | 296.88 | -4993.12 | 10.65 | 0.00 | -3.101 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 10:15:00 | 42 | 46875.0 | 5172.5 | 728.12 | -4444.38 | 9.48 | 0.00 | -3.101 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 10:30:00 | 43 | 46875.0 | 5217.5 | 743.75 | -4473.75 | 9.54 | 0.00 | -1.665 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 10:45:00 | 44 | 46875.0 | 5337.5 | 840.62 | -4496.88 | 9.59 | 0.00 | 0.000 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 11:00:00 | 45 | 46875.0 | 5402.5 | 1575.0 | -3827.5 | 8.17 | 0.00 | -1.486 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 11:15:00 | 46 | 46875.0 | 5437.5 | 1981.25 | -3456.25 | 7.37 | 0.00 | -1.305 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 11:30:00 | 47 | 46875.0 | 5497.5 | 2259.38 | -3238.12 | 6.91 | 0.00 | -2.425 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 11:45:00 | 48 | 46875.0 | 5565.0 | 2446.88 | -3118.12 | 6.65 | 0.00 | -2.775 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 12:00:00 | 49 | 46875.0 | 5497.5 | 2715.62 | -2781.88 | 5.93 | 0.00 | -2.083 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 12:15:00 | 50 | 46875.0 | 5472.5 | 3506.25 | -1966.25 | 4.19 | 0.00 | -3.242 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 12:30:00 | 51 | 46875.0 | 5462.5 | 3537.5 | -1925.0 | 4.11 | 0.00 | -1.330 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 12:45:00 | 52 | 46875.0 | 5497.5 | 4009.38 | -1488.12 | 3.17 | 0.00 | -0.830 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 13:00:00 | 53 | 46875.0 | 5565.0 | 4715.62 | -849.38 | 1.81 | 0.00 | 2.775 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 13:15:00 | 54 | 46875.0 | 5497.5 | 4865.62 | -631.88 | 1.35 | 0.00 | 0.000 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 13:30:00 | 55 | 46875.0 | 5472.5 | 4437.5 | -1035.0 | 2.21 | 0.00 | -1.012 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 13:45:00 | 56 | 46875.0 | 5462.5 | 3831.25 | -1631.25 | 3.48 | 0.00 | -1.087 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 14:00:00 | 57 | 46875.0 | 5337.5 | 3912.5 | -1425.0 | 3.04 | 0.00 | -3.101 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Hiwarwadi 220kV | 08/01/2020 14:15:00 | 58 | 46875.0 | 5402.5 | 5118.75 | -283.75 | 0.61 | 0.00 | -4.081 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 14:30:00 | 59 | 46875.0 | 5225.0 | 5728.12 | 503.12 | 1.07 | 0.00 | -2.996 | -203.546681 |
| Hiwarwadi 220kV | 08/01/2020 14:45:00 | 60 | 46875.0 | 5437.5 | 6315.62 | 878.12 | 1.87 | 0.00 | -3.101 | -133.248360 |
| Hiwarwadi 220kV | 08/01/2020 15:00:00 | 61 | 46875.0 | 5497.5 | 6128.12 | 630.62 | 1.35 | 0.00 | -1.879 | -158.422486 |
| Hiwarwadi 220kV | 08/01/2020 15:15:00 | 62 | 46875.0 | 5565.0 | 6450.0 | 885.0 | 1.89 | 0.00 | -4.081 | -31.131175 |
| Hiwarwadi 220kV | 08/01/2020 15:30:00 | 63 | 46875.0 | 5497.5 | 5446.88 | -50.62 | 0.11 | 0.00 | 4.938 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 15:45:00 | 64 | 46875.0 | 5540.0 | 5165.62 | -374.38 | 0.8 | 0.00 | 4.719 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 16:00:00 | 65 | 46875.0 | 5537.5 | 3946.88 | -1590.62 | 3.39 | 0.00 | 0.555 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 16:15:00 | 66 | 46875.0 | 5447.5 | 4231.25 | -1216.25 | 2.59 | 0.00 | -4.081 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 16:30:00 | 67 | 46875.0 | 5497.5 | 4637.5 | -860.0 | 1.83 | 0.00 | -3.754 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 16:45:00 | 68 | 46875.0 | 5472.5 | 5790.62 | 318.12 | 0.68 | 0.00 | -8.000 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 17:00:00 | 69 | 46875.0 | 5565.0 | 6928.12 | 1363.12 | 2.91 | 0.00 | 0.000 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 17:15:00 | 70 | 46875.0 | 5315.0 | 6134.38 | 819.38 | 1.75 | 0.00 | 4.081 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 17:30:00 | 71 | 46875.0 | 5290.0 | 5128.12 | -161.88 | 0.35 | 0.00 | -5.387 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 17:45:00 | 72 | 46875.0 | 5172.5 | 6237.5 | 1065.0 | 2.27 | 0.00 | -3.101 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 18:00:00 | 73 | 46875.0 | 8612.5 | 7000.0 | -1612.5 | 3.44 | 0.00 | -2.775 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 18:15:00 | 74 | 46875.0 | 8112.5 | 6678.12 | -1434.38 | 3.06 | 0.00 | -3.101 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 18:30:00 | 75 | 46875.0 | 7612.5 | 8550.0 | 937.5 | 2.0 | 0.00 | -2.220 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 18:45:00 | 76 | 46875.0 | 7112.5 | 9325.0 | 2212.5 | 4.72 | 0.00 | 2.220 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 19:00:00 | 77 | 46875.0 | 6862.5 | 10637.5 | 3775.0 | 8.05 | 0.00 | 1.110 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 19:15:00 | 78 | 46875.0 | 7162.5 | 11300.0 | 4137.5 | 8.83 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Hiwarwadi 220kV | 08/01/2020 19:30:00 | 79 | 46875.0 | 6862.5 | 12412.5 | 5550.0 | 11.84 | 0.00 | -2.220 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 19:45:00 | 80 | 46875.0 | 6847.5 | 14253.12 | 7405.62 | 15.8 | 187.19 | -0.555 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 20:00:00 | 81 | 46875.0 | 6837.5 | 14921.88 | 8084.38 | 17.25 | 526.57 | 2.775 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 20:15:00 | 82 | 46875.0 | 6872.5 | 14384.38 | 7511.88 | 16.03 | 240.32 | 3.101 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 20:30:00 | 83 | 46875.0 | 6940.0 | 14396.88 | 7456.88 | 15.91 | 212.82 | 4.408 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 20:45:00 | 84 | 46875.0 | 12112.5 | 13409.38 | 1296.88 | 2.77 | 0.00 | 3.101 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 21:00:00 | 85 | 46875.0 | 11805.0 | 13337.5 | 1532.5 | 3.27 | 0.00 | 3.101 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 21:15:00 | 86 | 46875.0 | 11395.0 | 13287.5 | 1892.5 | 4.04 | 0.00 | -0.555 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 21:30:00 | 87 | 46875.0 | 10980.0 | 14268.75 | 3288.75 | 7.02 | 0.00 | -1.110 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 21:45:00 | 88 | 46875.0 | 10520.0 | 13984.38 | 3464.38 | 7.39 | 0.00 | -1.110 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 22:00:00 | 89 | 46875.0 | 14662.5 | 13559.38 | -1103.12 | 2.35 | 0.00 | -2.489 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 22:15:00 | 90 | 46875.0 | 14612.5 | 12581.25 | -2031.25 | 4.33 | 0.00 | -2.775 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 22:30:00 | 91 | 46875.0 | 14557.5 | 12128.12 | -2429.38 | 5.18 | 0.00 | -2.223 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 22:45:00 | 92 | 46875.0 | 14495.0 | 11771.88 | -2723.12 | 5.81 | 0.00 | 1.110 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 23:00:00 | 93 | 46875.0 | 14412.5 | 12290.62 | -2121.88 | 4.53 | 0.00 | 1.110 | 226.534029 |
| Hiwarwadi 220kV | 08/01/2020 23:15:00 | 94 | 46875.0 | 14195.0 | 13262.5 | -932.5 | 1.99 | 0.00 | 1.110 | 0.000000 |
| Hiwarwadi 220kV | 08/01/2020 23:30:00 | 95 | 46875.0 | 14112.5 | 12543.75 | -1568.75 | 3.35 | 0.00 | 2.775 | 14.260752 |
| Hiwarwadi 220kV | 08/01/2020 23:45:00 | 96 | 46875.0 | 14030.0 | 11665.62 | -2364.38 | 5.04 | 0.00 | 0.000 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 00:00:00 | 1 | 46875.0 | 10270.0 | 11325.0 | 1055.0 | 2.25 | 0.00 | -0.576 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 00:15:00 | 2 | 46875.0 | 10360.0 | 10650.0 | 290.0 | 0.62 | 0.00 | -1.727 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 00:30:00 | 3 | 46875.0 | 9890.0 | 9109.38 | -780.62 | 1.67 | 0.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Hiwarwadi 220kV | 09/01/2020 00:45:00 | 4 | 46875.0 | 9550.0 | 7781.25 | -1768.75 | 3.77 | 0.00 | -2.879 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 01:00:00 | 5 | 46875.0 | 9195.0 | 6896.88 | -2298.12 | 4.9 | 0.00 | -3.519 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 01:15:00 | 6 | 46875.0 | 8827.5 | 5550.0 | -3277.5 | 6.99 | 0.00 | -3.519 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 01:30:00 | 7 | 46875.0 | 9162.5 | 4962.5 | -4200.0 | 8.96 | 0.00 | -3.199 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 01:45:00 | 8 | 46875.0 | 9130.0 | 4228.12 | -4901.88 | 10.46 | 0.00 | 3.519 | 1191.095708 |
| Hiwarwadi 220kV | 09/01/2020 02:00:00 | 9 | 46875.0 | 8912.5 | 3440.62 | -5471.88 | 11.67 | 0.00 | 3.519 | 6024.036145 |
| Hiwarwadi 220kV | 09/01/2020 02:15:00 | 10 | 46875.0 | 8815.0 | 2725.0 | -6090.0 | 12.99 | 0.00 | 2.879 | 2940.479215 |
| Hiwarwadi 220kV | 09/01/2020 02:30:00 | 11 | 46875.0 | 5850.0 | 1650.0 | -4200.0 | 8.96 | 0.00 | 3.199 | 2917.686190 |
| Hiwarwadi 220kV | 09/01/2020 02:45:00 | 12 | 46875.0 | 5852.5 | 343.75 | -5508.75 | 11.75 | 0.00 | 1.152 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 03:00:00 | 13 | 46875.0 | 5872.5 | 650.0 | -5222.5 | 11.14 | 0.00 | -2.879 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 03:15:00 | 14 | 46875.0 | 5947.5 | 2012.5 | -3935.0 | 8.39 | 0.00 | -3.839 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 03:30:00 | 15 | 46875.0 | 5830.0 | 3615.62 | -2214.38 | 4.72 | 0.00 | 3.199 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 03:45:00 | 16 | 46875.0 | 6627.5 | 4987.5 | -1640.0 | 3.5 | 0.00 | 0.000 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 04:00:00 | 17 | 46875.0 | 6435.0 | 3981.25 | -2453.75 | 5.23 | 0.00 | 1.727 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 04:15:00 | 18 | 46875.0 | 6220.0 | 4759.38 | -1460.62 | 3.12 | 0.00 | 1.727 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 04:30:00 | 19 | 46875.0 | 6055.0 | 4740.62 | -1314.38 | 2.8 | 0.00 | 1.727 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 04:45:00 | 20 | 46875.0 | 5870.0 | 3781.25 | -2088.75 | 4.46 | 0.00 | 2.879 | 1800.105736 |
| Hiwarwadi 220kV | 09/01/2020 05:00:00 | 21 | 46875.0 | 5850.0 | 3081.25 | -2768.75 | 5.91 | 0.00 | 3.839 | 1382.101057 |
| Hiwarwadi 220kV | 09/01/2020 05:15:00 | 22 | 46875.0 | 5852.5 | 3075.0 | -2777.5 | 5.93 | 0.00 | 5.119 | 3920.448945 |
| Hiwarwadi 220kV | 09/01/2020 05:30:00 | 23 | 46875.0 | 5872.5 | 3615.62 | -2256.88 | 4.81 | 0.00 | 4.064 | 5805.607019 |
| Hiwarwadi 220kV | 09/01/2020 05:45:00 | 24 | 46875.0 | 5947.5 | 5478.12 | -469.38 | 1.0 | 0.00 | 1.152 | 3.311401 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Hiwarwadi 220kV | 09/01/2020 06:00:00 | 25 | 46875.0 | 5730.0 | 6750.0 | 1020.0 | 2.18 | 0.00 | -2.303 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 06:15:00 | 26 | 46875.0 | 5492.5 | 8287.5 | 2795.0 | 5.96 | 0.00 | 2.303 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 06:30:00 | 27 | 46875.0 | 5327.5 | 7143.75 | 1816.25 | 3.87 | 0.00 | -3.839 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 06:45:00 | 28 | 46875.0 | 5472.5 | 5512.5 | 40.0 | 0.09 | 0.00 | -2.879 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 07:00:00 | 29 | 46875.0 | 5565.0 | 4553.12 | -1011.88 | 2.16 | 0.00 | -2.879 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 07:15:00 | 30 | 46875.0 | 5315.0 | 4009.38 | -1305.62 | 2.79 | 0.00 | 6.400 | 649.554759 |
| Hiwarwadi 220kV | 09/01/2020 07:30:00 | 31 | 46875.0 | 5290.0 | 4168.75 | -1121.25 | 2.39 | 0.00 | 1.172 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 07:45:00 | 32 | 46875.0 | 5172.5 | 4884.38 | -288.12 | 0.61 | 0.00 | 0.576 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 08:00:00 | 33 | 46875.0 | 5217.5 | 5628.12 | 410.62 | 0.88 | 0.00 | -0.576 | -22.444803 |
| Hiwarwadi 220kV | 09/01/2020 08:15:00 | 34 | 46875.0 | 5337.5 | 6034.38 | 696.88 | 1.49 | 0.00 | -1.152 | -72.174908 |
| Hiwarwadi 220kV | 09/01/2020 08:30:00 | 35 | 46875.0 | 5402.5 | 6365.62 | 963.12 | 2.05 | 0.00 | 0.576 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 08:45:00 | 36 | 46875.0 | 5437.5 | 5578.12 | 140.62 | 0.3 | 0.00 | 0.000 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 09:00:00 | 37 | 46875.0 | 5497.5 | 4743.75 | -753.75 | 1.61 | 0.00 | 1.152 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 09:15:00 | 38 | 46875.0 | 5565.0 | 4634.38 | -930.62 | 1.99 | 0.00 | 1.727 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 09:30:00 | 39 | 46875.0 | 5497.5 | 5671.88 | 174.38 | 0.37 | 0.00 | -3.839 | -7.514494 |
| Hiwarwadi 220kV | 09/01/2020 09:45:00 | 40 | 46875.0 | 5472.5 | 5937.5 | 465.0 | 0.99 | 0.00 | -1.152 | -3.818568 |
| Hiwarwadi 220kV | 09/01/2020 10:00:00 | 41 | 46875.0 | 5462.5 | 5903.12 | 440.62 | 0.94 | 0.00 | 0.000 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 10:15:00 | 42 | 46875.0 | 5497.5 | 5718.75 | 221.25 | 0.47 | 0.00 | 1.727 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 10:30:00 | 43 | 46875.0 | 5565.0 | 5075.0 | -490.0 | 1.05 | 0.00 | 2.303 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 10:45:00 | 44 | 46875.0 | 5497.5 | 3906.25 | -1591.25 | 3.39 | 0.00 | -1.144 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 11:00:00 | 45 | 46875.0 | 5472.5 | 2806.25 | -2666.25 | 5.69 | 0.00 | -4.479 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Hiwarwadi 220kV | 09/01/2020 11:15:00 | 46 | 46875.0 | 5462.5 | 2112.5 | -3350.0 | 7.15 | 0.00 | -3.519 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 11:30:00 | 47 | 46875.0 | 5337.5 | 1287.5 | -4050.0 | 8.64 | 0.00 | -2.303 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 11:45:00 | 48 | 46875.0 | 5402.5 | 609.38 | -4793.12 | 10.23 | 0.00 | -0.576 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 12:00:00 | 49 | 46875.0 | 5225.0 | 306.25 | -4918.75 | 10.49 | 0.00 | 0.000 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 12:15:00 | 50 | 46875.0 | 5437.5 | 109.38 | -5328.12 | 11.37 | 0.00 | 3.839 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 12:30:00 | 51 | 46875.0 | 5497.5 | 21.88 | -5475.62 | 11.68 | 0.00 | 3.199 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 12:45:00 | 52 | 46875.0 | 5565.0 | 62.5 | -5502.5 | 11.74 | 0.00 | 3.199 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 13:00:00 | 53 | 46875.0 | 5497.5 | 6.25 | -5491.25 | 11.71 | 0.00 | -1.152 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 13:15:00 | 54 | 46875.0 | 5540.0 | 0.0 | -5540.0 | 11.82 | 0.00 | -1.152 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 13:30:00 | 55 | 46875.0 | 5537.5 | 3.12 | -5534.38 | 11.81 | 0.00 | 1.727 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 13:45:00 | 56 | 46875.0 | 5447.5 | 25.0 | -5422.5 | 11.57 | 0.00 | 3.199 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 14:00:00 | 57 | 46875.0 | 5497.5 | 9.38 | -5488.12 | 11.71 | 0.00 | 4.345 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 14:15:00 | 58 | 46875.0 | 5472.5 | 0.0 | -5472.5 | 11.67 | 0.00 | 3.941 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 14:30:00 | 59 | 46875.0 | 5462.5 | 0.0 | -5462.5 | 11.65 | 0.00 | 1.152 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 14:45:00 | 60 | 46875.0 | 5337.5 | 3.12 | -5334.38 | 11.38 | 0.00 | -0.576 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 15:00:00 | 61 | 46875.0 | 5402.5 | 0.0 | -5402.5 | 11.53 | 0.00 | -1.006 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 15:15:00 | 62 | 46875.0 | 5225.0 | 0.0 | -5225.0 | 11.15 | 0.00 | 3.199 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 15:30:00 | 63 | 46875.0 | 5437.5 | 6.25 | -5431.25 | 11.59 | 0.00 | 2.879 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 15:45:00 | 64 | 46875.0 | 5497.5 | 0.0 | -5497.5 | 11.73 | 0.00 | 3.839 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 16:00:00 | 65 | 46875.0 | 5565.0 | 0.0 | -5565.0 | 11.87 | 0.00 | 1.727 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 16:15:00 | 66 | 46875.0 | 5497.5 | 3.12 | -5494.38 | 11.72 | 0.00 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Hiwarwadi 220kV | 09/01/2020 16:30:00 | 67 | 46875.0 | 5540.0 | 3.12 | -5536.88 | 11.81 | 0.00 | -4.159 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 16:45:00 | 68 | 46875.0 | 5537.5 | 0.0 | -5537.5 | 11.81 | 0.00 | 3.839 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 17:00:00 | 69 | 46875.0 | 5447.5 | 0.0 | -5447.5 | 11.62 | 0.00 | 1.727 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 17:15:00 | 70 | 46875.0 | 5497.5 | 12.5 | -5485.0 | 11.7 | 0.00 | 3.839 | 1885.281010 |
| Hiwarwadi 220kV | 09/01/2020 17:30:00 | 71 | 46875.0 | 5472.5 | 106.25 | -5366.25 | 11.45 | 0.00 | -2.879 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 17:45:00 | 72 | 46875.0 | 5565.0 | 403.12 | -5161.88 | 11.01 | 0.00 | -4.146 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 18:00:00 | 73 | 46875.0 | 5315.0 | 565.62 | -4749.38 | 10.13 | 0.00 | -3.349 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 18:15:00 | 74 | 46875.0 | 5290.0 | 553.12 | -4736.88 | 10.11 | 0.00 | -4.563 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 18:30:00 | 75 | 46875.0 | 5172.5 | 725.0 | -4447.5 | 9.49 | 0.00 | -3.839 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 18:45:00 | 76 | 46875.0 | 5217.5 | 721.88 | -4495.62 | 9.59 | 0.00 | -2.879 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 19:00:00 | 77 | 46875.0 | 5337.5 | 996.88 | -4340.62 | 9.26 | 0.00 | -3.199 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 19:15:00 | 78 | 46875.0 | 5402.5 | 1403.12 | -3999.38 | 8.53 | 0.00 | -1.727 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 19:30:00 | 79 | 46875.0 | 5437.5 | 1853.12 | -3584.38 | 7.65 | 0.00 | -1.442 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 19:45:00 | 80 | 46875.0 | 5497.5 | 2878.12 | -2619.38 | 5.59 | 0.00 | -0.286 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 20:00:00 | 81 | 46875.0 | 5565.0 | 3765.62 | -1799.38 | 3.84 | 0.00 | -1.070 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 20:15:00 | 82 | 46875.0 | 5497.5 | 4262.5 | -1235.0 | 2.63 | 0.00 | -2.236 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 20:30:00 | 83 | 46875.0 | 5472.5 | 4237.5 | -1235.0 | 2.63 | 0.00 | -4.799 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 20:45:00 | 84 | 46875.0 | 5462.5 | 4368.75 | -1093.75 | 2.33 | 0.00 | -1.727 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 21:00:00 | 85 | 46875.0 | 5497.5 | 4296.88 | -1200.62 | 2.56 | 0.00 | -1.727 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 21:15:00 | 86 | 46875.0 | 5565.0 | 4343.75 | -1221.25 | 2.61 | 0.00 | 1.152 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 21:30:00 | 87 | 46875.0 | 5497.5 | 4818.75 | -678.75 | 1.45 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Hiwarwadi 220kV | 09/01/2020 21:45:00 | 88 | 46875.0 | 5472.5 | 5146.88 | -325.62 | 0.69 | 0.00 | -2.303 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 22:00:00 | 89 | 46875.0 | 5462.5 | 6084.38 | 621.88 | 1.33 | 0.00 | -2.795 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 22:15:00 | 90 | 46875.0 | 5337.5 | 6559.38 | 1221.88 | 2.61 | 0.00 | -3.674 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 22:30:00 | 91 | 46875.0 | 5402.5 | 6625.0 | 1222.5 | 2.61 | 0.00 | -2.303 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 22:45:00 | 92 | 46875.0 | 5225.0 | 6625.0 | 1400.0 | 2.99 | 0.00 | -1.152 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 23:00:00 | 93 | 46875.0 | 5437.5 | 6462.5 | 1025.0 | 2.19 | 0.00 | 0.000 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 23:15:00 | 94 | 46875.0 | 5497.5 | 6443.75 | 946.25 | 2.02 | 0.00 | -0.576 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 23:30:00 | 95 | 46875.0 | 5565.0 | 6718.75 | 1153.75 | 2.46 | 0.00 | -0.576 | 0.000000 |
| Hiwarwadi 220kV | 09/01/2020 23:45:00 | 96 | 46875.0 | 5497.5 | 9087.5 | 3590.0 | 7.66 | 0.00 | -0.987 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 00:00:00 | 1 | 46875.0 | 10270.0 | 10665.62 | 395.62 | 0.84 | 0.00 | -0.680 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 00:15:00 | 2 | 46875.0 | 8815.0 | 11506.25 | 2691.25 | 5.74 | 0.00 | -3.326 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 00:30:00 | 3 | 46875.0 | 8062.5 | 12468.75 | 4406.25 | 9.4 | 0.00 | -2.992 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 00:45:00 | 4 | 46875.0 | 8052.5 | 13281.25 | 5228.75 | 11.15 | 0.00 | -0.532 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 01:00:00 | 5 | 46875.0 | 7562.5 | 13312.5 | 5750.0 | 12.27 | 0.00 | -0.713 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 01:15:00 | 6 | 46875.0 | 7590.0 | 13196.88 | 5606.88 | 11.96 | 0.00 | -0.548 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 01:30:00 | 7 | 46875.0 | 9412.5 | 13356.25 | 3943.75 | 8.41 | 0.00 | -2.658 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 01:45:00 | 8 | 46875.0 | 9135.0 | 13818.75 | 4683.75 | 9.99 | 0.00 | 2.127 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 02:00:00 | 9 | 46875.0 | 8662.5 | 13568.75 | 4906.25 | 10.47 | 0.00 | 5.342 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 02:15:00 | 10 | 46875.0 | 8587.5 | 14862.5 | 6275.0 | 13.39 | 0.00 | 1.595 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 02:30:00 | 11 | 46875.0 | 8222.5 | 16071.88 | 7849.38 | 16.75 | 409.07 | 3.326 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 02:45:00 | 12 | 46875.0 | 8315.0 | 15912.5 | 7597.5 | 16.21 | 283.13 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Hiwarwadi 220kV | 10/01/2020 03:00:00 | 13 | 46875.0 | 11827.5 | 14793.75 | 2966.25 | 6.33 | 0.00 | 2.658 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 03:15:00 | 14 | 46875.0 | 11930.0 | 15100.0 | 3170.0 | 6.76 | 0.00 | 2.127 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 03:30:00 | 15 | 46875.0 | 12045.0 | 14975.0 | 2930.0 | 6.25 | 0.00 | 2.127 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 03:45:00 | 16 | 46875.0 | 12180.0 | 14150.0 | 1970.0 | 4.2 | 0.00 | -1.063 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 04:00:00 | 17 | 46875.0 | 12512.5 | 12993.75 | 481.25 | 1.03 | 0.00 | 1.595 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 04:15:00 | 18 | 46875.0 | 12862.5 | 12643.75 | -218.75 | 0.47 | 0.00 | 3.326 | 130.077238 |
| Hiwarwadi 220kV | 10/01/2020 04:30:00 | 19 | 46875.0 | 11002.5 | 12915.62 | 1913.12 | 4.08 | 0.00 | 3.326 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 04:45:00 | 20 | 46875.0 | 11410.0 | 13062.5 | 1652.5 | 3.53 | 0.00 | 2.127 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 05:00:00 | 21 | 46875.0 | 12150.0 | 13396.88 | 1246.88 | 2.66 | 0.00 | 2.992 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 05:15:00 | 22 | 46875.0 | 12910.0 | 14137.5 | 1227.5 | 2.62 | 0.00 | 1.063 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 05:30:00 | 23 | 46875.0 | 13777.5 | 15275.0 | 1497.5 | 3.19 | 0.00 | -2.658 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 05:45:00 | 24 | 46875.0 | 14827.5 | 16518.75 | 1691.25 | 3.61 | 0.00 | 2.127 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 06:00:00 | 25 | 46875.0 | 15777.5 | 16834.38 | 1056.88 | 2.25 | 0.00 | -2.127 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 06:15:00 | 26 | 46875.0 | 16832.5 | 16225.0 | -607.5 | 1.3 | 0.00 | 2.658 | 154.116029 |
| Hiwarwadi 220kV | 10/01/2020 06:30:00 | 27 | 46875.0 | 17912.5 | 16156.25 | -1756.25 | 3.75 | 0.00 | -2.992 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 06:45:00 | 28 | 46875.0 | 19075.0 | 15737.5 | -3337.5 | 7.12 | 0.00 | -3.077 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 07:00:00 | 29 | 46875.0 | 19075.0 | 15034.38 | -4040.62 | 8.62 | 0.00 | -0.687 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 07:15:00 | 30 | 46875.0 | 19037.5 | 14884.38 | -4153.12 | 8.86 | 0.00 | -2.658 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 07:30:00 | 31 | 46875.0 | 17840.0 | 15178.12 | -2661.88 | 5.68 | 0.00 | -1.063 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 07:45:00 | 32 | 46875.0 | 17412.5 | 15893.75 | -1518.75 | 3.24 | 0.00 | -2.658 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 08:00:00 | 33 | 46875.0 | 17412.5 | 15943.75 | -1468.75 | 3.13 | 0.00 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Hiwarwadi 220kV | 10/01/2020 08:15:00 | 34 | 46875.0 | 17162.5 | 15493.75 | -1668.75 | 3.56 | 0.00 | -4.661 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 08:30:00 | 35 | 46875.0 | 16905.0 | 14862.5 | -2042.5 | 4.36 | 0.00 | 5.663 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 08:45:00 | 36 | 46875.0 | 16837.5 | 13625.0 | -3212.5 | 6.85 | 0.00 | 4.328 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 09:00:00 | 37 | 46875.0 | 16880.0 | 12303.12 | -4576.88 | 9.76 | 0.00 | -4.995 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 09:15:00 | 38 | 46875.0 | 16912.5 | 11821.88 | -5090.62 | 10.86 | 0.00 | -4.327 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 09:30:00 | 39 | 46875.0 | 16380.0 | 10843.75 | -5536.25 | 11.81 | 0.00 | -2.127 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 09:45:00 | 40 | 46875.0 | 16335.0 | 11403.12 | -4931.88 | 10.52 | 0.00 | -1.152 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 10:00:00 | 41 | 46875.0 | 16312.5 | 11450.0 | -4862.5 | 10.37 | 0.00 | 0.000 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 10:15:00 | 42 | 46875.0 | 17162.5 | 10381.25 | -6781.25 | 14.47 | 0.00 | -0.532 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 10:30:00 | 43 | 46875.0 | 16905.0 | 9934.38 | -6970.62 | 14.87 | 0.00 | -1.063 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 10:45:00 | 44 | 46875.0 | 13035.0 | 10446.88 | -2588.12 | 5.52 | 0.00 | 0.000 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 11:00:00 | 45 | 46875.0 | 12527.5 | 10356.25 | -2171.25 | 4.63 | 0.00 | 2.658 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 11:15:00 | 46 | 46875.0 | 12085.0 | 9521.88 | -2563.12 | 5.47 | 0.00 | 0.000 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 11:30:00 | 47 | 46875.0 | 11555.0 | 8475.0 | -3080.0 | 6.57 | 0.00 | -1.595 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 11:45:00 | 48 | 46875.0 | 11052.5 | 7946.88 | -3105.62 | 6.63 | 0.00 | 2.992 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 12:00:00 | 49 | 46875.0 | 8802.5 | 8168.75 | -633.75 | 1.35 | 0.00 | 0.000 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 12:15:00 | 50 | 46875.0 | 8530.0 | 8603.12 | 73.12 | 0.16 | 0.00 | 2.127 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 12:30:00 | 51 | 46875.0 | 8527.5 | 8046.88 | -480.62 | 1.03 | 0.00 | 1.595 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 12:45:00 | 52 | 46875.0 | 8030.0 | 6840.62 | -1189.38 | 2.54 | 0.00 | -1.063 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 13:00:00 | 53 | 46875.0 | 7802.5 | 4315.62 | -3486.88 | 7.44 | 0.00 | 2.658 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 13:15:00 | 54 | 46875.0 | 7135.0 | 2521.88 | -4613.12 | 9.84 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Hiwarwadi 220kV | 10/01/2020 13:30:00 | 55 | 46875.0 | 6662.5 | 1812.5 | -4850.0 | 10.35 | 0.00 | 2.127 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 13:45:00 | 56 | 46875.0 | 6697.5 | 1515.62 | -5181.88 | 11.05 | 0.00 | -3.326 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 14:00:00 | 57 | 46875.0 | 6765.0 | 934.38 | -5830.62 | 12.44 | 0.00 | -2.992 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 14:15:00 | 58 | 46875.0 | 6697.5 | 796.88 | -5900.62 | 12.59 | 0.00 | 3.660 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 14:30:00 | 59 | 46875.0 | 6672.5 | 765.62 | -5906.88 | 12.6 | 0.00 | -2.127 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 14:45:00 | 60 | 46875.0 | 6662.5 | 953.12 | -5709.38 | 12.18 | 0.00 | -2.127 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 15:00:00 | 61 | 46875.0 | 6537.5 | 1053.12 | -5484.38 | 11.7 | 0.00 | 0.000 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 15:15:00 | 62 | 46875.0 | 6602.5 | 1115.62 | -5486.88 | 11.71 | 0.00 | -2.992 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 15:30:00 | 63 | 46875.0 | 6425.0 | 1187.5 | -5237.5 | 11.17 | 0.00 | -4.995 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 15:45:00 | 64 | 46875.0 | 6637.5 | 1293.75 | -5343.75 | 11.4 | 0.00 | -4.327 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 16:00:00 | 65 | 46875.0 | 6697.5 | 1381.25 | -5316.25 | 11.34 | 0.00 | -4.995 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 16:15:00 | 66 | 46875.0 | 6765.0 | 1403.12 | -5361.88 | 11.44 | 0.00 | -8.000 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 16:30:00 | 67 | 46875.0 | 6697.5 | 1362.5 | -5335.0 | 11.38 | 0.00 | -8.000 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 16:45:00 | 68 | 46875.0 | 6740.0 | 1093.75 | -5646.25 | 12.05 | 0.00 | 4.327 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 17:00:00 | 69 | 46875.0 | 6737.5 | 1125.0 | -5612.5 | 11.97 | 0.00 | 0.532 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 17:15:00 | 70 | 46875.0 | 6647.5 | 1134.38 | -5513.12 | 11.76 | 0.00 | -1.595 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 17:30:00 | 71 | 46875.0 | 6697.5 | 943.75 | -5753.75 | 12.27 | 0.00 | -2.658 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 17:45:00 | 72 | 46875.0 | 6672.5 | 696.88 | -5975.62 | 12.75 | 0.00 | -2.127 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 18:00:00 | 73 | 46875.0 | 6662.5 | 543.75 | -6118.75 | 13.05 | 0.00 | -1.461 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 18:15:00 | 74 | 46875.0 | 6697.5 | 721.88 | -5975.62 | 12.75 | 0.00 | 3.326 | 2099.929652 |
| Hiwarwadi 220kV | 10/01/2020 18:30:00 | 75 | 46875.0 | 6765.0 | 890.62 | -5874.38 | 12.53 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Hiwarwadi 220kV | 10/01/2020 18:45:00 | 76 | 46875.0 | 6697.5 | 921.88 | -5775.62 | 12.32 | 0.00 | 3.994 | 964.091842 |
| Hiwarwadi 220kV | 10/01/2020 19:00:00 | 77 | 46875.0 | 6672.5 | 1031.25 | -5641.25 | 12.03 | 0.00 | -2.127 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 19:15:00 | 78 | 46875.0 | 6662.5 | 1153.12 | -5509.38 | 11.75 | 0.00 | -2.658 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 19:30:00 | 79 | 46875.0 | 6697.5 | 1240.62 | -5456.88 | 11.64 | 0.00 | -3.660 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 19:45:00 | 80 | 46875.0 | 6765.0 | 1521.88 | -5243.12 | 11.19 | 0.00 | -3.326 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 20:00:00 | 81 | 46875.0 | 6697.5 | 2103.12 | -4594.38 | 9.8 | 0.00 | 3.660 | 1119.966736 |
| Hiwarwadi 220kV | 10/01/2020 20:15:00 | 82 | 46875.0 | 6672.5 | 2587.5 | -4085.0 | 8.71 | 0.00 | 3.660 | 4276.388374 |
| Hiwarwadi 220kV | 10/01/2020 20:30:00 | 83 | 46875.0 | 6662.5 | 3034.38 | -3628.12 | 7.74 | 0.00 | 4.995 | 5391.970392 |
| Hiwarwadi 220kV | 10/01/2020 20:45:00 | 84 | 46875.0 | 6537.5 | 2731.25 | -3806.25 | 8.12 | 0.00 | 2.992 | 4000.100529 |
| Hiwarwadi 220kV | 10/01/2020 21:00:00 | 85 | 46875.0 | 6602.5 | 2421.88 | -4180.62 | 8.92 | 0.00 | -3.660 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 21:15:00 | 86 | 46875.0 | 6425.0 | 2421.88 | -4003.12 | 8.54 | 0.00 | -1.595 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 21:30:00 | 87 | 46875.0 | 6637.5 | 2443.75 | -4193.75 | 8.95 | 0.00 | -1.063 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 21:45:00 | 88 | 46875.0 | 6697.5 | 2587.5 | -4110.0 | 8.77 | 0.00 | -0.532 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 22:00:00 | 89 | 46875.0 | 6765.0 | 3156.25 | -3608.75 | 7.7 | 0.00 | -1.595 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 22:15:00 | 90 | 46875.0 | 6697.5 | 3406.25 | -3291.25 | 7.02 | 0.00 | -2.127 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 22:30:00 | 91 | 46875.0 | 6740.0 | 3603.12 | -3136.88 | 6.69 | 0.00 | 1.063 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 22:45:00 | 92 | 46875.0 | 6737.5 | 4265.62 | -2471.88 | 5.27 | 0.00 | -2.658 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 23:00:00 | 93 | 46875.0 | 6647.5 | 5625.0 | -1022.5 | 2.18 | 0.00 | -2.658 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 23:15:00 | 94 | 46875.0 | 6697.5 | 6725.0 | 27.5 | 0.06 | 0.00 | 0.000 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 23:30:00 | 95 | 46875.0 | 6672.5 | 9965.62 | 3293.12 | 7.03 | 0.00 | 0.000 | 0.000000 |
| Hiwarwadi 220kV | 10/01/2020 23:45:00 | 96 | 46875.0 | 6662.5 | 16312.5 | 9650.0 | 20.59 | 1309.38 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Hiwarwadi 220kV | 11/01/2020 00:00:00 | 1 | 46875.0 | 6662.5 | 19753.12 | 13090.62 | 27.93 | 3715.62 | 0.000 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 00:15:00 | 2 | 46875.0 | 6587.5 | 18650.0 | 12062.5 | 25.73 | 2687.50 | -2.629 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 00:30:00 | 3 | 46875.0 | 6222.5 | 17118.75 | 10896.25 | 23.25 | 1932.50 | -1.577 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 00:45:00 | 4 | 46875.0 | 6315.0 | 16515.62 | 10200.62 | 21.76 | 1584.69 | 2.103 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 01:00:00 | 5 | 46875.0 | 6065.0 | 15150.0 | 9085.0 | 19.38 | 1026.88 | 2.964 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 01:15:00 | 6 | 46875.0 | 6040.0 | 14662.5 | 8622.5 | 18.39 | 795.63 | 1.052 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 01:30:00 | 7 | 46875.0 | 5922.5 | 15356.25 | 9433.75 | 20.13 | 1201.25 | 1.577 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 01:45:00 | 8 | 46875.0 | 5967.5 | 16443.75 | 10476.25 | 22.35 | 1722.50 | -0.526 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 02:00:00 | 9 | 46875.0 | 6087.5 | 16968.75 | 10881.25 | 23.21 | 1925.00 | -0.403 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 02:15:00 | 10 | 46875.0 | 6152.5 | 17096.88 | 10944.38 | 23.35 | 1956.57 | -0.630 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 02:30:00 | 11 | 46875.0 | 6187.5 | 17628.12 | 11440.62 | 24.41 | 2204.69 | -0.526 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 02:45:00 | 12 | 46875.0 | 6247.5 | 17753.12 | 11505.62 | 24.55 | 2237.19 | -0.526 | -547.906072 |
| Hiwarwadi 220kV | 11/01/2020 03:00:00 | 13 | 46875.0 | 6315.0 | 18459.38 | 12144.38 | 25.91 | 2769.38 | -1.051 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 03:15:00 | 14 | 46875.0 | 6247.5 | 19396.88 | 13149.38 | 28.05 | 3774.38 | 0.000 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 03:30:00 | 15 | 46875.0 | 6222.5 | 19296.88 | 13074.38 | 27.89 | 3699.38 | 0.000 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 03:45:00 | 16 | 46875.0 | 6212.5 | 18981.25 | 12768.75 | 27.24 | 3393.75 | 0.000 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 04:00:00 | 17 | 46875.0 | 6247.5 | 18328.12 | 12080.62 | 25.77 | 2705.62 | 0.000 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 04:15:00 | 18 | 46875.0 | 8912.5 | 17353.12 | 8440.62 | 18.01 | 704.69 | -1.051 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 04:30:00 | 19 | 46875.0 | 8630.0 | 15962.5 | 7332.5 | 15.64 | 150.63 | -2.964 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 04:45:00 | 20 | 46875.0 | 8562.5 | 15343.75 | 6781.25 | 14.47 | 0.00 | -3.300 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 05:00:00 | 21 | 46875.0 | 8650.0 | 14943.75 | 6293.75 | 13.43 | 0.00 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Hiwarwadi 220kV | 11/01/2020 05:15:00 | 22 | 46875.0 | 8330.0 | 14500.0 | 6170.0 | 13.16 | 0.00 | 5.314 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 05:30:00 | 23 | 46875.0 | 8130.0 | 14406.25 | 6276.25 | 13.39 | 0.00 | 2.964 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 05:45:00 | 24 | 46875.0 | 7552.5 | 13928.12 | 6375.62 | 13.6 | 0.00 | 2.103 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 06:00:00 | 25 | 46875.0 | 7412.5 | 13709.38 | 6296.88 | 13.43 | 0.00 | 3.636 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 06:15:00 | 26 | 46875.0 | 7380.0 | 14000.0 | 6620.0 | 14.12 | 0.00 | 2.964 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 06:30:00 | 27 | 46875.0 | 7135.0 | 13028.12 | 5893.12 | 12.57 | 0.00 | 4.105 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 06:45:00 | 28 | 46875.0 | 6912.5 | 12400.0 | 5487.5 | 11.71 | 0.00 | 5.650 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 07:00:00 | 29 | 46875.0 | 6630.0 | 12462.5 | 5832.5 | 12.44 | 0.00 | 3.300 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 07:15:00 | 30 | 46875.0 | 6580.0 | 12096.88 | 5516.88 | 11.77 | 0.00 | 5.314 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 07:30:00 | 31 | 46875.0 | 6247.5 | 11340.62 | 5093.12 | 10.87 | 0.00 | 2.964 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 07:45:00 | 32 | 46875.0 | 6222.5 | 11075.0 | 4852.5 | 10.35 | 0.00 | 2.103 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 08:00:00 | 33 | 46875.0 | 6212.5 | 11053.12 | 4840.62 | 10.33 | 0.00 | -1.577 | -173.435522 |
| Hiwarwadi 220kV | 11/01/2020 08:15:00 | 34 | 46875.0 | 6247.5 | 9412.5 | 3165.0 | 6.75 | 0.00 | 3.300 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 08:30:00 | 35 | 46875.0 | 6315.0 | 8934.38 | 2619.38 | 5.59 | 0.00 | 2.116 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 08:45:00 | 36 | 46875.0 | 6247.5 | 7912.5 | 1665.0 | 3.55 | 0.00 | 2.964 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 09:00:00 | 37 | 46875.0 | 6222.5 | 6606.25 | 383.75 | 0.82 | 0.00 | 6.681 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 09:15:00 | 38 | 46875.0 | 6212.5 | 5950.0 | -262.5 | 0.56 | 0.00 | 6.657 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 09:30:00 | 39 | 46875.0 | 6087.5 | 4409.38 | -1678.12 | 3.58 | 0.00 | -6.322 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 09:45:00 | 40 | 46875.0 | 6152.5 | 3493.75 | -2658.75 | 5.67 | 0.00 | -2.103 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 10:00:00 | 41 | 46875.0 | 5975.0 | 3300.0 | -2675.0 | 5.71 | 0.00 | 0.526 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 10:15:00 | 42 | 46875.0 | 6187.5 | 2484.38 | -3703.12 | 7.9 | 0.00 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Hiwarwadi 220kV | 11/01/2020 10:30:00 | 43 | 46875.0 | 6247.5 | 1728.12 | -4519.38 | 9.64 | 0.00 | 0.000 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 10:45:00 | 44 | 46875.0 | 6315.0 | 1346.88 | -4968.12 | 10.6 | 0.00 | 0.000 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 11:00:00 | 45 | 46875.0 | 6247.5 | 1031.25 | -5216.25 | 11.13 | 0.00 | 0.000 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 11:15:00 | 46 | 46875.0 | 6290.0 | 862.5 | -5427.5 | 11.58 | 0.00 | -2.964 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 11:30:00 | 47 | 46875.0 | 6287.5 | 803.12 | -5484.38 | 11.7 | 0.00 | -4.307 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 11:45:00 | 48 | 46875.0 | 6197.5 | 1003.12 | -5194.38 | 11.08 | 0.00 | -3.300 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 12:00:00 | 49 | 46875.0 | 6247.5 | 1056.25 | -5191.25 | 11.07 | 0.00 | -0.526 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 12:15:00 | 50 | 46875.0 | 6222.5 | 887.5 | -5335.0 | 11.38 | 0.00 | -2.103 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 12:30:00 | 51 | 46875.0 | 6212.5 | 671.88 | -5540.62 | 11.82 | 0.00 | -2.629 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 12:45:00 | 52 | 46875.0 | 6087.5 | 484.38 | -5603.12 | 11.95 | 0.00 | -2.629 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 13:00:00 | 53 | 46875.0 | 6152.5 | 346.88 | -5805.62 | 12.39 | 0.00 | 0.000 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 13:15:00 | 54 | 46875.0 | 5975.0 | 384.38 | -5590.62 | 11.93 | 0.00 | -2.103 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 13:30:00 | 55 | 46875.0 | 6187.5 | 271.88 | -5915.62 | 12.62 | 0.00 | 2.629 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 13:45:00 | 56 | 46875.0 | 6247.5 | 165.62 | -6081.88 | 12.97 | 0.00 | 2.103 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 14:00:00 | 57 | 46875.0 | 6315.0 | 362.5 | -5952.5 | 12.7 | 0.00 | 1.051 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 14:15:00 | 58 | 46875.0 | 6247.5 | 478.12 | -5769.38 | 12.31 | 0.00 | 3.300 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 14:30:00 | 59 | 46875.0 | 6290.0 | 803.12 | -5486.88 | 11.71 | 0.00 | -3.636 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 14:45:00 | 60 | 46875.0 | 6287.5 | 765.62 | -5521.88 | 11.78 | 0.00 | 4.979 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 15:00:00 | 61 | 46875.0 | 6197.5 | 1012.5 | -5185.0 | 11.06 | 0.00 | -2.964 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 15:15:00 | 62 | 46875.0 | 6247.5 | 993.75 | -5253.75 | 11.21 | 0.00 | -5.314 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 15:30:00 | 63 | 46875.0 | 6222.5 | 878.12 | -5344.38 | 11.4 | 0.00 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Hiwarwadi 220kV | 11/01/2020 15:45:00 | 64 | 46875.0 | 6315.0 | 750.0 | -5565.0 | 11.87 | 0.00 | 4.643 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 16:00:00 | 65 | 46875.0 | 6065.0 | 1021.88 | -5043.12 | 10.76 | 0.00 | 2.103 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 16:15:00 | 66 | 46875.0 | 6040.0 | 946.88 | -5093.12 | 10.87 | 0.00 | -2.964 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 16:30:00 | 67 | 46875.0 | 5922.5 | 1031.25 | -4891.25 | 10.43 | 0.00 | -2.103 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 16:45:00 | 68 | 46875.0 | 5967.5 | 1231.25 | -4736.25 | 10.1 | 0.00 | 3.972 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 17:00:00 | 69 | 46875.0 | 6087.5 | 1490.62 | -4596.88 | 9.81 | 0.00 | -1.577 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 17:15:00 | 70 | 46875.0 | 6152.5 | 1787.5 | -4365.0 | 9.31 | 0.00 | -1.577 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 17:30:00 | 71 | 46875.0 | 6187.5 | 1812.5 | -4375.0 | 9.33 | 0.00 | 1.051 | 55.822133 |
| Hiwarwadi 220kV | 11/01/2020 17:45:00 | 72 | 46875.0 | 6247.5 | 2350.0 | -3897.5 | 8.31 | 0.00 | -2.103 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 18:00:00 | 73 | 46875.0 | 6315.0 | 2828.12 | -3486.88 | 7.44 | 0.00 | -2.964 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 18:15:00 | 74 | 46875.0 | 6247.5 | 2900.0 | -3347.5 | 7.14 | 0.00 | -2.629 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 18:30:00 | 75 | 46875.0 | 6222.5 | 3484.38 | -2738.12 | 5.84 | 0.00 | 2.103 | 96.251745 |
| Hiwarwadi 220kV | 11/01/2020 18:45:00 | 76 | 46875.0 | 6212.5 | 3512.5 | -2700.0 | 5.76 | 0.00 | 0.526 | 277.902444 |
| Hiwarwadi 220kV | 11/01/2020 19:00:00 | 77 | 46875.0 | 6247.5 | 3334.38 | -2913.12 | 6.21 | 0.00 | 2.103 | 1190.873409 |
| Hiwarwadi 220kV | 11/01/2020 19:15:00 | 78 | 46875.0 | 6315.0 | 2865.62 | -3449.38 | 7.36 | 0.00 | -1.052 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 19:30:00 | 79 | 46875.0 | 6747.5 | 2890.62 | -3856.88 | 8.23 | 0.00 | 2.964 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 19:45:00 | 80 | 46875.0 | 6722.5 | 2828.12 | -3894.38 | 8.31 | 0.00 | 2.629 | 2896.783521 |
| Hiwarwadi 220kV | 11/01/2020 20:00:00 | 81 | 46875.0 | 6712.5 | 2581.25 | -4131.25 | 8.81 | 0.00 | 2.629 | 671.868141 |
| Hiwarwadi 220kV | 11/01/2020 20:15:00 | 82 | 46875.0 | 6587.5 | 2556.25 | -4031.25 | 8.6 | 0.00 | 4.307 | 2161.859904 |
| Hiwarwadi 220kV | 11/01/2020 20:30:00 | 83 | 46875.0 | 6652.5 | 2315.62 | -4336.88 | 9.25 | 0.00 | 2.964 | 5963.258171 |
| Hiwarwadi 220kV | 11/01/2020 20:45:00 | 84 | 46875.0 | 6475.0 | 2181.25 | -4293.75 | 9.16 | 0.00 | 2.629 | 5067.925486 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Hiwarwadi 220kV | 11/01/2020 21:00:00 | 85 | 46875.0 | 6687.5 | 2037.5 | -4650.0 | 9.92 | 0.00 | 3.636 | 996.811339 |
| Hiwarwadi 220kV | 11/01/2020 21:15:00 | 86 | 46875.0 | 6747.5 | 2031.25 | -4716.25 | 10.06 | 0.00 | -1.577 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 21:30:00 | 87 | 46875.0 | 6815.0 | 2065.62 | -4749.38 | 10.13 | 0.00 | -1.577 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 21:45:00 | 88 | 46875.0 | 6747.5 | 2118.75 | -4628.75 | 9.87 | 0.00 | -1.052 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 22:00:00 | 89 | 46875.0 | 6652.5 | 2025.0 | -4627.5 | 9.87 | 0.00 | -5.650 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 22:15:00 | 90 | 46875.0 | 6687.5 | 1787.5 | -4900.0 | 10.45 | 0.00 | -5.650 | 0.000000 |
| Hiwarwadi 220kV | 11/01/2020 22:30:00 | 91 | 46875.0 | 6747.5 | 1734.38 | -5013.12 | 10.69 | 0.00 | 4.979 | 2417.108970 |
| Hiwarwadi 220kV | 11/01/2020 22:45:00 | 92 | 46875.0 | 6815.0 | 1950.0 | -4865.0 | 10.38 | 0.00 | 2.964 | 3055.136696 |
| Hiwarwadi 220kV | 11/01/2020 23:00:00 | 93 | 46875.0 | 6747.5 | 1643.75 | -5103.75 | 10.89 | 0.00 | 1.577 | 798.061873 |
| Hiwarwadi 220kV | 11/01/2020 23:15:00 | 94 | 46875.0 | 6722.5 | 1418.75 | -5303.75 | 11.31 | 0.00 | 1.074 | 678.348023 |
| Hiwarwadi 220kV | 11/01/2020 23:30:00 | 95 | 46875.0 | 6712.5 | 1215.62 | -5496.88 | 11.73 | 0.00 | 2.113 | 3168.887643 |
| Hiwarwadi 220kV | 11/01/2020 23:45:00 | 96 | 46875.0 | 6747.5 | 1112.5 | -5635.0 | 12.02 | 0.00 | 2.162 | 4187.956508 |
| Hiwarwadi 220kV | 12/01/2020 00:00:00 | 1 | 46875.0 | 6412.5 | 968.75 | -5443.75 | 11.61 | 0.00 | 3.022 | 3348.275581 |
| Hiwarwadi 220kV | 12/01/2020 00:15:00 | 2 | 46875.0 | 6337.5 | 975.0 | -5362.5 | 11.44 | 0.00 | -2.152 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 00:30:00 | 3 | 46875.0 | 5972.5 | 1200.0 | -4772.5 | 10.18 | 0.00 | -2.152 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 00:45:00 | 4 | 46875.0 | 6065.0 | 1581.25 | -4483.75 | 9.57 | 0.00 | -3.022 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 01:00:00 | 5 | 46875.0 | 5815.0 | 1800.0 | -4015.0 | 8.57 | 0.00 | -0.629 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 01:15:00 | 6 | 46875.0 | 5790.0 | 2678.12 | -3111.88 | 6.64 | 0.00 | -3.317 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 01:30:00 | 7 | 46875.0 | 5672.5 | 3062.5 | -2610.0 | 5.57 | 0.00 | -3.354 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 01:45:00 | 8 | 46875.0 | 5717.5 | 4793.75 | -923.75 | 1.97 | 0.00 | -3.022 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 02:00:00 | 9 | 46875.0 | 5837.5 | 5428.12 | -409.38 | 0.87 | 0.00 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Hiwarwadi 220kV | 12/01/2020 02:15:00 | 10 | 46875.0 | 5902.5 | 4600.0 | -1302.5 | 2.78 | 0.00 | -3.022 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 02:30:00 | 11 | 46875.0 | 5937.5 | 4000.0 | -1937.5 | 4.13 | 0.00 | -2.690 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 02:45:00 | 12 | 46875.0 | 5997.5 | 3471.88 | -2525.62 | 5.39 | 0.00 | -3.022 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 03:00:00 | 13 | 46875.0 | 6065.0 | 3890.62 | -2174.38 | 4.64 | 0.00 | 3.354 | 1029.540744 |
| Hiwarwadi 220kV | 12/01/2020 03:15:00 | 14 | 46875.0 | 5997.5 | 4112.5 | -1885.0 | 4.02 | 0.00 | 3.022 | 1094.553514 |
| Hiwarwadi 220kV | 12/01/2020 03:30:00 | 15 | 46875.0 | 5972.5 | 5643.75 | -328.75 | 0.7 | 0.00 | 3.354 | 70.802767 |
| Hiwarwadi 220kV | 12/01/2020 03:45:00 | 16 | 46875.0 | 5962.5 | 7859.38 | 1896.88 | 4.05 | 0.00 | 2.152 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 04:00:00 | 17 | 46875.0 | 5997.5 | 9156.25 | 3158.75 | 6.74 | 0.00 | -2.152 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 04:15:00 | 18 | 46875.0 | 6065.0 | 8437.5 | 2372.5 | 5.06 | 0.00 | -3.022 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 04:30:00 | 19 | 46875.0 | 5997.5 | 7865.62 | 1868.12 | 3.99 | 0.00 | 1.076 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 04:45:00 | 20 | 46875.0 | 5972.5 | 6762.5 | 790.0 | 1.69 | 0.00 | -3.022 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 05:00:00 | 21 | 46875.0 | 5962.5 | 6815.62 | 853.12 | 1.82 | 0.00 | 3.686 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 05:15:00 | 22 | 46875.0 | 5837.5 | 6853.12 | 1015.62 | 2.17 | 0.00 | 3.686 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 05:30:00 | 23 | 46875.0 | 5790.0 | 6915.62 | 1125.62 | 2.4 | 0.00 | -1.614 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 05:45:00 | 24 | 46875.0 | 5672.5 | 6684.38 | 1011.88 | 2.16 | 0.00 | -0.496 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 06:00:00 | 25 | 46875.0 | 5717.5 | 5809.38 | 91.88 | 0.2 | 0.00 | 0.000 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 06:15:00 | 26 | 46875.0 | 5837.5 | 5606.25 | -231.25 | 0.49 | 0.00 | -0.430 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 06:30:00 | 27 | 46875.0 | 5902.5 | 5559.38 | -343.12 | 0.73 | 0.00 | -2.152 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 06:45:00 | 28 | 46875.0 | 5937.5 | 6168.75 | 231.25 | 0.49 | 0.00 | 4.681 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 07:00:00 | 29 | 46875.0 | 7860.0 | 6203.12 | -1656.88 | 3.53 | 0.00 | 1.614 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 07:15:00 | 30 | 46875.0 | 7757.5 | 5987.5 | -1770.0 | 3.78 | 0.00 | 3.838 | 1464.951879 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Hiwarwadi 220kV | 12/01/2020 07:30:00 | 31 | 46875.0 | 8190.0 | 6418.75 | -1771.25 | 3.78 | 0.00 | 3.022 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 07:45:00 | 32 | 46875.0 | 8037.5 | 7231.25 | -806.25 | 1.72 | 0.00 | 2.690 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 08:00:00 | 33 | 46875.0 | 8450.0 | 7212.5 | -1237.5 | 2.64 | 0.00 | -2.690 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 08:15:00 | 34 | 46875.0 | 8890.0 | 6825.0 | -2065.0 | 4.41 | 0.00 | -4.018 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 08:30:00 | 35 | 46875.0 | 9507.5 | 7550.0 | -1957.5 | 4.18 | 0.00 | -2.690 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 08:45:00 | 36 | 46875.0 | 10205.0 | 8131.25 | -2073.75 | 4.42 | 0.00 | 3.022 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 09:00:00 | 37 | 46875.0 | 10437.5 | 7206.25 | -3231.25 | 6.89 | 0.00 | -3.354 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 09:15:00 | 38 | 46875.0 | 10670.0 | 6581.25 | -4088.75 | 8.72 | 0.00 | -4.350 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 09:30:00 | 39 | 46875.0 | 10922.5 | 6150.0 | -4772.5 | 10.18 | 0.00 | 2.152 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 09:45:00 | 40 | 46875.0 | 11162.5 | 6175.0 | -4987.5 | 10.64 | 0.00 | -2.690 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 10:00:00 | 41 | 46875.0 | 10057.5 | 7421.88 | -2635.62 | 5.62 | 0.00 | -3.354 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 10:15:00 | 42 | 46875.0 | 8855.0 | 8268.75 | -586.25 | 1.25 | 0.00 | -3.686 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 10:30:00 | 43 | 46875.0 | 7860.0 | 8312.5 | 452.5 | 0.97 | 0.00 | -1.614 | -15.201986 |
| Hiwarwadi 220kV | 12/01/2020 10:45:00 | 44 | 46875.0 | 6802.5 | 7921.88 | 1119.38 | 2.39 | 0.00 | 3.686 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 11:00:00 | 45 | 46875.0 | 5997.5 | 7340.62 | 1343.12 | 2.87 | 0.00 | -3.354 | -199.907054 |
| Hiwarwadi 220kV | 12/01/2020 11:15:00 | 46 | 46875.0 | 6040.0 | 6434.38 | 394.38 | 0.84 | 0.00 | -5.450 | -173.650338 |
| Hiwarwadi 220kV | 12/01/2020 11:30:00 | 47 | 46875.0 | 6037.5 | 5759.38 | -278.12 | 0.59 | 0.00 | -6.009 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 11:45:00 | 48 | 46875.0 | 5947.5 | 4634.38 | -1313.12 | 2.8 | 0.00 | 2.690 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 12:00:00 | 49 | 46875.0 | 5997.5 | 3271.88 | -2725.62 | 5.81 | 0.00 | 3.686 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 12:15:00 | 50 | 46875.0 | 5972.5 | 3065.62 | -2906.88 | 6.2 | 0.00 | -5.345 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 12:30:00 | 51 | 46875.0 | 5962.5 | 2987.5 | -2975.0 | 6.35 | 0.00 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Hiwarwadi 220kV | 12/01/2020 12:45:00 | 52 | 46875.0 | 5837.5 | 2915.62 | -2921.88 | 6.23 | 0.00 | -5.345 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 13:00:00 | 53 | 46875.0 | 5902.5 | 2884.38 | -3018.12 | 6.44 | 0.00 | -3.999 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 13:15:00 | 54 | 46875.0 | 5725.0 | 2715.62 | -3009.38 | 6.42 | 0.00 | -4.350 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 13:30:00 | 55 | 46875.0 | 5937.5 | 2515.62 | -3421.88 | 7.3 | 0.00 | -1.076 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 13:45:00 | 56 | 46875.0 | 5997.5 | 2575.0 | -3422.5 | 7.3 | 0.00 | -2.690 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 14:00:00 | 57 | 46875.0 | 6065.0 | 2506.25 | -3558.75 | 7.59 | 0.00 | -0.538 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 14:15:00 | 58 | 46875.0 | 5997.5 | 2765.62 | -3231.88 | 6.89 | 0.00 | -2.152 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 14:30:00 | 59 | 46875.0 | 6040.0 | 2446.88 | -3593.12 | 7.67 | 0.00 | -2.690 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 14:45:00 | 60 | 46875.0 | 6037.5 | 1975.0 | -4062.5 | 8.67 | 0.00 | -1.076 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 15:00:00 | 61 | 46875.0 | 5947.5 | 1675.0 | -4272.5 | 9.11 | 0.00 | 0.000 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 15:15:00 | 62 | 46875.0 | 5997.5 | 1500.0 | -4497.5 | 9.59 | 0.00 | -2.690 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 15:30:00 | 63 | 46875.0 | 5972.5 | 950.0 | -5022.5 | 10.71 | 0.00 | -3.022 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 15:45:00 | 64 | 46875.0 | 6065.0 | 834.38 | -5230.62 | 11.16 | 0.00 | -3.686 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 16:00:00 | 65 | 46875.0 | 5815.0 | 837.5 | -4977.5 | 10.62 | 0.00 | -3.737 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 16:15:00 | 66 | 46875.0 | 5790.0 | 521.88 | -5268.12 | 11.24 | 0.00 | -5.786 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 16:30:00 | 67 | 46875.0 | 5672.5 | 487.5 | -5185.0 | 11.06 | 0.00 | -4.350 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 16:45:00 | 68 | 46875.0 | 5717.5 | 643.75 | -5073.75 | 10.82 | 0.00 | -1.614 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 17:00:00 | 69 | 46875.0 | 5837.5 | 631.25 | -5206.25 | 11.11 | 0.00 | 0.000 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 17:15:00 | 70 | 46875.0 | 5902.5 | 581.25 | -5321.25 | 11.35 | 0.00 | 2.690 | 1379.554028 |
| Hiwarwadi 220kV | 12/01/2020 17:30:00 | 71 | 46875.0 | 5937.5 | 459.38 | -5478.12 | 11.69 | 0.00 | -3.022 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 17:45:00 | 72 | 46875.0 | 5997.5 | 459.38 | -5538.12 | 11.81 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Hiwarwadi 220kV | 12/01/2020 18:00:00 | 73 | 46875.0 | 6065.0 | 556.25 | -5508.75 | 11.75 | 0.00 | -0.538 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 18:15:00 | 74 | 46875.0 | 5997.5 | 668.75 | -5328.75 | 11.37 | 0.00 | -4.350 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 18:30:00 | 75 | 46875.0 | 5972.5 | 775.0 | -5197.5 | 11.09 | 0.00 | 2.690 | 893.788857 |
| Hiwarwadi 220kV | 12/01/2020 18:45:00 | 76 | 46875.0 | 5962.5 | 1281.25 | -4681.25 | 9.99 | 0.00 | 3.022 | 5186.198706 |
| Hiwarwadi 220kV | 12/01/2020 19:00:00 | 77 | 46875.0 | 5997.5 | 1465.62 | -4531.88 | 9.67 | 0.00 | 3.686 | 1612.701244 |
| Hiwarwadi 220kV | 12/01/2020 19:15:00 | 78 | 46875.0 | 6065.0 | 1768.75 | -4296.25 | 9.17 | 0.00 | 2.690 | 90.749928 |
| Hiwarwadi 220kV | 12/01/2020 19:30:00 | 79 | 46875.0 | 5997.5 | 2059.38 | -3938.12 | 8.4 | 0.00 | -3.022 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 19:45:00 | 80 | 46875.0 | 5972.5 | 2596.88 | -3375.62 | 7.2 | 0.00 | -1.781 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 20:00:00 | 81 | 46875.0 | 5962.5 | 2581.25 | -3381.25 | 7.21 | 0.00 | -3.021 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 20:15:00 | 82 | 46875.0 | 5837.5 | 2521.88 | -3315.62 | 7.07 | 0.00 | -4.018 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 20:30:00 | 83 | 46875.0 | 5902.5 | 2196.88 | -3705.62 | 7.91 | 0.00 | -3.354 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 20:45:00 | 84 | 46875.0 | 5725.0 | 1843.75 | -3881.25 | 8.28 | 0.00 | -1.614 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 21:00:00 | 85 | 46875.0 | 5937.5 | 1506.25 | -4431.25 | 9.45 | 0.00 | -4.350 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 21:15:00 | 86 | 46875.0 | 5997.5 | 1240.62 | -4756.88 | 10.15 | 0.00 | -3.686 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 21:30:00 | 87 | 46875.0 | 6065.0 | 1003.12 | -5061.88 | 10.8 | 0.00 | -1.614 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 21:45:00 | 88 | 46875.0 | 5997.5 | 618.75 | -5378.75 | 11.47 | 0.00 | 0.000 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 22:00:00 | 89 | 46875.0 | 5902.5 | 190.62 | -5711.88 | 12.19 | 0.00 | -3.354 | 0.000000 |
| Hiwarwadi 220kV | 12/01/2020 22:15:00 | 90 | 46875.0 | 5937.5 | 34.38 | -5903.12 | 12.59 | 0.00 | 4.350 | 7207.418998 |
| Hiwarwadi 220kV | 12/01/2020 22:30:00 | 91 | 46875.0 | 5997.5 | 0.0 | -5997.5 | 12.79 | 0.00 | 5.215 | 13810.063337 |
| Hiwarwadi 220kV | 12/01/2020 22:45:00 | 92 | 46875.0 | 6065.0 | 0.0 | -6065.0 | 12.94 | 0.00 | 3.022 | 1367.109701 |
| Hiwarwadi 220kV | 12/01/2020 23:00:00 | 93 | 46875.0 | 5997.5 | 0.0 | -5997.5 | 12.79 | 0.00 | 3.022 | 2961.101185 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Hiwarwadi 220kV | 12/01/2020 23:15:00 | 94 | 46875.0 | 5972.5 | 0.0 | -5972.5 | 12.74 | 0.00 | 2.152 | 2936.126517 |
| Hiwarwadi 220kV | 12/01/2020 23:30:00 | 95 | 46875.0 | 5962.5 | 0.0 | -5962.5 | 12.72 | 0.00 | 2.152 | 1686.785577 |
| Hiwarwadi 220kV | 12/01/2020 23:45:00 | 96 | 46875.0 | 5997.5 | 12.5 | -5985.0 | 12.77 | 0.00 | 2.152 | 1945.415970 |
| JBM Solar 132kV | 06/01/2020 00:00:00 | 1 | 25000.0 | 0.0 | -100.0 | -100.0 | 0.4 | 0.00 | 2.903 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 00:15:00 | 2 | 25000.0 | 0.0 | -60.0 | -60.0 | 0.24 | 0.00 | 0.000 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 00:30:00 | 3 | 25000.0 | 0.0 | -10.0 | -10.0 | 0.04 | 0.00 | 0.000 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 00:45:00 | 4 | 25000.0 | 0.0 | -70.0 | -70.0 | 0.28 | 0.00 | -0.984 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 01:00:00 | 5 | 25000.0 | 0.0 | -90.0 | -90.0 | 0.36 | 0.00 | -3.541 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 01:15:00 | 6 | 25000.0 | 0.0 | -30.0 | -30.0 | 0.12 | 0.00 | 3.222 | 0.720234 |
| JBM Solar 132kV | 06/01/2020 01:30:00 | 7 | 25000.0 | 0.0 | -90.0 | -90.0 | 0.36 | 0.00 | 3.541 | 24.289427 |
| JBM Solar 132kV | 06/01/2020 01:45:00 | 8 | 25000.0 | 0.0 | -40.0 | -40.0 | 0.16 | 0.00 | 2.352 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 02:00:00 | 9 | 25000.0 | 0.0 | -10.0 | -10.0 | 0.04 | 0.00 | 1.747 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 02:15:00 | 10 | 25000.0 | 0.0 | -70.0 | -70.0 | 0.28 | 0.00 | 0.581 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 02:30:00 | 11 | 25000.0 | 0.0 | -40.0 | -40.0 | 0.16 | 0.00 | -2.323 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 02:45:00 | 12 | 25000.0 | 0.0 | -90.0 | -90.0 | 0.36 | 0.00 | 2.323 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 03:00:00 | 13 | 25000.0 | 0.0 | -10.0 | -10.0 | 0.04 | 0.00 | 2.323 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 03:15:00 | 14 | 25000.0 | 0.0 | -90.0 | -90.0 | 0.36 | 0.00 | -1.742 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 03:30:00 | 15 | 25000.0 | 0.0 | -50.0 | -50.0 | 0.2 | 0.00 | 3.222 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 03:45:00 | 16 | 25000.0 | 0.0 | -50.0 | -50.0 | 0.2 | 0.00 | 3.541 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 04:00:00 | 17 | 25000.0 | 0.0 | -60.0 | -60.0 | 0.24 | 0.00 | 4.496 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 04:15:00 | 18 | 25000.0 | 0.0 | -70.0 | -70.0 | 0.28 | 0.00 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| JBM Solar 132kV | 06/01/2020 04:30:00 | 19 | 25000.0 | 0.0 | -20.0 | -20.0 | 0.08 | 0.00 | 3.859 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 04:45:00 | 20 | 25000.0 | 0.0 | -40.0 | -40.0 | 0.16 | 0.00 | 4.815 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 05:00:00 | 21 | 25000.0 | 0.0 | -110.0 | -110.0 | 0.44 | 0.00 | 3.859 | 48.243907 |
| JBM Solar 132kV | 06/01/2020 05:15:00 | 22 | 25000.0 | 0.0 | -30.0 | -30.0 | 0.12 | 0.00 | 6.407 | 23.753543 |
| JBM Solar 132kV | 06/01/2020 05:30:00 | 23 | 25000.0 | 0.0 | -60.0 | -60.0 | 0.24 | 0.00 | 6.496 | 70.330048 |
| JBM Solar 132kV | 06/01/2020 05:45:00 | 24 | 25000.0 | 0.0 | -60.0 | -60.0 | 0.24 | 0.00 | 7.492 | 38.007011 |
| JBM Solar 132kV | 06/01/2020 06:00:00 | 25 | 25000.0 | 0.0 | -40.0 | -40.0 | 0.16 | 0.00 | -5.452 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 06:15:00 | 26 | 25000.0 | 50.0 | -60.0 | -110.0 | 0.44 | 0.00 | -6.089 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 06:30:00 | 27 | 25000.0 | 50.0 | -80.0 | -130.0 | 0.52 | 0.00 | -7.044 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 06:45:00 | 28 | 25000.0 | 55.0 | -160.0 | -215.0 | 0.86 | 0.00 | 7.682 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 07:00:00 | 29 | 25000.0 | 55.0 | 140.0 | 85.0 | 0.34 | 0.00 | -3.859 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 07:15:00 | 30 | 25000.0 | 307.5 | 280.0 | -27.5 | 0.11 | 0.00 | 4.815 | 13.654275 |
| JBM Solar 132kV | 06/01/2020 07:30:00 | 31 | 25000.0 | 1027.5 | 1030.0 | 2.5 | 0.01 | 0.00 | 4.178 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 07:45:00 | 32 | 25000.0 | 1940.0 | 2030.0 | 90.0 | 0.36 | 0.00 | -3.540 | -39.813875 |
| JBM Solar 132kV | 06/01/2020 08:00:00 | 33 | 25000.0 | 3207.5 | 3100.0 | -107.5 | 0.43 | 0.00 | -3.859 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 08:15:00 | 34 | 25000.0 | 4740.0 | 3640.0 | -1100.0 | 4.4 | 0.00 | -5.452 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 08:30:00 | 35 | 25000.0 | 6437.5 | 4700.0 | -1737.5 | 6.95 | 0.00 | 4.178 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 08:45:00 | 36 | 25000.0 | 8095.0 | 5970.0 | -2125.0 | 8.5 | 0.00 | -3.859 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 09:00:00 | 37 | 25000.0 | 9537.5 | 7560.0 | -1977.5 | 7.91 | 0.00 | -6.407 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 09:15:00 | 38 | 25000.0 | 11090.0 | 10810.0 | -280.0 | 1.12 | 0.00 | -8.000 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 09:30:00 | 39 | 25000.0 | 13320.0 | 12240.0 | -1080.0 | 4.32 | 0.00 | -5.770 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| JBM Solar 132kV | 06/01/2020 09:45:00 | 40 | 25000.0 | 14825.0 | 13360.0 | -1465.0 | 5.86 | 0.00 | 3.222 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 10:00:00 | 41 | 25000.0 | 16150.0 | 13790.0 | -2360.0 | 9.44 | 0.00 | -2.903 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 10:15:00 | 42 | 25000.0 | 17420.0 | 14980.0 | -2440.0 | 9.76 | 0.00 | -3.222 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 10:30:00 | 43 | 25000.0 | 18460.0 | 15340.0 | -3120.0 | 12.48 | 0.00 | 4.815 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 10:45:00 | 44 | 25000.0 | 19360.0 | 14970.0 | -4390.0 | 17.56 | 320.00 | 4.496 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 11:00:00 | 45 | 25000.0 | 20127.5 | 15490.0 | -4637.5 | 18.55 | 443.75 | 16.000 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 11:15:00 | 46 | 25000.0 | 20752.5 | 15530.0 | -5222.5 | 20.89 | 736.25 | 5.133 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 11:30:00 | 47 | 25000.0 | 21380.0 | 16170.0 | -5210.0 | 20.84 | 730.00 | 1.182 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 11:45:00 | 48 | 25000.0 | 21782.5 | 16750.0 | -5032.5 | 20.13 | 641.25 | 6.308 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 12:00:00 | 49 | 25000.0 | 22117.5 | 17100.0 | -5017.5 | 20.07 | 633.75 | 6.598 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 12:15:00 | 50 | 25000.0 | 22212.5 | 17440.0 | -4772.5 | 19.09 | 511.25 | 5.431 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 12:30:00 | 51 | 25000.0 | 22192.5 | 17300.0 | -4892.5 | 19.57 | 571.25 | 3.540 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 12:45:00 | 52 | 25000.0 | 22052.5 | 16590.0 | -5462.5 | 21.85 | 856.25 | -2.903 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 13:00:00 | 53 | 25000.0 | 21820.0 | 16480.0 | -5340.0 | 21.36 | 795.00 | -1.161 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 13:15:00 | 54 | 25000.0 | 21200.0 | 16410.0 | -4790.0 | 19.16 | 520.00 | 3.859 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 13:30:00 | 55 | 25000.0 | 20620.0 | 15880.0 | -4740.0 | 18.96 | 495.00 | -6.407 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 13:45:00 | 56 | 25000.0 | 20060.0 | 15320.0 | -4740.0 | 18.96 | 495.00 | 5.452 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 14:00:00 | 57 | 25000.0 | 19220.0 | 14400.0 | -4820.0 | 19.28 | 535.00 | 5.452 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 14:15:00 | 58 | 25000.0 | 18405.0 | 14880.0 | -3525.0 | 14.1 | 0.00 | 16.000 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 14:30:00 | 59 | 25000.0 | 17385.0 | 14190.0 | -3195.0 | 12.78 | 0.00 | 6.035 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 14:45:00 | 60 | 25000.0 | 15240.0 | 14880.0 | -360.0 | 1.44 | 0.00 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| JBM Solar 132kV | 06/01/2020 15:00:00 | 61 | 25000.0 | 13960.0 | 13520.0 | -440.0 | 1.76 | 0.00 | 3.367 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 15:15:00 | 62 | 25000.0 | 12840.0 | 12900.0 | 60.0 | 0.24 | 0.00 | 3.904 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 15:30:00 | 63 | 25000.0 | 11322.5 | 10670.0 | -652.5 | 2.61 | 0.00 | 4.482 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 15:45:00 | 64 | 25000.0 | 9902.5 | 9100.0 | -802.5 | 3.21 | 0.00 | 4.225 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 16:00:00 | 65 | 25000.0 | 8592.5 | 7050.0 | -1542.5 | 6.17 | 0.00 | 2.895 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 16:15:00 | 66 | 25000.0 | 7070.0 | 5840.0 | -1230.0 | 4.92 | 0.00 | 6.089 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 16:30:00 | 67 | 25000.0 | 5627.5 | 6120.0 | 492.5 | 1.97 | 0.00 | -8.000 | -522.308404 |
| JBM Solar 132kV | 06/01/2020 16:45:00 | 68 | 25000.0 | 4007.5 | 4330.0 | 322.5 | 1.29 | 0.00 | -4.178 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 17:00:00 | 69 | 25000.0 | 2642.5 | 3080.0 | 437.5 | 1.75 | 0.00 | 1.742 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 17:15:00 | 70 | 25000.0 | 1482.5 | 1980.0 | 497.5 | 1.99 | 0.00 | 2.903 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 17:30:00 | 71 | 25000.0 | 652.5 | 1010.0 | 357.5 | 1.43 | 0.00 | -4.178 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 17:45:00 | 72 | 25000.0 | 147.5 | 390.0 | 242.5 | 0.97 | 0.00 | -2.323 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 18:00:00 | 73 | 25000.0 | 87.5 | 170.0 | 82.5 | 0.33 | 0.00 | -2.903 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 18:15:00 | 74 | 25000.0 | 60.0 | -190.0 | -250.0 | 1.0 | 0.00 | 1.161 | 65.014875 |
| JBM Solar 132kV | 06/01/2020 18:30:00 | 75 | 25000.0 | 0.0 | -130.0 | -130.0 | 0.52 | 0.00 | 2.903 | 110.725367 |
| JBM Solar 132kV | 06/01/2020 18:45:00 | 76 | 25000.0 | 0.0 | -10.0 | -10.0 | 0.04 | 0.00 | 2.903 | 0.201632 |
| JBM Solar 132kV | 06/01/2020 19:00:00 | 77 | 25000.0 | 0.0 | 10.0 | 10.0 | 0.04 | 0.00 | -1.161 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 19:15:00 | 78 | 25000.0 | 0.0 | -50.0 | -50.0 | 0.2 | 0.00 | -4.178 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 19:30:00 | 79 | 25000.0 | 0.0 | -40.0 | -40.0 | 0.16 | 0.00 | -2.323 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 19:45:00 | 80 | 25000.0 | 0.0 | -60.0 | -60.0 | 0.24 | 0.00 | -4.178 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 20:00:00 | 81 | 25000.0 | 0.0 | -140.0 | -140.0 | 0.56 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| JBM Solar 132kV | 06/01/2020 20:15:00 | 82 | 25000.0 | 0.0 | -70.0 | -70.0 | 0.28 | 0.00 | -5.770 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 20:30:00 | 83 | 25000.0 | 0.0 | -70.0 | -70.0 | 0.28 | 0.00 | 5.770 | 9.537717 |
| JBM Solar 132kV | 06/01/2020 20:45:00 | 84 | 25000.0 | 0.0 | 20.0 | 20.0 | 0.08 | 0.00 | 4.178 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 21:00:00 | 85 | 25000.0 | 0.0 | -70.0 | -70.0 | 0.28 | 0.00 | 3.222 | 15.314418 |
| JBM Solar 132kV | 06/01/2020 21:15:00 | 86 | 25000.0 | 0.0 | -110.0 | -110.0 | 0.44 | 0.00 | -1.742 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 21:30:00 | 87 | 25000.0 | 0.0 | -70.0 | -70.0 | 0.28 | 0.00 | 0.000 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 21:45:00 | 88 | 25000.0 | 0.0 | -100.0 | -100.0 | 0.4 | 0.00 | 1.161 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 22:00:00 | 89 | 25000.0 | 0.0 | -50.0 | -50.0 | 0.2 | 0.00 | 4.815 | 29.276379 |
| JBM Solar 132kV | 06/01/2020 22:15:00 | 90 | 25000.0 | 0.0 | -110.0 | -110.0 | 0.44 | 0.00 | 3.859 | 66.451144 |
| JBM Solar 132kV | 06/01/2020 22:30:00 | 91 | 25000.0 | 0.0 | -120.0 | -120.0 | 0.48 | 0.00 | 1.742 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 22:45:00 | 92 | 25000.0 | 0.0 | -40.0 | -40.0 | 0.16 | 0.00 | -2.323 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 23:00:00 | 93 | 25000.0 | 0.0 | -70.0 | -70.0 | 0.28 | 0.00 | -2.903 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 23:15:00 | 94 | 25000.0 | 0.0 | -20.0 | -20.0 | 0.08 | 0.00 | 2.323 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 23:30:00 | 95 | 25000.0 | 0.0 | -30.0 | -30.0 | 0.12 | 0.00 | -3.222 | 0.000000 |
| JBM Solar 132kV | 06/01/2020 23:45:00 | 96 | 25000.0 | 0.0 | -60.0 | -60.0 | 0.24 | 0.00 | 2.323 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 00:00:00 | 1 | 25000.0 | 0.0 | -90.0 | -90.0 | 0.36 | 0.00 | -0.549 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 00:15:00 | 2 | 25000.0 | 0.0 | -30.0 | -30.0 | 0.12 | 0.00 | -1.647 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 00:30:00 | 3 | 25000.0 | 0.0 | -110.0 | -110.0 | 0.44 | 0.00 | -3.073 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 00:45:00 | 4 | 25000.0 | 0.0 | -40.0 | -40.0 | 0.16 | 0.00 | -2.744 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 01:00:00 | 5 | 25000.0 | 0.0 | -50.0 | -50.0 | 0.2 | 0.00 | -4.058 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 01:15:00 | 6 | 25000.0 | 0.0 | -40.0 | -40.0 | 0.16 | 0.00 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| JBM Solar 132kV | 07/01/2020 01:30:00 | 7 | 25000.0 | 0.0 | -40.0 | -40.0 | 0.16 | 0.00 | -3.401 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 01:45:00 | 8 | 25000.0 | 0.0 | -100.0 | -100.0 | 0.4 | 0.00 | 3.730 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 02:00:00 | 9 | 25000.0 | 0.0 | -10.0 | -10.0 | 0.04 | 0.00 | 3.073 | 2.177081 |
| JBM Solar 132kV | 07/01/2020 02:15:00 | 10 | 25000.0 | 0.0 | -40.0 | -40.0 | 0.16 | 0.00 | 3.073 | 3.893985 |
| JBM Solar 132kV | 07/01/2020 02:30:00 | 11 | 25000.0 | 0.0 | -90.0 | -90.0 | 0.36 | 0.00 | 3.401 | 12.254593 |
| JBM Solar 132kV | 07/01/2020 02:45:00 | 12 | 25000.0 | 0.0 | -30.0 | -30.0 | 0.12 | 0.00 | 2.745 | 4.074183 |
| JBM Solar 132kV | 07/01/2020 03:00:00 | 13 | 25000.0 | 0.0 | -60.0 | -60.0 | 0.24 | 0.00 | 1.647 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 03:15:00 | 14 | 25000.0 | 0.0 | -80.0 | -80.0 | 0.32 | 0.00 | 2.196 | 5.132218 |
| JBM Solar 132kV | 07/01/2020 03:30:00 | 15 | 25000.0 | 0.0 | -30.0 | -30.0 | 0.12 | 0.00 | 1.647 | 2.560524 |
| JBM Solar 132kV | 07/01/2020 03:45:00 | 16 | 25000.0 | 0.0 | -80.0 | -80.0 | 0.32 | 0.00 | 1.098 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 04:00:00 | 17 | 25000.0 | 0.0 | -40.0 | -40.0 | 0.16 | 0.00 | 1.647 | 14.647991 |
| JBM Solar 132kV | 07/01/2020 04:15:00 | 18 | 25000.0 | 0.0 | -70.0 | -70.0 | 0.28 | 0.00 | 2.210 | 50.117061 |
| JBM Solar 132kV | 07/01/2020 04:30:00 | 19 | 25000.0 | 0.0 | -40.0 | -40.0 | 0.16 | 0.00 | 3.730 | 40.439682 |
| JBM Solar 132kV | 07/01/2020 04:45:00 | 20 | 25000.0 | 0.0 | -70.0 | -70.0 | 0.28 | 0.00 | -1.098 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 05:00:00 | 21 | 25000.0 | 0.0 | -90.0 | -90.0 | 0.36 | 0.00 | -2.744 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 05:15:00 | 22 | 25000.0 | 0.0 | -20.0 | -20.0 | 0.08 | 0.00 | 3.730 | 10.274395 |
| JBM Solar 132kV | 07/01/2020 05:30:00 | 23 | 25000.0 | 0.0 | -80.0 | -80.0 | 0.32 | 0.00 | 3.073 | 92.327975 |
| JBM Solar 132kV | 07/01/2020 05:45:00 | 24 | 25000.0 | 0.0 | -70.0 | -70.0 | 0.28 | 0.00 | 3.730 | 62.759181 |
| JBM Solar 132kV | 07/01/2020 06:00:00 | 25 | 25000.0 | 0.0 | 30.0 | 30.0 | 0.12 | 0.00 | -5.372 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 06:15:00 | 26 | 25000.0 | 50.0 | -80.0 | -130.0 | 0.52 | 0.00 | 4.556 | 433.172819 |
| JBM Solar 132kV | 07/01/2020 06:30:00 | 27 | 25000.0 | 50.0 | -40.0 | -90.0 | 0.36 | 0.00 | 7.148 | 519.227226 |

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|---|---|---|---|---|---|---|---|---|---|---|
| JBM Solar 132kV | 07/01/2020 06:45:00 | 28 | 25000.0 | 55.0 | -120.0 | -175.0 | 0.7 | 0.00 | 7.821 | 925.787472 |
| JBM Solar 132kV | 07/01/2020 07:00:00 | 29 | 25000.0 | 522.5 | 100.0 | -422.5 | 1.69 | 0.00 | 5.372 | 1122.771664 |
| JBM Solar 132kV | 07/01/2020 07:15:00 | 30 | 25000.0 | 1060.0 | 260.0 | -800.0 | 3.2 | 0.00 | 16.000 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 07:30:00 | 31 | 25000.0 | 1835.0 | 990.0 | -845.0 | 3.38 | 0.00 | 9.296 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 07:45:00 | 32 | 25000.0 | 2695.0 | 2250.0 | -445.0 | 1.78 | 0.00 | 9.794 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 08:00:00 | 33 | 25000.0 | 4047.5 | 2990.0 | -1057.5 | 4.23 | 0.00 | 3.593 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 08:15:00 | 34 | 25000.0 | 5467.5 | 3370.0 | -2097.5 | 8.39 | 0.00 | 3.401 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 08:30:00 | 35 | 25000.0 | 7027.5 | 3300.0 | -3727.5 | 14.91 | 0.00 | 3.245 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 08:45:00 | 36 | 25000.0 | 8302.5 | 4530.0 | -3772.5 | 15.09 | 11.25 | 0.000 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 09:00:00 | 37 | 25000.0 | 9620.0 | 5130.0 | -4490.0 | 17.96 | 370.00 | 2.745 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 09:15:00 | 38 | 25000.0 | 11142.5 | 7350.0 | -3792.5 | 15.17 | 21.25 | 4.715 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 09:30:00 | 39 | 25000.0 | 12397.5 | 10130.0 | -2267.5 | 9.07 | 0.00 | 3.981 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 09:45:00 | 40 | 25000.0 | 14110.0 | 11790.0 | -2320.0 | 9.28 | 0.00 | 3.730 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 10:00:00 | 41 | 25000.0 | 15107.5 | 12240.0 | -2867.5 | 11.47 | 0.00 | 1.780 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 10:15:00 | 42 | 25000.0 | 16545.0 | 13980.0 | -2565.0 | 10.26 | 0.00 | 5.643 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 10:30:00 | 43 | 25000.0 | 17477.5 | 14930.0 | -2547.5 | 10.19 | 0.00 | 4.976 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 10:45:00 | 44 | 25000.0 | 18367.5 | 15000.0 | -3367.5 | 13.47 | 0.00 | 4.415 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 11:00:00 | 45 | 25000.0 | 19120.0 | 15380.0 | -3740.0 | 14.96 | 0.00 | 4.476 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 11:15:00 | 46 | 25000.0 | 19357.5 | 15990.0 | -3367.5 | 13.47 | 0.00 | 4.826 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 11:30:00 | 47 | 25000.0 | 19850.0 | 16180.0 | -3670.0 | 14.68 | 0.00 | 2.289 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 11:45:00 | 48 | 25000.0 | 20430.0 | 15510.0 | -4920.0 | 19.68 | 585.00 | -0.549 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| JBM Solar 132kV | 07/01/2020 12:00:00 | 49 | 25000.0 | 20625.0 | 12280.0 | -8345.0 | 33.38 | 3345.00 | 4.727 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 12:15:00 | 50 | 25000.0 | 20980.0 | 9130.0 | -11850.0 | 47.4 | 8400.00 | 4.777 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 12:30:00 | 51 | 25000.0 | 20635.0 | 11910.0 | -8725.0 | 34.9 | 3725.00 | 4.798 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 12:45:00 | 52 | 25000.0 | 20735.0 | 13520.0 | -7215.0 | 28.86 | 2215.00 | -3.401 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 13:00:00 | 53 | 25000.0 | 20502.5 | 12550.0 | -7952.5 | 31.81 | 2952.50 | -2.431 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 13:15:00 | 54 | 25000.0 | 20042.5 | 15200.0 | -4842.5 | 19.37 | 546.25 | -4.387 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 13:30:00 | 55 | 25000.0 | 18677.5 | 16060.0 | -2617.5 | 10.47 | 0.00 | -3.401 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 13:45:00 | 56 | 25000.0 | 14147.5 | 15260.0 | 1112.5 | 4.45 | 0.00 | -5.044 | -46.327893 |
| JBM Solar 132kV | 07/01/2020 14:00:00 | 57 | 25000.0 | 13770.0 | 14750.0 | 980.0 | 3.92 | 0.00 | 4.215 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 14:15:00 | 58 | 25000.0 | 13637.5 | 11180.0 | -2457.5 | 9.83 | 0.00 | 9.552 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 14:30:00 | 59 | 25000.0 | 13507.5 | 13110.0 | -397.5 | 1.59 | 0.00 | 6.358 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 14:45:00 | 60 | 25000.0 | 11990.0 | 12540.0 | 550.0 | 2.2 | 0.00 | 2.744 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 15:00:00 | 61 | 25000.0 | 10470.0 | 11060.0 | 590.0 | 2.36 | 0.00 | -3.073 | -94.771149 |
| JBM Solar 132kV | 07/01/2020 15:15:00 | 62 | 25000.0 | 9572.5 | 10230.0 | 657.5 | 2.63 | 0.00 | -4.058 | -119.188150 |
| JBM Solar 132kV | 07/01/2020 15:30:00 | 63 | 25000.0 | 8675.0 | 6780.0 | -1895.0 | 7.58 | 0.00 | -4.831 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 15:45:00 | 64 | 25000.0 | 8492.5 | 5890.0 | -2602.5 | 10.41 | 0.00 | -5.372 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 16:00:00 | 65 | 25000.0 | 6920.0 | 6990.0 | 70.0 | 0.28 | 0.00 | 2.196 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 16:15:00 | 66 | 25000.0 | 5590.0 | 7390.0 | 1800.0 | 7.2 | 0.00 | -3.401 | -414.123159 |
| JBM Solar 132kV | 07/01/2020 16:30:00 | 67 | 25000.0 | 4765.0 | 4090.0 | -675.0 | 2.7 | 0.00 | 4.738 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 16:45:00 | 68 | 25000.0 | 3575.0 | 2830.0 | -745.0 | 2.98 | 0.00 | 7.343 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 17:00:00 | 69 | 25000.0 | 2520.0 | 1900.0 | -620.0 | 2.48 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| JBM Solar 132kV | 07/01/2020 17:15:00 | 70 | 25000.0 | 1517.5 | 910.0 | -607.5 | 2.43 | 0.00 | 2.744 | 101.055263 |
| JBM Solar 132kV | 07/01/2020 17:30:00 | 71 | 25000.0 | 687.5 | 390.0 | -297.5 | 1.19 | 0.00 | 3.401 | 19.643756 |
| JBM Solar 132kV | 07/01/2020 17:45:00 | 72 | 25000.0 | 245.0 | 210.0 | -35.0 | 0.14 | 0.00 | -2.745 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 18:00:00 | 73 | 25000.0 | 50.0 | 120.0 | 70.0 | 0.28 | 0.00 | -3.073 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 18:15:00 | 74 | 25000.0 | 32.5 | -50.0 | -82.5 | 0.33 | 0.00 | -5.372 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 18:30:00 | 75 | 25000.0 | 30.0 | -40.0 | -70.0 | 0.28 | 0.00 | 3.401 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 18:45:00 | 76 | 25000.0 | 30.0 | -40.0 | -70.0 | 0.28 | 0.00 | -3.401 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 19:00:00 | 77 | 25000.0 | 30.0 | -40.0 | -70.0 | 0.28 | 0.00 | -3.730 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 19:15:00 | 78 | 25000.0 | 0.0 | -40.0 | -40.0 | 0.16 | 0.00 | -4.715 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 19:30:00 | 79 | 25000.0 | 0.0 | -40.0 | -40.0 | 0.16 | 0.00 | -4.058 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 19:45:00 | 80 | 25000.0 | 0.0 | -60.0 | -60.0 | 0.24 | 0.00 | -2.210 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 20:00:00 | 81 | 25000.0 | 0.0 | -130.0 | -130.0 | 0.52 | 0.00 | -2.348 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 20:15:00 | 82 | 25000.0 | 0.0 | -60.0 | -60.0 | 0.24 | 0.00 | 4.387 | 93.639033 |
| JBM Solar 132kV | 07/01/2020 20:30:00 | 83 | 25000.0 | 0.0 | -90.0 | -90.0 | 0.36 | 0.00 | 3.816 | 183.661897 |
| JBM Solar 132kV | 07/01/2020 20:45:00 | 84 | 25000.0 | 0.0 | -50.0 | -50.0 | 0.2 | 0.00 | 3.401 | 24.566793 |
| JBM Solar 132kV | 07/01/2020 21:00:00 | 85 | 25000.0 | 0.0 | -110.0 | -110.0 | 0.44 | 0.00 | -4.058 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 21:15:00 | 86 | 25000.0 | 0.0 | -30.0 | -30.0 | 0.12 | 0.00 | 1.647 | 15.901067 |
| JBM Solar 132kV | 07/01/2020 21:30:00 | 87 | 25000.0 | 0.0 | -70.0 | -70.0 | 0.28 | 0.00 | 2.196 | 22.321880 |
| JBM Solar 132kV | 07/01/2020 21:45:00 | 88 | 25000.0 | 0.0 | -70.0 | -70.0 | 0.28 | 0.00 | -2.196 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 22:00:00 | 89 | 25000.0 | 0.0 | -50.0 | -50.0 | 0.2 | 0.00 | -3.257 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 22:15:00 | 90 | 25000.0 | 0.0 | -130.0 | -130.0 | 0.52 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| JBM Solar 132kV | 07/01/2020 22:30:00 | 91 | 25000.0 | 0.0 | -110.0 | -110.0 | 0.44 | 0.00 | -1.098 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 22:45:00 | 92 | 25000.0 | 0.0 | -40.0 | -40.0 | 0.16 | 0.00 | -1.647 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 23:00:00 | 93 | 25000.0 | 0.0 | -80.0 | -80.0 | 0.32 | 0.00 | -3.401 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 23:15:00 | 94 | 25000.0 | 0.0 | -40.0 | -40.0 | 0.16 | 0.00 | 1.647 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 23:30:00 | 95 | 25000.0 | 0.0 | -40.0 | -40.0 | 0.16 | 0.00 | -2.196 | 0.000000 |
| JBM Solar 132kV | 07/01/2020 23:45:00 | 96 | 25000.0 | 0.0 | -50.0 | -50.0 | 0.2 | 0.00 | -0.549 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 00:00:00 | 1 | 25000.0 | 0.0 | -60.0 | -60.0 | 0.24 | 0.00 | -2.220 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 00:15:00 | 2 | 25000.0 | 0.0 | -90.0 | -90.0 | 0.36 | 0.00 | -3.101 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 00:30:00 | 3 | 25000.0 | 0.0 | -30.0 | -30.0 | 0.12 | 0.00 | -3.101 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 00:45:00 | 4 | 25000.0 | 0.0 | -40.0 | -40.0 | 0.16 | 0.00 | -2.424 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 01:00:00 | 5 | 25000.0 | 0.0 | -80.0 | -80.0 | 0.32 | 0.00 | -2.170 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 01:15:00 | 6 | 25000.0 | 0.0 | -70.0 | -70.0 | 0.28 | 0.00 | -1.761 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 01:30:00 | 7 | 25000.0 | 0.0 | -40.0 | -40.0 | 0.16 | 0.00 | -1.665 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 01:45:00 | 8 | 25000.0 | 0.0 | -30.0 | -30.0 | 0.12 | 0.00 | -1.665 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 02:00:00 | 9 | 25000.0 | 0.0 | -70.0 | -70.0 | 0.28 | 0.00 | -1.110 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 02:15:00 | 10 | 25000.0 | 0.0 | -20.0 | -20.0 | 0.08 | 0.00 | -1.347 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 02:30:00 | 11 | 25000.0 | 0.0 | -70.0 | -70.0 | 0.28 | 0.00 | -3.101 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 02:45:00 | 12 | 25000.0 | 0.0 | -40.0 | -40.0 | 0.16 | 0.00 | -2.220 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 03:00:00 | 13 | 25000.0 | 0.0 | -20.0 | -20.0 | 0.08 | 0.00 | -3.428 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 03:15:00 | 14 | 25000.0 | 0.0 | -130.0 | -130.0 | 0.52 | 0.00 | -2.220 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 03:30:00 | 15 | 25000.0 | 0.0 | -30.0 | -30.0 | 0.12 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| JBM Solar 132kV | 08/01/2020 03:45:00 | 16 | 25000.0 | 0.0 | -40.0 | -40.0 | 0.16 | 0.00 | -2.775 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 04:00:00 | 17 | 25000.0 | 0.0 | -50.0 | -50.0 | 0.2 | 0.00 | -3.101 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 04:15:00 | 18 | 25000.0 | 0.0 | -100.0 | -100.0 | 0.4 | 0.00 | -1.665 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 04:30:00 | 19 | 25000.0 | 0.0 | -50.0 | -50.0 | 0.2 | 0.00 | -2.220 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 04:45:00 | 20 | 25000.0 | 0.0 | -20.0 | -20.0 | 0.08 | 0.00 | -2.775 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 05:00:00 | 21 | 25000.0 | 0.0 | -110.0 | -110.0 | 0.44 | 0.00 | -1.110 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 05:15:00 | 22 | 25000.0 | 0.0 | -30.0 | -30.0 | 0.12 | 0.00 | 2.775 | 1.445639 |
| JBM Solar 132kV | 08/01/2020 05:30:00 | 23 | 25000.0 | 0.0 | -70.0 | -70.0 | 0.28 | 0.00 | -3.428 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 05:45:00 | 24 | 25000.0 | 0.0 | -20.0 | -20.0 | 0.08 | 0.00 | -2.775 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 06:00:00 | 25 | 25000.0 | 0.0 | 60.0 | 60.0 | 0.24 | 0.00 | -2.220 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 06:15:00 | 26 | 25000.0 | 50.0 | -70.0 | -120.0 | 0.48 | 0.00 | 2.220 | 24.569404 |
| JBM Solar 132kV | 08/01/2020 06:30:00 | 27 | 25000.0 | 50.0 | -90.0 | -140.0 | 0.56 | 0.00 | 5.387 | 251.994658 |
| JBM Solar 132kV | 08/01/2020 06:45:00 | 28 | 25000.0 | 55.0 | -150.0 | -205.0 | 0.82 | 0.00 | -4.734 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 07:00:00 | 29 | 25000.0 | 522.5 | 60.0 | -462.5 | 1.85 | 0.00 | -4.407 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 07:15:00 | 30 | 25000.0 | 825.0 | 110.0 | -715.0 | 2.86 | 0.00 | 5.061 | 1260.247206 |
| JBM Solar 132kV | 08/01/2020 07:30:00 | 31 | 25000.0 | 1567.5 | 650.0 | -917.5 | 3.67 | 0.00 | 5.714 | 1547.364037 |
| JBM Solar 132kV | 08/01/2020 07:45:00 | 32 | 25000.0 | 2542.5 | 770.0 | -1772.5 | 7.09 | 0.00 | 5.061 | 1175.228417 |
| JBM Solar 132kV | 08/01/2020 08:00:00 | 33 | 25000.0 | 3710.0 | 1650.0 | -2060.0 | 8.24 | 0.00 | 2.775 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 08:15:00 | 34 | 25000.0 | 4952.5 | 2140.0 | -2812.5 | 11.25 | 0.00 | 2.775 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 08:30:00 | 35 | 25000.0 | 5625.0 | 2940.0 | -2685.0 | 10.74 | 0.00 | 5.387 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 08:45:00 | 36 | 25000.0 | 6462.5 | 3440.0 | -3022.5 | 12.09 | 0.00 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| JBM Solar 132kV | 08/01/2020 09:00:00 | 37 | 25000.0 | 7197.5 | 4990.0 | -2207.5 | 8.83 | 0.00 | 7.673 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 09:15:00 | 38 | 25000.0 | 8732.5 | 7590.0 | -1142.5 | 4.57 | 0.00 | 7.673 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 09:30:00 | 39 | 25000.0 | 10802.5 | 9310.0 | -1492.5 | 5.97 | 0.00 | 3.101 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 09:45:00 | 40 | 25000.0 | 12447.5 | 12510.0 | 62.5 | 0.25 | 0.00 | -3.101 | -6.683697 |
| JBM Solar 132kV | 08/01/2020 10:00:00 | 41 | 25000.0 | 14032.5 | 12900.0 | -1132.5 | 4.53 | 0.00 | -3.101 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 10:15:00 | 42 | 25000.0 | 14452.5 | 14660.0 | 207.5 | 0.83 | 0.00 | -3.101 | -44.542810 |
| JBM Solar 132kV | 08/01/2020 10:30:00 | 43 | 25000.0 | 14675.0 | 15010.0 | 335.0 | 1.34 | 0.00 | -1.665 | -54.222422 |
| JBM Solar 132kV | 08/01/2020 10:45:00 | 44 | 25000.0 | 15615.0 | 14670.0 | -945.0 | 3.78 | 0.00 | 0.000 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 11:00:00 | 45 | 25000.0 | 16250.0 | 14160.0 | -2090.0 | 8.36 | 0.00 | -1.486 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 11:15:00 | 46 | 25000.0 | 17027.5 | 14270.0 | -2757.5 | 11.03 | 0.00 | -1.305 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 11:30:00 | 47 | 25000.0 | 17075.0 | 14860.0 | -2215.0 | 8.86 | 0.00 | -2.425 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 11:45:00 | 48 | 25000.0 | 17122.5 | 15570.0 | -1552.5 | 6.21 | 0.00 | -2.775 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 12:00:00 | 49 | 25000.0 | 17290.0 | 15960.0 | -1330.0 | 5.32 | 0.00 | -2.083 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 12:15:00 | 50 | 25000.0 | 17455.0 | 15230.0 | -2225.0 | 8.9 | 0.00 | -3.242 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 12:30:00 | 51 | 25000.0 | 17632.5 | 13970.0 | -3662.5 | 14.65 | 0.00 | -1.330 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 12:45:00 | 52 | 25000.0 | 17722.5 | 14500.0 | -3222.5 | 12.89 | 0.00 | -0.830 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 13:00:00 | 53 | 25000.0 | 18722.5 | 12840.0 | -5882.5 | 23.53 | 1066.25 | 2.775 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 13:15:00 | 54 | 25000.0 | 18667.5 | 11210.0 | -7457.5 | 29.83 | 2457.50 | 0.000 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 13:30:00 | 55 | 25000.0 | 18652.5 | 7300.0 | -11352.5 | 45.41 | 7653.75 | -1.012 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 13:45:00 | 56 | 25000.0 | 18280.0 | 8570.0 | -9710.0 | 38.84 | 5190.00 | -1.087 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 14:00:00 | 57 | 25000.0 | 17552.5 | 10670.0 | -6882.5 | 27.53 | 1882.50 | -3.101 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| JBM Solar 132kV | 08/01/2020 14:15:00 | 58 | 25000.0 | 16812.5 | 8320.0 | -8492.5 | 33.97 | 3492.50 | -4.081 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 14:30:00 | 59 | 25000.0 | 13897.5 | 7230.0 | -6667.5 | 26.67 | 1667.50 | -2.996 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 14:45:00 | 60 | 25000.0 | 11990.0 | 9640.0 | -2350.0 | 9.4 | 0.00 | -3.101 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 15:00:00 | 61 | 25000.0 | 10470.0 | 10900.0 | 430.0 | 1.72 | 0.00 | -1.879 | -108.023365 |
| JBM Solar 132kV | 08/01/2020 15:15:00 | 62 | 25000.0 | 9572.5 | 9960.0 | 387.5 | 1.55 | 0.00 | -4.081 | -13.630876 |
| JBM Solar 132kV | 08/01/2020 15:30:00 | 63 | 25000.0 | 8675.0 | 7130.0 | -1545.0 | 6.18 | 0.00 | 4.938 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 15:45:00 | 64 | 25000.0 | 8492.5 | 5020.0 | -3472.5 | 13.89 | 0.00 | 4.719 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 16:00:00 | 65 | 25000.0 | 6920.0 | 2520.0 | -4400.0 | 17.6 | 325.00 | 0.555 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 16:15:00 | 66 | 25000.0 | 5590.0 | 2690.0 | -2900.0 | 11.6 | 0.00 | -4.081 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 16:30:00 | 67 | 25000.0 | 5105.0 | 3180.0 | -1925.0 | 7.7 | 0.00 | -3.754 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 16:45:00 | 68 | 25000.0 | 4097.5 | 3260.0 | -837.5 | 3.35 | 0.00 | -8.000 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 17:00:00 | 69 | 25000.0 | 3165.0 | 2400.0 | -765.0 | 3.06 | 0.00 | 0.000 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 17:15:00 | 70 | 25000.0 | 2235.0 | 970.0 | -1265.0 | 5.06 | 0.00 | 4.081 | 242.659093 |
| JBM Solar 132kV | 08/01/2020 17:30:00 | 71 | 25000.0 | 1305.0 | 450.0 | -855.0 | 3.42 | 0.00 | -5.387 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 17:45:00 | 72 | 25000.0 | 372.5 | 460.0 | 87.5 | 0.35 | 0.00 | -3.101 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 18:00:00 | 73 | 25000.0 | 210.0 | 270.0 | 60.0 | 0.24 | 0.00 | -2.775 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 18:15:00 | 74 | 25000.0 | 95.0 | -190.0 | -285.0 | 1.14 | 0.00 | -3.101 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 18:30:00 | 75 | 25000.0 | 37.5 | -200.0 | -237.5 | 0.95 | 0.00 | -2.220 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 18:45:00 | 76 | 25000.0 | 30.0 | -90.0 | -120.0 | 0.48 | 0.00 | 2.220 | 94.592970 |
| JBM Solar 132kV | 08/01/2020 19:00:00 | 77 | 25000.0 | 32.5 | -50.0 | -82.5 | 0.33 | 0.00 | 1.110 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 19:15:00 | 78 | 25000.0 | 0.0 | -40.0 | -40.0 | 0.16 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| JBM Solar 132kV | 08/01/2020 19:30:00 | 79 | 25000.0 | 0.0 | -10.0 | -10.0 | 0.04 | 0.00 | -2.220 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 19:45:00 | 80 | 25000.0 | 0.0 | -80.0 | -80.0 | 0.32 | 0.00 | -0.555 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 20:00:00 | 81 | 25000.0 | 0.0 | -140.0 | -140.0 | 0.56 | 0.00 | 2.775 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 20:15:00 | 82 | 25000.0 | 0.0 | -30.0 | -30.0 | 0.12 | 0.00 | 3.101 | 50.162375 |
| JBM Solar 132kV | 08/01/2020 20:30:00 | 83 | 25000.0 | 0.0 | -100.0 | -100.0 | 0.4 | 0.00 | 4.408 | 226.520900 |
| JBM Solar 132kV | 08/01/2020 20:45:00 | 84 | 25000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.101 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 21:00:00 | 85 | 25000.0 | 0.0 | -110.0 | -110.0 | 0.44 | 0.00 | 3.101 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 21:15:00 | 86 | 25000.0 | 0.0 | -70.0 | -70.0 | 0.28 | 0.00 | -0.555 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 21:30:00 | 87 | 25000.0 | 0.0 | -50.0 | -50.0 | 0.2 | 0.00 | -1.110 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 21:45:00 | 88 | 25000.0 | 0.0 | -80.0 | -80.0 | 0.32 | 0.00 | -1.110 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 22:00:00 | 89 | 25000.0 | 0.0 | -160.0 | -160.0 | 0.64 | 0.00 | -2.489 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 22:15:00 | 90 | 25000.0 | 0.0 | -70.0 | -70.0 | 0.28 | 0.00 | -2.775 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 22:30:00 | 91 | 25000.0 | 0.0 | -100.0 | -100.0 | 0.4 | 0.00 | -2.223 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 22:45:00 | 92 | 25000.0 | 0.0 | -40.0 | -40.0 | 0.16 | 0.00 | 1.110 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 23:00:00 | 93 | 25000.0 | 0.0 | -90.0 | -90.0 | 0.36 | 0.00 | 1.110 | 9.608487 |
| JBM Solar 132kV | 08/01/2020 23:15:00 | 94 | 25000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| JBM Solar 132kV | 08/01/2020 23:30:00 | 95 | 25000.0 | 0.0 | -10.0 | -10.0 | 0.04 | 0.00 | 2.775 | 0.090905 |
| JBM Solar 132kV | 08/01/2020 23:45:00 | 96 | 25000.0 | 0.0 | -80.0 | -80.0 | 0.32 | 0.00 | 0.000 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 00:00:00 | 1 | 25000.0 | 0.0 | -70.0 | -70.0 | 0.28 | 0.00 | -0.576 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 00:15:00 | 2 | 25000.0 | 0.0 | -90.0 | -90.0 | 0.36 | 0.00 | -1.727 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 00:30:00 | 3 | 25000.0 | 0.0 | -70.0 | -70.0 | 0.28 | 0.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| JBM Solar 132kV | 09/01/2020 00:45:00 | 4 | 25000.0 | 0.0 | -60.0 | -60.0 | 0.24 | 0.00 | -2.879 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 01:00:00 | 5 | 25000.0 | 0.0 | -20.0 | -20.0 | 0.08 | 0.00 | -3.519 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 01:15:00 | 6 | 25000.0 | 0.0 | -90.0 | -90.0 | 0.36 | 0.00 | -3.519 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 01:30:00 | 7 | 25000.0 | 0.0 | -20.0 | -20.0 | 0.08 | 0.00 | -3.199 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 01:45:00 | 8 | 25000.0 | 0.0 | -80.0 | -80.0 | 0.32 | 0.00 | 3.519 | 19.438998 |
| JBM Solar 132kV | 09/01/2020 02:00:00 | 9 | 25000.0 | 0.0 | -30.0 | -30.0 | 0.12 | 0.00 | 3.519 | 33.027244 |
| JBM Solar 132kV | 09/01/2020 02:15:00 | 10 | 25000.0 | 0.0 | -20.0 | -20.0 | 0.08 | 0.00 | 2.879 | 9.656763 |
| JBM Solar 132kV | 09/01/2020 02:30:00 | 11 | 25000.0 | 0.0 | -70.0 | -70.0 | 0.28 | 0.00 | 3.199 | 48.628131 |
| JBM Solar 132kV | 09/01/2020 02:45:00 | 12 | 25000.0 | 0.0 | -60.0 | -60.0 | 0.24 | 0.00 | 1.152 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 03:00:00 | 13 | 25000.0 | 0.0 | -70.0 | -70.0 | 0.28 | 0.00 | -2.879 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 03:15:00 | 14 | 25000.0 | 0.0 | -50.0 | -50.0 | 0.2 | 0.00 | -3.839 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 03:30:00 | 15 | 25000.0 | 0.0 | -80.0 | -80.0 | 0.32 | 0.00 | 3.199 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 03:45:00 | 16 | 25000.0 | 0.0 | -30.0 | -30.0 | 0.12 | 0.00 | 0.000 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 04:00:00 | 17 | 25000.0 | 0.0 | -60.0 | -60.0 | 0.24 | 0.00 | 1.727 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 04:15:00 | 18 | 25000.0 | 0.0 | -100.0 | -100.0 | 0.4 | 0.00 | 1.727 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 04:30:00 | 19 | 25000.0 | 0.0 | 10.0 | 10.0 | 0.04 | 0.00 | 1.727 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 04:45:00 | 20 | 25000.0 | 0.0 | -130.0 | -130.0 | 0.52 | 0.00 | 2.879 | 112.035315 |
| JBM Solar 132kV | 09/01/2020 05:00:00 | 21 | 25000.0 | 0.0 | 10.0 | 10.0 | 0.04 | 0.00 | 3.839 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 05:15:00 | 22 | 25000.0 | 0.0 | -20.0 | -20.0 | 0.08 | 0.00 | 5.119 | 28.230000 |
| JBM Solar 132kV | 09/01/2020 05:30:00 | 23 | 25000.0 | 55.0 | -80.0 | -135.0 | 0.54 | 0.00 | 4.064 | 347.274454 |
| JBM Solar 132kV | 09/01/2020 05:45:00 | 24 | 25000.0 | 55.0 | 40.0 | -15.0 | 0.06 | 0.00 | 1.152 | 0.105822 |

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|---|---|---|---|---|---|---|---|---|---|---|
| JBM Solar 132kV | 09/01/2020 06:00:00 | 25 | 25000.0 | 55.0 | 20.0 | -35.0 | 0.14 | 0.00 | -2.303 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 06:15:00 | 26 | 25000.0 | 55.0 | -100.0 | -155.0 | 0.62 | 0.00 | 2.303 | 103.098100 |
| JBM Solar 132kV | 09/01/2020 06:30:00 | 27 | 25000.0 | 52.5 | -30.0 | -82.5 | 0.33 | 0.00 | -3.839 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 06:45:00 | 28 | 25000.0 | 57.5 | -160.0 | -217.5 | 0.87 | 0.00 | -2.879 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 07:00:00 | 29 | 25000.0 | 60.0 | 120.0 | 60.0 | 0.24 | 0.00 | -2.879 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 07:15:00 | 30 | 25000.0 | 250.0 | 250.0 | 0.0 | 0.0 | 0.00 | 6.400 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 07:30:00 | 31 | 25000.0 | 847.5 | 850.0 | 2.5 | 0.01 | 0.00 | 1.172 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 07:45:00 | 32 | 25000.0 | 1582.5 | 1110.0 | -472.5 | 1.89 | 0.00 | 0.576 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 08:00:00 | 33 | 25000.0 | 2575.0 | 1730.0 | -845.0 | 3.38 | 0.00 | -0.576 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 08:15:00 | 34 | 25000.0 | 3895.0 | 3190.0 | -705.0 | 2.82 | 0.00 | -1.152 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 08:30:00 | 35 | 25000.0 | 5342.5 | 4320.0 | -1022.5 | 4.09 | 0.00 | 0.576 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 08:45:00 | 36 | 25000.0 | 6520.0 | 5010.0 | -1510.0 | 6.04 | 0.00 | 0.000 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 09:00:00 | 37 | 25000.0 | 8045.0 | 6470.0 | -1575.0 | 6.3 | 0.00 | 1.152 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 09:15:00 | 38 | 25000.0 | 9602.5 | 9770.0 | 167.5 | 0.67 | 0.00 | 1.727 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 09:30:00 | 39 | 25000.0 | 13277.5 | 11810.0 | -1467.5 | 5.87 | 0.00 | -3.839 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 09:45:00 | 40 | 25000.0 | 14890.0 | 12930.0 | -1960.0 | 7.84 | 0.00 | -1.152 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 10:00:00 | 41 | 25000.0 | 16192.5 | 13100.0 | -3092.5 | 12.37 | 0.00 | 0.000 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 10:15:00 | 42 | 25000.0 | 17320.0 | 14820.0 | -2500.0 | 10.0 | 0.00 | 1.727 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 10:30:00 | 43 | 25000.0 | 18287.5 | 15110.0 | -3177.5 | 12.71 | 0.00 | 2.303 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 10:45:00 | 44 | 25000.0 | 19122.5 | 15610.0 | -3512.5 | 14.05 | 0.00 | -1.144 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 11:00:00 | 45 | 25000.0 | 19620.0 | 15980.0 | -3640.0 | 14.56 | 0.00 | -4.479 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| JBM Solar 132kV | 09/01/2020 11:15:00 | 46 | 25000.0 | 20512.5 | 16300.0 | -4212.5 | 16.85 | 231.25 | -3.519 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 11:30:00 | 47 | 25000.0 | 21060.0 | 16980.0 | -4080.0 | 16.32 | 165.00 | -2.303 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 11:45:00 | 48 | 25000.0 | 21605.0 | 16930.0 | -4675.0 | 18.7 | 462.50 | -0.576 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 12:00:00 | 49 | 25000.0 | 21075.0 | 17100.0 | -3975.0 | 15.9 | 112.50 | 0.000 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 12:15:00 | 50 | 25000.0 | 20512.5 | 17230.0 | -3282.5 | 13.13 | 0.00 | 3.839 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 12:30:00 | 51 | 25000.0 | 20465.0 | 17490.0 | -2975.0 | 11.9 | 0.00 | 3.199 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 12:45:00 | 52 | 25000.0 | 21092.5 | 17430.0 | -3662.5 | 14.65 | 0.00 | 3.199 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 13:00:00 | 53 | 25000.0 | 21635.0 | 17820.0 | -3815.0 | 15.26 | 32.50 | -1.152 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 13:15:00 | 54 | 25000.0 | 21180.0 | 17660.0 | -3520.0 | 14.08 | 0.00 | -1.152 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 13:30:00 | 55 | 25000.0 | 20727.5 | 17170.0 | -3557.5 | 14.23 | 0.00 | 1.727 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 13:45:00 | 56 | 25000.0 | 20022.5 | 16350.0 | -3672.5 | 14.69 | 0.00 | 3.199 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 14:00:00 | 57 | 25000.0 | 19312.5 | 16480.0 | -2832.5 | 11.33 | 0.00 | 4.345 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 14:15:00 | 58 | 25000.0 | 18367.5 | 16000.0 | -2367.5 | 9.47 | 0.00 | 3.941 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 14:30:00 | 59 | 25000.0 | 17425.0 | 15660.0 | -1765.0 | 7.06 | 0.00 | 1.152 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 14:45:00 | 60 | 25000.0 | 16270.0 | 15030.0 | -1240.0 | 4.96 | 0.00 | -0.576 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 15:00:00 | 61 | 25000.0 | 15115.0 | 13850.0 | -1265.0 | 5.06 | 0.00 | -1.006 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 15:15:00 | 62 | 25000.0 | 13782.5 | 13020.0 | -762.5 | 3.05 | 0.00 | 3.199 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 15:30:00 | 63 | 25000.0 | 12452.5 | 10850.0 | -1602.5 | 6.41 | 0.00 | 2.879 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 15:45:00 | 64 | 25000.0 | 10985.0 | 9600.0 | -1385.0 | 5.54 | 0.00 | 3.839 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 16:00:00 | 65 | 25000.0 | 9517.5 | 8660.0 | -857.5 | 3.43 | 0.00 | 1.727 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 16:15:00 | 66 | 25000.0 | 7980.0 | 7840.0 | -140.0 | 0.56 | 0.00 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| JBM Solar 132kV | 09/01/2020 16:30:00 | 67 | 25000.0 | 6442.5 | 7090.0 | 647.5 | 2.59 | 0.00 | -4.159 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 16:45:00 | 68 | 25000.0 | 4937.5 | 5750.0 | 812.5 | 3.25 | 0.00 | 3.839 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 17:00:00 | 69 | 25000.0 | 3432.5 | 3910.0 | 477.5 | 1.91 | 0.00 | 1.727 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 17:15:00 | 70 | 25000.0 | 2157.5 | 2350.0 | 192.5 | 0.77 | 0.00 | 3.839 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 17:30:00 | 71 | 25000.0 | 880.0 | 1230.0 | 350.0 | 1.4 | 0.00 | -2.879 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 17:45:00 | 72 | 25000.0 | 442.5 | 390.0 | -52.5 | 0.21 | 0.00 | -4.146 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 18:00:00 | 73 | 25000.0 | 2.5 | 310.0 | 307.5 | 1.23 | 0.00 | -3.349 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 18:15:00 | 74 | 25000.0 | 2.5 | -70.0 | -72.5 | 0.29 | 0.00 | -4.563 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 18:30:00 | 75 | 25000.0 | 0.0 | -270.0 | -270.0 | 1.08 | 0.00 | -3.839 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 18:45:00 | 76 | 25000.0 | 0.0 | -90.0 | -90.0 | 0.36 | 0.00 | -2.879 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 19:00:00 | 77 | 25000.0 | 0.0 | -30.0 | -30.0 | 0.12 | 0.00 | -3.199 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 19:15:00 | 78 | 25000.0 | 0.0 | -40.0 | -40.0 | 0.16 | 0.00 | -1.727 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 19:30:00 | 79 | 25000.0 | 0.0 | -80.0 | -80.0 | 0.32 | 0.00 | -1.442 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 19:45:00 | 80 | 25000.0 | 0.0 | -100.0 | -100.0 | 0.4 | 0.00 | -0.286 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 20:00:00 | 81 | 25000.0 | 0.0 | -140.0 | -140.0 | 0.56 | 0.00 | -1.070 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 20:15:00 | 82 | 25000.0 | 0.0 | -110.0 | -110.0 | 0.44 | 0.00 | -2.236 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 20:30:00 | 83 | 25000.0 | 0.0 | -60.0 | -60.0 | 0.24 | 0.00 | -4.799 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 20:45:00 | 84 | 25000.0 | 0.0 | -40.0 | -40.0 | 0.16 | 0.00 | -1.727 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 21:00:00 | 85 | 25000.0 | 0.0 | -50.0 | -50.0 | 0.2 | 0.00 | -1.727 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 21:15:00 | 86 | 25000.0 | 0.0 | -70.0 | -70.0 | 0.28 | 0.00 | 1.152 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 21:30:00 | 87 | 25000.0 | 0.0 | -70.0 | -70.0 | 0.28 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| JBM Solar 132kV | 09/01/2020 21:45:00 | 88 | 25000.0 | 0.0 | -50.0 | -50.0 | 0.2 | 0.00 | -2.303 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 22:00:00 | 89 | 25000.0 | 0.0 | -130.0 | -130.0 | 0.52 | 0.00 | -2.795 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 22:15:00 | 90 | 25000.0 | 0.0 | -120.0 | -120.0 | 0.48 | 0.00 | -3.674 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 22:30:00 | 91 | 25000.0 | 0.0 | -130.0 | -130.0 | 0.52 | 0.00 | -2.303 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 22:45:00 | 92 | 25000.0 | 0.0 | -50.0 | -50.0 | 0.2 | 0.00 | -1.152 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 23:00:00 | 93 | 25000.0 | 0.0 | 20.0 | 20.0 | 0.08 | 0.00 | 0.000 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 23:15:00 | 94 | 25000.0 | 0.0 | -50.0 | -50.0 | 0.2 | 0.00 | -0.576 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 23:30:00 | 95 | 25000.0 | 0.0 | -20.0 | -20.0 | 0.08 | 0.00 | -0.576 | 0.000000 |
| JBM Solar 132kV | 09/01/2020 23:45:00 | 96 | 25000.0 | 0.0 | -20.0 | -20.0 | 0.08 | 0.00 | -0.987 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 00:00:00 | 1 | 25000.0 | 0.0 | -90.0 | -90.0 | 0.36 | 0.00 | -0.680 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 00:15:00 | 2 | 25000.0 | 0.0 | -110.0 | -110.0 | 0.44 | 0.00 | -3.326 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 00:30:00 | 3 | 25000.0 | 0.0 | -30.0 | -30.0 | 0.12 | 0.00 | -2.992 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 00:45:00 | 4 | 25000.0 | 0.0 | -20.0 | -20.0 | 0.08 | 0.00 | -0.532 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 01:00:00 | 5 | 25000.0 | 0.0 | -60.0 | -60.0 | 0.24 | 0.00 | -0.713 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 01:15:00 | 6 | 25000.0 | 0.0 | -60.0 | -60.0 | 0.24 | 0.00 | -0.548 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 01:30:00 | 7 | 25000.0 | 0.0 | -90.0 | -90.0 | 0.36 | 0.00 | -2.658 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 01:45:00 | 8 | 25000.0 | 0.0 | -60.0 | -60.0 | 0.24 | 0.00 | 2.127 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 02:00:00 | 9 | 25000.0 | 0.0 | -10.0 | -10.0 | 0.04 | 0.00 | 5.342 | 19.593684 |
| JBM Solar 132kV | 10/01/2020 02:15:00 | 10 | 25000.0 | 0.0 | -110.0 | -110.0 | 0.44 | 0.00 | 1.595 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 02:30:00 | 11 | 25000.0 | 0.0 | -50.0 | -50.0 | 0.2 | 0.00 | 3.326 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 02:45:00 | 12 | 25000.0 | 0.0 | -80.0 | -80.0 | 0.32 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| JBM Solar 132kV | 10/01/2020 03:00:00 | 13 | 25000.0 | 0.0 | -30.0 | -30.0 | 0.12 | 0.00 | 2.658 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 03:15:00 | 14 | 25000.0 | 0.0 | -100.0 | -100.0 | 0.4 | 0.00 | 2.127 | 15.856278 |
| JBM Solar 132kV | 10/01/2020 03:30:00 | 15 | 25000.0 | 0.0 | -120.0 | -120.0 | 0.48 | 0.00 | 2.127 | 22.558878 |
| JBM Solar 132kV | 10/01/2020 03:45:00 | 16 | 25000.0 | 0.0 | -40.0 | -40.0 | 0.16 | 0.00 | -1.063 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 04:00:00 | 17 | 25000.0 | 0.0 | -40.0 | -40.0 | 0.16 | 0.00 | 1.595 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 04:15:00 | 18 | 25000.0 | 0.0 | -60.0 | -60.0 | 0.24 | 0.00 | 3.326 | 35.678306 |
| JBM Solar 132kV | 10/01/2020 04:30:00 | 19 | 25000.0 | 0.0 | -60.0 | -60.0 | 0.24 | 0.00 | 3.326 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 04:45:00 | 20 | 25000.0 | 0.0 | -110.0 | -110.0 | 0.44 | 0.00 | 2.127 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 05:00:00 | 21 | 25000.0 | 0.0 | -30.0 | -30.0 | 0.12 | 0.00 | 2.992 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 05:15:00 | 22 | 25000.0 | 0.0 | -10.0 | -10.0 | 0.04 | 0.00 | 1.063 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 05:30:00 | 23 | 25000.0 | 52.5 | -110.0 | -162.5 | 0.65 | 0.00 | -2.658 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 05:45:00 | 24 | 25000.0 | 52.5 | 20.0 | -32.5 | 0.13 | 0.00 | 2.127 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 06:00:00 | 25 | 25000.0 | 52.5 | -20.0 | -72.5 | 0.29 | 0.00 | -2.127 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 06:15:00 | 26 | 25000.0 | 52.5 | -90.0 | -142.5 | 0.57 | 0.00 | 2.658 | 36.150669 |
| JBM Solar 132kV | 10/01/2020 06:30:00 | 27 | 25000.0 | 50.0 | -10.0 | -60.0 | 0.24 | 0.00 | -2.992 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 06:45:00 | 28 | 25000.0 | 55.0 | -150.0 | -205.0 | 0.82 | 0.00 | -3.077 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 07:00:00 | 29 | 25000.0 | 57.5 | 30.0 | -27.5 | 0.11 | 0.00 | -0.687 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 07:15:00 | 30 | 25000.0 | 237.5 | 310.0 | 72.5 | 0.29 | 0.00 | -2.658 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 07:30:00 | 31 | 25000.0 | 892.5 | 930.0 | 37.5 | 0.15 | 0.00 | -1.063 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 07:45:00 | 32 | 25000.0 | 1847.5 | 1380.0 | -467.5 | 1.87 | 0.00 | -2.658 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 08:00:00 | 33 | 25000.0 | 3317.5 | 2680.0 | -637.5 | 2.55 | 0.00 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| JBM Solar 132kV | 10/01/2020 08:15:00 | 34 | 25000.0 | 5380.0 | 3210.0 | -2170.0 | 8.68 | 0.00 | -4.661 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 08:30:00 | 35 | 25000.0 | 7552.5 | 3780.0 | -3772.5 | 15.09 | 11.25 | 5.663 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 08:45:00 | 36 | 25000.0 | 9622.5 | 4790.0 | -4832.5 | 19.33 | 541.25 | 4.328 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 09:00:00 | 37 | 25000.0 | 11532.5 | 5680.0 | -5852.5 | 23.41 | 1051.25 | -4.995 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 09:15:00 | 38 | 25000.0 | 13255.0 | 8820.0 | -4435.0 | 17.74 | 342.50 | -4.327 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 09:30:00 | 39 | 25000.0 | 14895.0 | 10650.0 | -4245.0 | 16.98 | 247.50 | -2.127 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 09:45:00 | 40 | 25000.0 | 16337.5 | 11130.0 | -5207.5 | 20.83 | 728.75 | -1.152 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 10:00:00 | 41 | 25000.0 | 17585.0 | 11230.0 | -6355.0 | 25.42 | 1355.00 | 0.000 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 10:15:00 | 42 | 25000.0 | 18635.0 | 12810.0 | -5825.0 | 23.3 | 1037.50 | -0.532 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 10:30:00 | 43 | 25000.0 | 18505.0 | 13710.0 | -4795.0 | 19.18 | 522.50 | -1.063 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 10:45:00 | 44 | 25000.0 | 19307.5 | 14300.0 | -5007.5 | 20.03 | 628.75 | 0.000 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 11:00:00 | 45 | 25000.0 | 19992.5 | 14540.0 | -5452.5 | 21.81 | 851.25 | 2.658 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 11:15:00 | 46 | 25000.0 | 20545.0 | 14730.0 | -5815.0 | 23.26 | 1032.50 | 0.000 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 11:30:00 | 47 | 25000.0 | 20975.0 | 15420.0 | -5555.0 | 22.22 | 902.50 | -1.595 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 11:45:00 | 48 | 25000.0 | 21265.0 | 16040.0 | -5225.0 | 20.9 | 737.50 | 2.992 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 12:00:00 | 49 | 25000.0 | 21372.5 | 16550.0 | -4822.5 | 19.29 | 536.25 | 0.000 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 12:15:00 | 50 | 25000.0 | 21350.0 | 17220.0 | -4130.0 | 16.52 | 190.00 | 2.127 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 12:30:00 | 51 | 25000.0 | 21347.5 | 17940.0 | -3407.5 | 13.63 | 0.00 | 1.595 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 12:45:00 | 52 | 25000.0 | 21255.0 | 17570.0 | -3685.0 | 14.74 | 0.00 | -1.063 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 13:00:00 | 53 | 25000.0 | 21227.5 | 18040.0 | -3187.5 | 12.75 | 0.00 | 2.658 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 13:15:00 | 54 | 25000.0 | 20927.5 | 17960.0 | -2967.5 | 11.87 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| JBM Solar 132kV | 10/01/2020 13:30:00 | 55 | 25000.0 | 20490.0 | 17860.0 | -2630.0 | 10.52 | 0.00 | 2.127 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 13:45:00 | 56 | 25000.0 | 19950.0 | 17700.0 | -2250.0 | 9.0 | 0.00 | -3.326 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 14:00:00 | 57 | 25000.0 | 19362.5 | 18000.0 | -1362.5 | 5.45 | 0.00 | -2.992 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 14:15:00 | 58 | 25000.0 | 18600.0 | 17600.0 | -1000.0 | 4.0 | 0.00 | 3.660 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 14:30:00 | 59 | 25000.0 | 17815.0 | 16880.0 | -935.0 | 3.74 | 0.00 | -2.127 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 14:45:00 | 60 | 25000.0 | 16782.5 | 16060.0 | -722.5 | 2.89 | 0.00 | -2.127 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 15:00:00 | 61 | 25000.0 | 15722.5 | 15130.0 | -592.5 | 2.37 | 0.00 | 0.000 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 15:15:00 | 62 | 25000.0 | 14615.0 | 13900.0 | -715.0 | 2.86 | 0.00 | -2.992 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 15:30:00 | 63 | 25000.0 | 13280.0 | 12040.0 | -1240.0 | 4.96 | 0.00 | -4.995 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 15:45:00 | 64 | 25000.0 | 11840.0 | 10200.0 | -1640.0 | 6.56 | 0.00 | -4.327 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 16:00:00 | 65 | 25000.0 | 10267.5 | 9330.0 | -937.5 | 3.75 | 0.00 | -4.995 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 16:15:00 | 66 | 25000.0 | 8575.0 | 8250.0 | -325.0 | 1.3 | 0.00 | -8.000 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 16:30:00 | 67 | 25000.0 | 6827.5 | 6800.0 | -27.5 | 0.11 | 0.00 | -8.000 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 16:45:00 | 68 | 25000.0 | 5037.5 | 4990.0 | -47.5 | 0.19 | 0.00 | 4.327 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 17:00:00 | 69 | 25000.0 | 3322.5 | 3310.0 | -12.5 | 0.05 | 0.00 | 0.532 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 17:15:00 | 70 | 25000.0 | 1917.5 | 2010.0 | 92.5 | 0.37 | 0.00 | -1.595 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 17:30:00 | 71 | 25000.0 | 927.5 | 940.0 | 12.5 | 0.05 | 0.00 | -2.658 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 17:45:00 | 72 | 25000.0 | 280.0 | 210.0 | -70.0 | 0.28 | 0.00 | -2.127 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 18:00:00 | 73 | 25000.0 | 75.0 | 160.0 | 85.0 | 0.34 | 0.00 | -1.461 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 18:15:00 | 74 | 25000.0 | 2.5 | -40.0 | -42.5 | 0.17 | 0.00 | 3.326 | 14.935173 |
| JBM Solar 132kV | 10/01/2020 18:30:00 | 75 | 25000.0 | 0.0 | -250.0 | -250.0 | 1.0 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| JBM Solar 132kV | 10/01/2020 18:45:00 | 76 | 25000.0 | 0.0 | -80.0 | -80.0 | 0.32 | 0.00 | 3.994 | 13.353951 |
| JBM Solar 132kV | 10/01/2020 19:00:00 | 77 | 25000.0 | 0.0 | -60.0 | -60.0 | 0.24 | 0.00 | -2.127 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 19:15:00 | 78 | 25000.0 | 0.0 | -70.0 | -70.0 | 0.28 | 0.00 | -2.658 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 19:30:00 | 79 | 25000.0 | 0.0 | -50.0 | -50.0 | 0.2 | 0.00 | -3.660 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 19:45:00 | 80 | 25000.0 | 0.0 | -70.0 | -70.0 | 0.28 | 0.00 | -3.326 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 20:00:00 | 81 | 25000.0 | 0.0 | -100.0 | -100.0 | 0.4 | 0.00 | 3.660 | 24.376875 |
| JBM Solar 132kV | 10/01/2020 20:15:00 | 82 | 25000.0 | 0.0 | -10.0 | -10.0 | 0.04 | 0.00 | 3.660 | 10.468542 |
| JBM Solar 132kV | 10/01/2020 20:30:00 | 83 | 25000.0 | 0.0 | -60.0 | -60.0 | 0.24 | 0.00 | 4.995 | 89.169583 |
| JBM Solar 132kV | 10/01/2020 20:45:00 | 84 | 25000.0 | 0.0 | -30.0 | -30.0 | 0.12 | 0.00 | 2.992 | 31.527943 |
| JBM Solar 132kV | 10/01/2020 21:00:00 | 85 | 25000.0 | 0.0 | -50.0 | -50.0 | 0.2 | 0.00 | -3.660 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 21:15:00 | 86 | 25000.0 | 0.0 | -20.0 | -20.0 | 0.08 | 0.00 | -1.595 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 21:30:00 | 87 | 25000.0 | 0.0 | -60.0 | -60.0 | 0.24 | 0.00 | -1.063 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 21:45:00 | 88 | 25000.0 | 0.0 | -80.0 | -80.0 | 0.32 | 0.00 | -0.532 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 22:00:00 | 89 | 25000.0 | 0.0 | -80.0 | -80.0 | 0.32 | 0.00 | -1.595 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 22:15:00 | 90 | 25000.0 | 0.0 | -130.0 | -130.0 | 0.52 | 0.00 | -2.127 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 22:30:00 | 91 | 25000.0 | 0.0 | -90.0 | -90.0 | 0.36 | 0.00 | 1.063 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 22:45:00 | 92 | 25000.0 | 0.0 | -30.0 | -30.0 | 0.12 | 0.00 | -2.658 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 23:00:00 | 93 | 25000.0 | 0.0 | -70.0 | -70.0 | 0.28 | 0.00 | -2.658 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 23:15:00 | 94 | 25000.0 | 0.0 | -20.0 | -20.0 | 0.08 | 0.00 | 0.000 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 23:30:00 | 95 | 25000.0 | 0.0 | -50.0 | -50.0 | 0.2 | 0.00 | 0.000 | 0.000000 |
| JBM Solar 132kV | 10/01/2020 23:45:00 | 96 | 25000.0 | 0.0 | -60.0 | -60.0 | 0.24 | 0.00 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| JBM Solar 132kV | 11/01/2020 00:00:00 | 1 | 25000.0 | 0.0 | -80.0 | -80.0 | 0.32 | 0.00 | 0.000 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 00:15:00 | 2 | 25000.0 | 0.0 | -70.0 | -70.0 | 0.28 | 0.00 | -2.629 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 00:30:00 | 3 | 25000.0 | 0.0 | -100.0 | -100.0 | 0.4 | 0.00 | -1.577 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 00:45:00 | 4 | 25000.0 | 0.0 | -50.0 | -50.0 | 0.2 | 0.00 | 2.103 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 01:00:00 | 5 | 25000.0 | 0.0 | -60.0 | -60.0 | 0.24 | 0.00 | 2.964 | 28.188768 |
| JBM Solar 132kV | 11/01/2020 01:15:00 | 6 | 25000.0 | 0.0 | -70.0 | -70.0 | 0.28 | 0.00 | 1.052 | 4.616631 |
| JBM Solar 132kV | 11/01/2020 01:30:00 | 7 | 25000.0 | 0.0 | -10.0 | -10.0 | 0.04 | 0.00 | 1.577 | 1.174203 |
| JBM Solar 132kV | 11/01/2020 01:45:00 | 8 | 25000.0 | 0.0 | -60.0 | -60.0 | 0.24 | 0.00 | -0.526 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 02:00:00 | 9 | 25000.0 | 0.0 | -10.0 | -10.0 | 0.04 | 0.00 | -0.403 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 02:15:00 | 10 | 25000.0 | 0.0 | -60.0 | -60.0 | 0.24 | 0.00 | -0.630 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 02:30:00 | 11 | 25000.0 | 0.0 | -60.0 | -60.0 | 0.24 | 0.00 | -0.526 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 02:45:00 | 12 | 25000.0 | 0.0 | -50.0 | -50.0 | 0.2 | 0.00 | -0.526 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 03:00:00 | 13 | 25000.0 | 0.0 | -30.0 | -30.0 | 0.12 | 0.00 | -1.051 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 03:15:00 | 14 | 25000.0 | 0.0 | -100.0 | -100.0 | 0.4 | 0.00 | 0.000 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 03:30:00 | 15 | 25000.0 | 0.0 | -80.0 | -80.0 | 0.32 | 0.00 | 0.000 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 03:45:00 | 16 | 25000.0 | 0.0 | -70.0 | -70.0 | 0.28 | 0.00 | 0.000 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 04:00:00 | 17 | 25000.0 | 0.0 | -50.0 | -50.0 | 0.2 | 0.00 | 0.000 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 04:15:00 | 18 | 25000.0 | 0.0 | -60.0 | -60.0 | 0.24 | 0.00 | -1.051 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 04:30:00 | 19 | 25000.0 | 0.0 | -10.0 | -10.0 | 0.04 | 0.00 | -2.964 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 04:45:00 | 20 | 25000.0 | 0.0 | -70.0 | -70.0 | 0.28 | 0.00 | -3.300 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 05:00:00 | 21 | 25000.0 | 0.0 | -40.0 | -40.0 | 0.16 | 0.00 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| JBM Solar 132kV | 11/01/2020 05:15:00 | 22 | 25000.0 | 0.0 | -90.0 | -90.0 | 0.36 | 0.00 | 5.314 | 112.769438 |
| JBM Solar 132kV | 11/01/2020 05:30:00 | 23 | 25000.0 | 50.0 | 0.0 | -50.0 | 0.2 | 0.00 | 2.964 | 30.272566 |
| JBM Solar 132kV | 11/01/2020 05:45:00 | 24 | 25000.0 | 50.0 | -60.0 | -110.0 | 0.44 | 0.00 | 2.103 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 06:00:00 | 25 | 25000.0 | 50.0 | 40.0 | -10.0 | 0.04 | 0.00 | 3.636 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 06:15:00 | 26 | 25000.0 | 50.0 | -50.0 | -100.0 | 0.4 | 0.00 | 2.964 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 06:30:00 | 27 | 25000.0 | 47.5 | -20.0 | -67.5 | 0.27 | 0.00 | 4.105 | 49.587538 |
| JBM Solar 132kV | 11/01/2020 06:45:00 | 28 | 25000.0 | 52.5 | -80.0 | -132.5 | 0.53 | 0.00 | 5.650 | 20.491430 |
| JBM Solar 132kV | 11/01/2020 07:00:00 | 29 | 25000.0 | 57.5 | 10.0 | -47.5 | 0.19 | 0.00 | 3.300 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 07:15:00 | 30 | 25000.0 | 317.5 | 200.0 | -117.5 | 0.47 | 0.00 | 5.314 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 07:30:00 | 31 | 25000.0 | 1047.5 | 940.0 | -107.5 | 0.43 | 0.00 | 2.964 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 07:45:00 | 32 | 25000.0 | 1895.0 | 1130.0 | -765.0 | 3.06 | 0.00 | 2.103 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 08:00:00 | 33 | 25000.0 | 3295.0 | 2070.0 | -1225.0 | 4.9 | 0.00 | -1.577 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 08:15:00 | 34 | 25000.0 | 5030.0 | 3720.0 | -1310.0 | 5.24 | 0.00 | 3.300 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 08:30:00 | 35 | 25000.0 | 6970.0 | 5020.0 | -1950.0 | 7.8 | 0.00 | 2.116 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 08:45:00 | 36 | 25000.0 | 8505.0 | 5640.0 | -2865.0 | 11.46 | 0.00 | 2.964 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 09:00:00 | 37 | 25000.0 | 10017.5 | 5590.0 | -4427.5 | 17.71 | 338.75 | 6.681 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 09:15:00 | 38 | 25000.0 | 11645.0 | 7720.0 | -3925.0 | 15.7 | 87.50 | 6.657 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 09:30:00 | 39 | 25000.0 | 13145.0 | 9380.0 | -3765.0 | 15.06 | 7.50 | -6.322 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 09:45:00 | 40 | 25000.0 | 14572.5 | 10640.0 | -3932.5 | 15.73 | 91.25 | -2.103 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 10:00:00 | 41 | 25000.0 | 15737.5 | 11220.0 | -4517.5 | 18.07 | 383.75 | 0.526 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 10:15:00 | 42 | 25000.0 | 16702.5 | 12990.0 | -3712.5 | 14.85 | 0.00 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| JBM Solar 132kV | 11/01/2020 10:30:00 | 43 | 25000.0 | 17635.0 | 14100.0 | -3535.0 | 14.14 | 0.00 | 0.000 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 10:45:00 | 44 | 25000.0 | 18580.0 | 14840.0 | -3740.0 | 14.96 | 0.00 | 0.000 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 11:00:00 | 45 | 25000.0 | 19317.5 | 15390.0 | -3927.5 | 15.71 | 88.75 | 0.000 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 11:15:00 | 46 | 25000.0 | 20035.0 | 16010.0 | -4025.0 | 16.1 | 137.50 | -2.964 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 11:30:00 | 47 | 25000.0 | 20627.5 | 15950.0 | -4677.5 | 18.71 | 463.75 | -4.307 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 11:45:00 | 48 | 25000.0 | 21035.0 | 15960.0 | -5075.0 | 20.3 | 662.50 | -3.300 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 12:00:00 | 49 | 25000.0 | 21342.5 | 16230.0 | -5112.5 | 20.45 | 681.25 | -0.526 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 12:15:00 | 50 | 25000.0 | 21755.0 | 16090.0 | -5665.0 | 22.66 | 957.50 | -2.103 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 12:30:00 | 51 | 25000.0 | 21277.5 | 15880.0 | -5397.5 | 21.59 | 823.75 | -2.629 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 12:45:00 | 52 | 25000.0 | 21100.0 | 15480.0 | -5620.0 | 22.48 | 935.00 | -2.629 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 13:00:00 | 53 | 25000.0 | 20827.5 | 15230.0 | -5597.5 | 22.39 | 923.75 | 0.000 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 13:15:00 | 54 | 25000.0 | 20680.0 | 15680.0 | -5000.0 | 20.0 | 625.00 | -2.103 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 13:30:00 | 55 | 25000.0 | 20157.5 | 14930.0 | -5227.5 | 20.91 | 738.75 | 2.629 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 13:45:00 | 56 | 25000.0 | 19642.5 | 14800.0 | -4842.5 | 19.37 | 546.25 | 2.103 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 14:00:00 | 57 | 25000.0 | 19215.0 | 14460.0 | -4755.0 | 19.02 | 502.50 | 1.051 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 14:15:00 | 58 | 25000.0 | 18512.5 | 14200.0 | -4312.5 | 17.25 | 281.25 | 3.300 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 14:30:00 | 59 | 25000.0 | 17810.0 | 13790.0 | -4020.0 | 16.08 | 135.00 | -3.636 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 14:45:00 | 60 | 25000.0 | 16792.5 | 12950.0 | -3842.5 | 15.37 | 46.25 | 4.979 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 15:00:00 | 61 | 25000.0 | 15647.5 | 12380.0 | -3267.5 | 13.07 | 0.00 | -2.964 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 15:15:00 | 62 | 25000.0 | 14567.5 | 12350.0 | -2217.5 | 8.87 | 0.00 | -5.314 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 15:30:00 | 63 | 25000.0 | 13247.5 | 10470.0 | -2777.5 | 11.11 | 0.00 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| JBM Solar 132kV | 11/01/2020 15:45:00 | 64 | 25000.0 | 11590.0 | 9140.0 | -2450.0 | 9.8 | 0.00 | 4.643 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 16:00:00 | 65 | 25000.0 | 9887.5 | 8440.0 | -1447.5 | 5.79 | 0.00 | 2.103 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 16:15:00 | 66 | 25000.0 | 8007.5 | 7760.0 | -247.5 | 0.99 | 0.00 | -2.964 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 16:30:00 | 67 | 25000.0 | 6150.0 | 6740.0 | 590.0 | 2.36 | 0.00 | -2.103 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 16:45:00 | 68 | 25000.0 | 4487.5 | 5030.0 | 542.5 | 2.17 | 0.00 | 3.972 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 17:00:00 | 69 | 25000.0 | 2817.5 | 3450.0 | 632.5 | 2.53 | 0.00 | -1.577 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 17:15:00 | 70 | 25000.0 | 1655.0 | 2140.0 | 485.0 | 1.94 | 0.00 | -1.577 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 17:30:00 | 71 | 25000.0 | 837.5 | 1050.0 | 212.5 | 0.85 | 0.00 | 1.051 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 17:45:00 | 72 | 25000.0 | 257.5 | 310.0 | 52.5 | 0.21 | 0.00 | -2.103 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 18:00:00 | 73 | 25000.0 | 77.5 | 200.0 | 122.5 | 0.49 | 0.00 | -2.964 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 18:15:00 | 74 | 25000.0 | 2.5 | -50.0 | -52.5 | 0.21 | 0.00 | -2.629 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 18:30:00 | 75 | 25000.0 | 0.0 | -270.0 | -270.0 | 1.08 | 0.00 | 2.103 | 9.491173 |
| JBM Solar 132kV | 11/01/2020 18:45:00 | 76 | 25000.0 | 0.0 | -60.0 | -60.0 | 0.24 | 0.00 | 0.526 | 6.175616 |
| JBM Solar 132kV | 11/01/2020 19:00:00 | 77 | 25000.0 | 0.0 | 30.0 | 30.0 | 0.12 | 0.00 | 2.103 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 19:15:00 | 78 | 25000.0 | 0.0 | -50.0 | -50.0 | 0.2 | 0.00 | -1.052 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 19:30:00 | 79 | 25000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 19:45:00 | 80 | 25000.0 | 0.0 | -140.0 | -140.0 | 0.56 | 0.00 | 2.629 | 104.137124 |
| JBM Solar 132kV | 11/01/2020 20:00:00 | 81 | 25000.0 | 0.0 | -110.0 | -110.0 | 0.44 | 0.00 | 2.629 | 17.889383 |
| JBM Solar 132kV | 11/01/2020 20:15:00 | 82 | 25000.0 | 0.0 | -60.0 | -60.0 | 0.24 | 0.00 | 4.307 | 32.176533 |
| JBM Solar 132kV | 11/01/2020 20:30:00 | 83 | 25000.0 | 0.0 | -70.0 | -70.0 | 0.28 | 0.00 | 2.964 | 96.250751 |
| JBM Solar 132kV | 11/01/2020 20:45:00 | 84 | 25000.0 | 0.0 | -80.0 | -80.0 | 0.32 | 0.00 | 2.629 | 94.424197 |

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|---|---|---|---|---|---|---|---|---|---|---|
| JBM Solar 132kV | 11/01/2020 21:00:00 | 85 | 25000.0 | 0.0 | -40.0 | -40.0 | 0.16 | 0.00 | 3.636 | 8.574716 |
| JBM Solar 132kV | 11/01/2020 21:15:00 | 86 | 25000.0 | 0.0 | -50.0 | -50.0 | 0.2 | 0.00 | -1.577 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 21:30:00 | 87 | 25000.0 | 0.0 | -90.0 | -90.0 | 0.36 | 0.00 | -1.577 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 21:45:00 | 88 | 25000.0 | 0.0 | -40.0 | -40.0 | 0.16 | 0.00 | -1.052 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 22:00:00 | 89 | 25000.0 | 0.0 | -100.0 | -100.0 | 0.4 | 0.00 | -5.650 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 22:15:00 | 90 | 25000.0 | 0.0 | -110.0 | -110.0 | 0.44 | 0.00 | -5.650 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 22:30:00 | 91 | 25000.0 | 0.0 | -130.0 | -130.0 | 0.52 | 0.00 | 4.979 | 62.680334 |
| JBM Solar 132kV | 11/01/2020 22:45:00 | 92 | 25000.0 | 0.0 | -70.0 | -70.0 | 0.28 | 0.00 | 2.964 | 43.958775 |
| JBM Solar 132kV | 11/01/2020 23:00:00 | 93 | 25000.0 | 0.0 | -60.0 | -60.0 | 0.24 | 0.00 | 1.577 | 9.382056 |
| JBM Solar 132kV | 11/01/2020 23:15:00 | 94 | 25000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.074 | 0.000000 |
| JBM Solar 132kV | 11/01/2020 23:30:00 | 95 | 25000.0 | 0.0 | -80.0 | -80.0 | 0.32 | 0.00 | 2.113 | 46.119097 |
| JBM Solar 132kV | 11/01/2020 23:45:00 | 96 | 25000.0 | 0.0 | -70.0 | -70.0 | 0.28 | 0.00 | 2.162 | 52.024336 |
| JBM Solar 132kV | 12/01/2020 00:00:00 | 1 | 25000.0 | 0.0 | -70.0 | -70.0 | 0.28 | 0.00 | 3.022 | 43.054738 |
| JBM Solar 132kV | 12/01/2020 00:15:00 | 2 | 25000.0 | 0.0 | -50.0 | -50.0 | 0.2 | 0.00 | -2.152 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 00:30:00 | 3 | 25000.0 | 0.0 | -70.0 | -70.0 | 0.28 | 0.00 | -2.152 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 00:45:00 | 4 | 25000.0 | 0.0 | -40.0 | -40.0 | 0.16 | 0.00 | -3.022 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 01:00:00 | 5 | 25000.0 | 0.0 | -60.0 | -60.0 | 0.24 | 0.00 | -0.629 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 01:15:00 | 6 | 25000.0 | 0.0 | -90.0 | -90.0 | 0.36 | 0.00 | -3.317 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 01:30:00 | 7 | 25000.0 | 0.0 | -60.0 | -60.0 | 0.24 | 0.00 | -3.354 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 01:45:00 | 8 | 25000.0 | 0.0 | -50.0 | -50.0 | 0.2 | 0.00 | -3.022 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 02:00:00 | 9 | 25000.0 | 0.0 | -100.0 | -100.0 | 0.4 | 0.00 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| JBM Solar 132kV | 12/01/2020 02:15:00 | 10 | 25000.0 | 0.0 | -30.0 | -30.0 | 0.12 | 0.00 | -3.022 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 02:30:00 | 11 | 25000.0 | 0.0 | -40.0 | -40.0 | 0.16 | 0.00 | -2.690 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 02:45:00 | 12 | 25000.0 | 0.0 | -20.0 | -20.0 | 0.08 | 0.00 | -3.022 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 03:00:00 | 13 | 25000.0 | 0.0 | -70.0 | -70.0 | 0.28 | 0.00 | 3.354 | 33.144078 |
| JBM Solar 132kV | 12/01/2020 03:15:00 | 14 | 25000.0 | 0.0 | -50.0 | -50.0 | 0.2 | 0.00 | 3.022 | 29.033271 |
| JBM Solar 132kV | 12/01/2020 03:30:00 | 15 | 25000.0 | 0.0 | -60.0 | -60.0 | 0.24 | 0.00 | 3.354 | 12.922175 |
| JBM Solar 132kV | 12/01/2020 03:45:00 | 16 | 25000.0 | 0.0 | -80.0 | -80.0 | 0.32 | 0.00 | 2.152 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 04:00:00 | 17 | 25000.0 | 0.0 | -50.0 | -50.0 | 0.2 | 0.00 | -2.152 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 04:15:00 | 18 | 25000.0 | 0.0 | -90.0 | -90.0 | 0.36 | 0.00 | -3.022 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 04:30:00 | 19 | 25000.0 | 0.0 | 10.0 | 10.0 | 0.04 | 0.00 | 1.076 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 04:45:00 | 20 | 25000.0 | 0.0 | -40.0 | -40.0 | 0.16 | 0.00 | -3.022 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 05:00:00 | 21 | 25000.0 | 0.0 | -30.0 | -30.0 | 0.12 | 0.00 | 3.686 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 05:15:00 | 22 | 25000.0 | 0.0 | -90.0 | -90.0 | 0.36 | 0.00 | 3.686 | 99.294403 |
| JBM Solar 132kV | 12/01/2020 05:30:00 | 23 | 25000.0 | 50.0 | -30.0 | -80.0 | 0.32 | 0.00 | -1.614 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 05:45:00 | 24 | 25000.0 | 50.0 | -10.0 | -60.0 | 0.24 | 0.00 | -0.496 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 06:00:00 | 25 | 25000.0 | 50.0 | -70.0 | -120.0 | 0.48 | 0.00 | 0.000 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 06:15:00 | 26 | 25000.0 | 50.0 | -70.0 | -120.0 | 0.48 | 0.00 | -0.430 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 06:30:00 | 27 | 25000.0 | 47.5 | -20.0 | -67.5 | 0.27 | 0.00 | -2.152 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 06:45:00 | 28 | 25000.0 | 52.5 | -110.0 | -162.5 | 0.65 | 0.00 | 4.681 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 07:00:00 | 29 | 25000.0 | 57.5 | 40.0 | -17.5 | 0.07 | 0.00 | 1.614 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 07:15:00 | 30 | 25000.0 | 317.5 | 170.0 | -147.5 | 0.59 | 0.00 | 3.838 | 122.079305 |

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|---|---|---|---|---|---|---|---|---|---|---|
| JBM Solar 132kV | 12/01/2020 07:30:00 | 31 | 25000.0 | 1047.5 | 840.0 | -207.5 | 0.83 | 0.00 | 3.022 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 07:45:00 | 32 | 25000.0 | 1895.0 | 1670.0 | -225.0 | 0.9 | 0.00 | 2.690 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 08:00:00 | 33 | 25000.0 | 3295.0 | 2940.0 | -355.0 | 1.42 | 0.00 | -2.690 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 08:15:00 | 34 | 25000.0 | 5030.0 | 3970.0 | -1060.0 | 4.24 | 0.00 | -4.018 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 08:30:00 | 35 | 25000.0 | 6970.0 | 4410.0 | -2560.0 | 10.24 | 0.00 | -2.690 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 08:45:00 | 36 | 25000.0 | 8505.0 | 5670.0 | -2835.0 | 11.34 | 0.00 | 3.022 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 09:00:00 | 37 | 25000.0 | 10017.5 | 7250.0 | -2767.5 | 11.07 | 0.00 | -3.354 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 09:15:00 | 38 | 25000.0 | 11645.0 | 9990.0 | -1655.0 | 6.62 | 0.00 | -4.350 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 09:30:00 | 39 | 25000.0 | 13145.0 | 11220.0 | -1925.0 | 7.7 | 0.00 | 2.152 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 09:45:00 | 40 | 25000.0 | 14572.5 | 12290.0 | -2282.5 | 9.13 | 0.00 | -2.690 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 10:00:00 | 41 | 25000.0 | 15737.5 | 12690.0 | -3047.5 | 12.19 | 0.00 | -3.354 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 10:15:00 | 42 | 25000.0 | 16702.5 | 14240.0 | -2462.5 | 9.85 | 0.00 | -3.686 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 10:30:00 | 43 | 25000.0 | 17635.0 | 14750.0 | -2885.0 | 11.54 | 0.00 | -1.614 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 10:45:00 | 44 | 25000.0 | 18580.0 | 14710.0 | -3870.0 | 15.48 | 60.00 | 3.686 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 11:00:00 | 45 | 25000.0 | 19317.5 | 15280.0 | -4037.5 | 16.15 | 143.75 | -3.354 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 11:15:00 | 46 | 25000.0 | 20035.0 | 15500.0 | -4535.0 | 18.14 | 392.50 | -5.450 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 11:30:00 | 47 | 25000.0 | 20627.5 | 15600.0 | -5027.5 | 20.11 | 638.75 | -6.009 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 11:45:00 | 48 | 25000.0 | 21035.0 | 16070.0 | -4965.0 | 19.86 | 607.50 | 2.690 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 12:00:00 | 49 | 25000.0 | 21342.5 | 16420.0 | -4922.5 | 19.69 | 586.25 | 3.686 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 12:15:00 | 50 | 25000.0 | 21755.0 | 16780.0 | -4975.0 | 19.9 | 612.50 | -5.345 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 12:30:00 | 51 | 25000.0 | 21277.5 | 16490.0 | -4787.5 | 19.15 | 518.75 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| JBM Solar 132kV | 12/01/2020 12:45:00 | 52 | 25000.0 | 21100.0 | 16370.0 | -4730.0 | 18.92 | 490.00 | -5.345 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 13:00:00 | 53 | 25000.0 | 20827.5 | 16620.0 | -4207.5 | 16.83 | 228.75 | -3.999 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 13:15:00 | 54 | 25000.0 | 20680.0 | 16280.0 | -4400.0 | 17.6 | 325.00 | -4.350 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 13:30:00 | 55 | 25000.0 | 20157.5 | 15690.0 | -4467.5 | 17.87 | 358.75 | -1.076 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 13:45:00 | 56 | 25000.0 | 19642.5 | 15410.0 | -4232.5 | 16.93 | 241.25 | -2.690 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 14:00:00 | 57 | 25000.0 | 19215.0 | 15670.0 | -3545.0 | 14.18 | 0.00 | -0.538 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 14:15:00 | 58 | 25000.0 | 18512.5 | 15000.0 | -3512.5 | 14.05 | 0.00 | -2.152 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 14:30:00 | 59 | 25000.0 | 17810.0 | 14770.0 | -3040.0 | 12.16 | 0.00 | -2.690 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 14:45:00 | 60 | 25000.0 | 16792.5 | 13540.0 | -3252.5 | 13.01 | 0.00 | -1.076 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 15:00:00 | 61 | 25000.0 | 15647.5 | 12850.0 | -2797.5 | 11.19 | 0.00 | 0.000 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 15:15:00 | 62 | 25000.0 | 14567.5 | 12090.0 | -2477.5 | 9.91 | 0.00 | -2.690 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 15:30:00 | 63 | 25000.0 | 13247.5 | 10390.0 | -2857.5 | 11.43 | 0.00 | -3.022 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 15:45:00 | 64 | 25000.0 | 11590.0 | 8810.0 | -2780.0 | 11.12 | 0.00 | -3.686 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 16:00:00 | 65 | 25000.0 | 9887.5 | 8610.0 | -1277.5 | 5.11 | 0.00 | -3.737 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 16:15:00 | 66 | 25000.0 | 8007.5 | 8050.0 | 42.5 | 0.17 | 0.00 | -5.786 | -56.095538 |
| JBM Solar 132kV | 12/01/2020 16:30:00 | 67 | 25000.0 | 6150.0 | 6880.0 | 730.0 | 2.92 | 0.00 | -4.350 | -415.004985 |
| JBM Solar 132kV | 12/01/2020 16:45:00 | 68 | 25000.0 | 4487.5 | 5100.0 | 612.5 | 2.45 | 0.00 | -1.614 | -78.697210 |
| JBM Solar 132kV | 12/01/2020 17:00:00 | 69 | 25000.0 | 2817.5 | 3560.0 | 742.5 | 2.97 | 0.00 | 0.000 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 17:15:00 | 70 | 25000.0 | 1655.0 | 2000.0 | 345.0 | 1.38 | 0.00 | 2.690 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 17:30:00 | 71 | 25000.0 | 837.5 | 1030.0 | 192.5 | 0.77 | 0.00 | -3.022 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 17:45:00 | 72 | 25000.0 | 257.5 | 470.0 | 212.5 | 0.85 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| JBM Solar 132kV | 12/01/2020 18:00:00 | 73 | 25000.0 | 77.5 | 160.0 | 82.5 | 0.33 | 0.00 | -0.538 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 18:15:00 | 74 | 25000.0 | 2.5 | -120.0 | -122.5 | 0.49 | 0.00 | -4.350 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 18:30:00 | 75 | 25000.0 | 0.0 | -160.0 | -160.0 | 0.64 | 0.00 | 2.690 | 27.514415 |
| JBM Solar 132kV | 12/01/2020 18:45:00 | 76 | 25000.0 | 0.0 | -60.0 | -60.0 | 0.24 | 0.00 | 3.022 | 66.471970 |
| JBM Solar 132kV | 12/01/2020 19:00:00 | 77 | 25000.0 | 0.0 | -20.0 | -20.0 | 0.08 | 0.00 | 3.686 | 7.117133 |
| JBM Solar 132kV | 12/01/2020 19:15:00 | 78 | 25000.0 | 0.0 | -70.0 | -70.0 | 0.28 | 0.00 | 2.690 | 1.478613 |
| JBM Solar 132kV | 12/01/2020 19:30:00 | 79 | 25000.0 | 0.0 | -20.0 | -20.0 | 0.08 | 0.00 | -3.022 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 19:45:00 | 80 | 25000.0 | 0.0 | -130.0 | -130.0 | 0.52 | 0.00 | -1.781 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 20:00:00 | 81 | 25000.0 | 0.0 | -70.0 | -70.0 | 0.28 | 0.00 | -3.021 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 20:15:00 | 82 | 25000.0 | 0.0 | -70.0 | -70.0 | 0.28 | 0.00 | -4.018 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 20:30:00 | 83 | 25000.0 | 0.0 | -130.0 | -130.0 | 0.52 | 0.00 | -3.354 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 20:45:00 | 84 | 25000.0 | 0.0 | -10.0 | -10.0 | 0.04 | 0.00 | -1.614 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 21:00:00 | 85 | 25000.0 | 0.0 | -80.0 | -80.0 | 0.32 | 0.00 | -4.350 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 21:15:00 | 86 | 25000.0 | 0.0 | -140.0 | -140.0 | 0.56 | 0.00 | -3.686 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 21:30:00 | 87 | 25000.0 | 0.0 | -70.0 | -70.0 | 0.28 | 0.00 | -1.614 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 21:45:00 | 88 | 25000.0 | 0.0 | -40.0 | -40.0 | 0.16 | 0.00 | 0.000 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 22:00:00 | 89 | 25000.0 | 0.0 | -140.0 | -140.0 | 0.56 | 0.00 | -3.354 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 22:15:00 | 90 | 25000.0 | 0.0 | -110.0 | -110.0 | 0.44 | 0.00 | 4.350 | 134.304588 |
| JBM Solar 132kV | 12/01/2020 22:30:00 | 91 | 25000.0 | 0.0 | -110.0 | -110.0 | 0.44 | 0.00 | 5.215 | 253.290027 |
| JBM Solar 132kV | 12/01/2020 22:45:00 | 92 | 25000.0 | 0.0 | -40.0 | -40.0 | 0.16 | 0.00 | 3.022 | 9.016370 |
| JBM Solar 132kV | 12/01/2020 23:00:00 | 93 | 25000.0 | 0.0 | -120.0 | -120.0 | 0.48 | 0.00 | 3.022 | 59.246743 |

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|---|---|---|---|---|---|---|---|---|---|---|
| JBM Solar 132kV | 12/01/2020 23:15:00 | 94 | 25000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| JBM Solar 132kV | 12/01/2020 23:30:00 | 95 | 25000.0 | 0.0 | -50.0 | -50.0 | 0.2 | 0.00 | 2.152 | 14.144938 |
| JBM Solar 132kV | 12/01/2020 23:45:00 | 96 | 25000.0 | 0.0 | -40.0 | -40.0 | 0.16 | 0.00 | 2.152 | 13.001927 |
| Jaitane 33kV | 06/01/2020 00:00:00 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.903 | 0.000000 |
| Jaitane 33kV | 06/01/2020 00:15:00 | 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Jaitane 33kV | 06/01/2020 00:30:00 | 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Jaitane 33kV | 06/01/2020 00:45:00 | 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.984 | 0.000000 |
| Jaitane 33kV | 06/01/2020 01:00:00 | 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.541 | 0.000000 |
| Jaitane 33kV | 06/01/2020 01:15:00 | 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |
| Jaitane 33kV | 06/01/2020 01:30:00 | 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.541 | 0.000000 |
| Jaitane 33kV | 06/01/2020 01:45:00 | 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.352 | 0.000000 |
| Jaitane 33kV | 06/01/2020 02:00:00 | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.747 | 0.000000 |
| Jaitane 33kV | 06/01/2020 02:15:00 | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.581 | 0.000000 |
| Jaitane 33kV | 06/01/2020 02:30:00 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.323 | 0.000000 |
| Jaitane 33kV | 06/01/2020 02:45:00 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Jaitane 33kV | 06/01/2020 03:00:00 | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Jaitane 33kV | 06/01/2020 03:15:00 | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.742 | 0.000000 |
| Jaitane 33kV | 06/01/2020 03:30:00 | 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |
| Jaitane 33kV | 06/01/2020 03:45:00 | 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.541 | 0.000000 |
| Jaitane 33kV | 06/01/2020 04:00:00 | 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.496 | 0.000000 |
| Jaitane 33kV | 06/01/2020 04:15:00 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jaitane 33kV | 06/01/2020 04:30:00 | 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.859 | 0.000000 |
| Jaitane 33kV | 06/01/2020 04:45:00 | 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.815 | 0.000000 |
| Jaitane 33kV | 06/01/2020 05:00:00 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.859 | 0.000000 |
| Jaitane 33kV | 06/01/2020 05:15:00 | 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.407 | 0.000000 |
| Jaitane 33kV | 06/01/2020 05:30:00 | 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.496 | 0.000000 |
| Jaitane 33kV | 06/01/2020 05:45:00 | 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.492 | 0.000000 |
| Jaitane 33kV | 06/01/2020 06:00:00 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.452 | 0.000000 |
| Jaitane 33kV | 06/01/2020 06:15:00 | 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -6.089 | 0.000000 |
| Jaitane 33kV | 06/01/2020 06:30:00 | 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -7.044 | 0.000000 |
| Jaitane 33kV | 06/01/2020 06:45:00 | 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.682 | 0.000000 |
| Jaitane 33kV | 06/01/2020 07:00:00 | 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.859 | 0.000000 |
| Jaitane 33kV | 06/01/2020 07:15:00 | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.815 | 0.000000 |
| Jaitane 33kV | 06/01/2020 07:30:00 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.178 | 0.000000 |
| Jaitane 33kV | 06/01/2020 07:45:00 | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.540 | 0.000000 |
| Jaitane 33kV | 06/01/2020 08:00:00 | 33 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.859 | 0.000000 |
| Jaitane 33kV | 06/01/2020 08:15:00 | 34 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.452 | 0.000000 |
| Jaitane 33kV | 06/01/2020 08:30:00 | 35 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.178 | 0.000000 |
| Jaitane 33kV | 06/01/2020 08:45:00 | 36 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.859 | 0.000000 |
| Jaitane 33kV | 06/01/2020 09:00:00 | 37 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -6.407 | 0.000000 |
| Jaitane 33kV | 06/01/2020 09:15:00 | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -8.000 | 0.000000 |
| Jaitane 33kV | 06/01/2020 09:30:00 | 39 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.770 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jaitane 33kV | 06/01/2020 09:45:00 | 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |
| Jaitane 33kV | 06/01/2020 10:00:00 | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.903 | 0.000000 |
| Jaitane 33kV | 06/01/2020 10:15:00 | 42 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.222 | 0.000000 |
| Jaitane 33kV | 06/01/2020 10:30:00 | 43 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.815 | 0.000000 |
| Jaitane 33kV | 06/01/2020 10:45:00 | 44 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.496 | 0.000000 |
| Jaitane 33kV | 06/01/2020 11:00:00 | 45 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 16.000 | 0.000000 |
| Jaitane 33kV | 06/01/2020 11:15:00 | 46 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.133 | 0.000000 |
| Jaitane 33kV | 06/01/2020 11:30:00 | 47 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.182 | 0.000000 |
| Jaitane 33kV | 06/01/2020 11:45:00 | 48 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.308 | 0.000000 |
| Jaitane 33kV | 06/01/2020 12:00:00 | 49 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.598 | 0.000000 |
| Jaitane 33kV | 06/01/2020 12:15:00 | 50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.431 | 0.000000 |
| Jaitane 33kV | 06/01/2020 12:30:00 | 51 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.540 | 0.000000 |
| Jaitane 33kV | 06/01/2020 12:45:00 | 52 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.903 | 0.000000 |
| Jaitane 33kV | 06/01/2020 13:00:00 | 53 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.161 | 0.000000 |
| Jaitane 33kV | 06/01/2020 13:15:00 | 54 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.859 | 0.000000 |
| Jaitane 33kV | 06/01/2020 13:30:00 | 55 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -6.407 | 0.000000 |
| Jaitane 33kV | 06/01/2020 13:45:00 | 56 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.452 | 0.000000 |
| Jaitane 33kV | 06/01/2020 14:00:00 | 57 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.452 | 0.000000 |
| Jaitane 33kV | 06/01/2020 14:15:00 | 58 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 16.000 | 0.000000 |
| Jaitane 33kV | 06/01/2020 14:30:00 | 59 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.035 | 0.000000 |
| Jaitane 33kV | 06/01/2020 14:45:00 | 60 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jaitane 33kV | 06/01/2020 15:00:00 | 61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.367 | 0.000000 |
| Jaitane 33kV | 06/01/2020 15:15:00 | 62 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.904 | 0.000000 |
| Jaitane 33kV | 06/01/2020 15:30:00 | 63 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.482 | 0.000000 |
| Jaitane 33kV | 06/01/2020 15:45:00 | 64 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.225 | 0.000000 |
| Jaitane 33kV | 06/01/2020 16:00:00 | 65 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.895 | 0.000000 |
| Jaitane 33kV | 06/01/2020 16:15:00 | 66 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.089 | 0.000000 |
| Jaitane 33kV | 06/01/2020 16:30:00 | 67 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -8.000 | 0.000000 |
| Jaitane 33kV | 06/01/2020 16:45:00 | 68 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.178 | 0.000000 |
| Jaitane 33kV | 06/01/2020 17:00:00 | 69 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.742 | 0.000000 |
| Jaitane 33kV | 06/01/2020 17:15:00 | 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.903 | 0.000000 |
| Jaitane 33kV | 06/01/2020 17:30:00 | 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.178 | 0.000000 |
| Jaitane 33kV | 06/01/2020 17:45:00 | 72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.323 | 0.000000 |
| Jaitane 33kV | 06/01/2020 18:00:00 | 73 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.903 | 0.000000 |
| Jaitane 33kV | 06/01/2020 18:15:00 | 74 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.161 | 0.000000 |
| Jaitane 33kV | 06/01/2020 18:30:00 | 75 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.903 | 0.000000 |
| Jaitane 33kV | 06/01/2020 18:45:00 | 76 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.903 | 0.000000 |
| Jaitane 33kV | 06/01/2020 19:00:00 | 77 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.161 | 0.000000 |
| Jaitane 33kV | 06/01/2020 19:15:00 | 78 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.178 | 0.000000 |
| Jaitane 33kV | 06/01/2020 19:30:00 | 79 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.323 | 0.000000 |
| Jaitane 33kV | 06/01/2020 19:45:00 | 80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.178 | 0.000000 |
| Jaitane 33kV | 06/01/2020 20:00:00 | 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jaitane 33kV | 06/01/2020 20:15:00 | 82 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.770 | 0.000000 |
| Jaitane 33kV | 06/01/2020 20:30:00 | 83 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.770 | 0.000000 |
| Jaitane 33kV | 06/01/2020 20:45:00 | 84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.178 | 0.000000 |
| Jaitane 33kV | 06/01/2020 21:00:00 | 85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |
| Jaitane 33kV | 06/01/2020 21:15:00 | 86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.742 | 0.000000 |
| Jaitane 33kV | 06/01/2020 21:30:00 | 87 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Jaitane 33kV | 06/01/2020 21:45:00 | 88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.161 | 0.000000 |
| Jaitane 33kV | 06/01/2020 22:00:00 | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.815 | 0.000000 |
| Jaitane 33kV | 06/01/2020 22:15:00 | 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.859 | 0.000000 |
| Jaitane 33kV | 06/01/2020 22:30:00 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.742 | 0.000000 |
| Jaitane 33kV | 06/01/2020 22:45:00 | 92 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.323 | 0.000000 |
| Jaitane 33kV | 06/01/2020 23:00:00 | 93 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.903 | 0.000000 |
| Jaitane 33kV | 06/01/2020 23:15:00 | 94 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Jaitane 33kV | 06/01/2020 23:30:00 | 95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.222 | 0.000000 |
| Jaitane 33kV | 06/01/2020 23:45:00 | 96 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Jaitane 33kV | 07/01/2020 00:00:00 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.549 | 0.000000 |
| Jaitane 33kV | 07/01/2020 00:15:00 | 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.647 | 0.000000 |
| Jaitane 33kV | 07/01/2020 00:30:00 | 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.073 | 0.000000 |
| Jaitane 33kV | 07/01/2020 00:45:00 | 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.744 | 0.000000 |
| Jaitane 33kV | 07/01/2020 01:00:00 | 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |
| Jaitane 33kV | 07/01/2020 01:15:00 | 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jaitane 33kV | 07/01/2020 01:30:00 | 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Jaitane 33kV | 07/01/2020 01:45:00 | 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Jaitane 33kV | 07/01/2020 02:00:00 | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.073 | 0.000000 |
| Jaitane 33kV | 07/01/2020 02:15:00 | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.073 | 0.000000 |
| Jaitane 33kV | 07/01/2020 02:30:00 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.401 | 0.000000 |
| Jaitane 33kV | 07/01/2020 02:45:00 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.745 | 0.000000 |
| Jaitane 33kV | 07/01/2020 03:00:00 | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Jaitane 33kV | 07/01/2020 03:15:00 | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.196 | 0.000000 |
| Jaitane 33kV | 07/01/2020 03:30:00 | 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Jaitane 33kV | 07/01/2020 03:45:00 | 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.098 | 0.000000 |
| Jaitane 33kV | 07/01/2020 04:00:00 | 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Jaitane 33kV | 07/01/2020 04:15:00 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.210 | 0.000000 |
| Jaitane 33kV | 07/01/2020 04:30:00 | 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Jaitane 33kV | 07/01/2020 04:45:00 | 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.098 | 0.000000 |
| Jaitane 33kV | 07/01/2020 05:00:00 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.744 | 0.000000 |
| Jaitane 33kV | 07/01/2020 05:15:00 | 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Jaitane 33kV | 07/01/2020 05:30:00 | 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.073 | 0.000000 |
| Jaitane 33kV | 07/01/2020 05:45:00 | 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Jaitane 33kV | 07/01/2020 06:00:00 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.372 | 0.000000 |
| Jaitane 33kV | 07/01/2020 06:15:00 | 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.556 | 0.000000 |
| Jaitane 33kV | 07/01/2020 06:30:00 | 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.148 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jaitane 33kV | 07/01/2020 06:45:00 | 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.821 | 0.000000 |
| Jaitane 33kV | 07/01/2020 07:00:00 | 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.372 | 0.000000 |
| Jaitane 33kV | 07/01/2020 07:15:00 | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 16.000 | 0.000000 |
| Jaitane 33kV | 07/01/2020 07:30:00 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 9.296 | 0.000000 |
| Jaitane 33kV | 07/01/2020 07:45:00 | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 9.794 | 0.000000 |
| Jaitane 33kV | 07/01/2020 08:00:00 | 33 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.593 | 0.000000 |
| Jaitane 33kV | 07/01/2020 08:15:00 | 34 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.401 | 0.000000 |
| Jaitane 33kV | 07/01/2020 08:30:00 | 35 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.245 | 0.000000 |
| Jaitane 33kV | 07/01/2020 08:45:00 | 36 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Jaitane 33kV | 07/01/2020 09:00:00 | 37 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.745 | 0.000000 |
| Jaitane 33kV | 07/01/2020 09:15:00 | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.715 | 0.000000 |
| Jaitane 33kV | 07/01/2020 09:30:00 | 39 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.981 | 0.000000 |
| Jaitane 33kV | 07/01/2020 09:45:00 | 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Jaitane 33kV | 07/01/2020 10:00:00 | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.780 | 0.000000 |
| Jaitane 33kV | 07/01/2020 10:15:00 | 42 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.643 | 0.000000 |
| Jaitane 33kV | 07/01/2020 10:30:00 | 43 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.976 | 0.000000 |
| Jaitane 33kV | 07/01/2020 10:45:00 | 44 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.415 | 0.000000 |
| Jaitane 33kV | 07/01/2020 11:00:00 | 45 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.476 | 0.000000 |
| Jaitane 33kV | 07/01/2020 11:15:00 | 46 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.826 | 0.000000 |
| Jaitane 33kV | 07/01/2020 11:30:00 | 47 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.289 | 0.000000 |
| Jaitane 33kV | 07/01/2020 11:45:00 | 48 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.549 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jaitane 33kV | 07/01/2020 12:00:00 | 49 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.727 | 0.000000 |
| Jaitane 33kV | 07/01/2020 12:15:00 | 50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.777 | 0.000000 |
| Jaitane 33kV | 07/01/2020 12:30:00 | 51 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.798 | 0.000000 |
| Jaitane 33kV | 07/01/2020 12:45:00 | 52 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Jaitane 33kV | 07/01/2020 13:00:00 | 53 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.431 | 0.000000 |
| Jaitane 33kV | 07/01/2020 13:15:00 | 54 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.387 | 0.000000 |
| Jaitane 33kV | 07/01/2020 13:30:00 | 55 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Jaitane 33kV | 07/01/2020 13:45:00 | 56 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.044 | 0.000000 |
| Jaitane 33kV | 07/01/2020 14:00:00 | 57 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.215 | 0.000000 |
| Jaitane 33kV | 07/01/2020 14:15:00 | 58 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 9.552 | 0.000000 |
| Jaitane 33kV | 07/01/2020 14:30:00 | 59 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.358 | 0.000000 |
| Jaitane 33kV | 07/01/2020 14:45:00 | 60 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.744 | 0.000000 |
| Jaitane 33kV | 07/01/2020 15:00:00 | 61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.073 | 0.000000 |
| Jaitane 33kV | 07/01/2020 15:15:00 | 62 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |
| Jaitane 33kV | 07/01/2020 15:30:00 | 63 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.831 | 0.000000 |
| Jaitane 33kV | 07/01/2020 15:45:00 | 64 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.372 | 0.000000 |
| Jaitane 33kV | 07/01/2020 16:00:00 | 65 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.196 | 0.000000 |
| Jaitane 33kV | 07/01/2020 16:15:00 | 66 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Jaitane 33kV | 07/01/2020 16:30:00 | 67 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.738 | 0.000000 |
| Jaitane 33kV | 07/01/2020 16:45:00 | 68 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.343 | 0.000000 |
| Jaitane 33kV | 07/01/2020 17:00:00 | 69 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jaitane 33kV | 07/01/2020 17:15:00 | 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.744 | 0.000000 |
| Jaitane 33kV | 07/01/2020 17:30:00 | 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.401 | 0.000000 |
| Jaitane 33kV | 07/01/2020 17:45:00 | 72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.745 | 0.000000 |
| Jaitane 33kV | 07/01/2020 18:00:00 | 73 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.073 | 0.000000 |
| Jaitane 33kV | 07/01/2020 18:15:00 | 74 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.372 | 0.000000 |
| Jaitane 33kV | 07/01/2020 18:30:00 | 75 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.401 | 0.000000 |
| Jaitane 33kV | 07/01/2020 18:45:00 | 76 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Jaitane 33kV | 07/01/2020 19:00:00 | 77 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.730 | 0.000000 |
| Jaitane 33kV | 07/01/2020 19:15:00 | 78 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.715 | 0.000000 |
| Jaitane 33kV | 07/01/2020 19:30:00 | 79 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |
| Jaitane 33kV | 07/01/2020 19:45:00 | 80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.210 | 0.000000 |
| Jaitane 33kV | 07/01/2020 20:00:00 | 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.348 | 0.000000 |
| Jaitane 33kV | 07/01/2020 20:15:00 | 82 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.387 | 0.000000 |
| Jaitane 33kV | 07/01/2020 20:30:00 | 83 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.816 | 0.000000 |
| Jaitane 33kV | 07/01/2020 20:45:00 | 84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.401 | 0.000000 |
| Jaitane 33kV | 07/01/2020 21:00:00 | 85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |
| Jaitane 33kV | 07/01/2020 21:15:00 | 86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Jaitane 33kV | 07/01/2020 21:30:00 | 87 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.196 | 0.000000 |
| Jaitane 33kV | 07/01/2020 21:45:00 | 88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.196 | 0.000000 |
| Jaitane 33kV | 07/01/2020 22:00:00 | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.257 | 0.000000 |
| Jaitane 33kV | 07/01/2020 22:15:00 | 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jaitane 33kV | 07/01/2020 22:30:00 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.098 | 0.000000 |
| Jaitane 33kV | 07/01/2020 22:45:00 | 92 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.647 | 0.000000 |
| Jaitane 33kV | 07/01/2020 23:00:00 | 93 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Jaitane 33kV | 07/01/2020 23:15:00 | 94 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Jaitane 33kV | 07/01/2020 23:30:00 | 95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.196 | 0.000000 |
| Jaitane 33kV | 07/01/2020 23:45:00 | 96 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.549 | 0.000000 |
| Jaitane 33kV | 08/01/2020 00:00:00 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Jaitane 33kV | 08/01/2020 00:15:00 | 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Jaitane 33kV | 08/01/2020 00:30:00 | 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Jaitane 33kV | 08/01/2020 00:45:00 | 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.424 | 0.000000 |
| Jaitane 33kV | 08/01/2020 01:00:00 | 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.170 | 0.000000 |
| Jaitane 33kV | 08/01/2020 01:15:00 | 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.761 | 0.000000 |
| Jaitane 33kV | 08/01/2020 01:30:00 | 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.665 | 0.000000 |
| Jaitane 33kV | 08/01/2020 01:45:00 | 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.665 | 0.000000 |
| Jaitane 33kV | 08/01/2020 02:00:00 | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Jaitane 33kV | 08/01/2020 02:15:00 | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.347 | 0.000000 |
| Jaitane 33kV | 08/01/2020 02:30:00 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Jaitane 33kV | 08/01/2020 02:45:00 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Jaitane 33kV | 08/01/2020 03:00:00 | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.428 | 0.000000 |
| Jaitane 33kV | 08/01/2020 03:15:00 | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Jaitane 33kV | 08/01/2020 03:30:00 | 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jaitane 33kV | 08/01/2020 03:45:00 | 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Jaitane 33kV | 08/01/2020 04:00:00 | 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Jaitane 33kV | 08/01/2020 04:15:00 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.665 | 0.000000 |
| Jaitane 33kV | 08/01/2020 04:30:00 | 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Jaitane 33kV | 08/01/2020 04:45:00 | 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Jaitane 33kV | 08/01/2020 05:00:00 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Jaitane 33kV | 08/01/2020 05:15:00 | 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Jaitane 33kV | 08/01/2020 05:30:00 | 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.428 | 0.000000 |
| Jaitane 33kV | 08/01/2020 05:45:00 | 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Jaitane 33kV | 08/01/2020 06:00:00 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Jaitane 33kV | 08/01/2020 06:15:00 | 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.220 | 0.000000 |
| Jaitane 33kV | 08/01/2020 06:30:00 | 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.387 | 0.000000 |
| Jaitane 33kV | 08/01/2020 06:45:00 | 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.734 | 0.000000 |
| Jaitane 33kV | 08/01/2020 07:00:00 | 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.407 | 0.000000 |
| Jaitane 33kV | 08/01/2020 07:15:00 | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.061 | 0.000000 |
| Jaitane 33kV | 08/01/2020 07:30:00 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.714 | 0.000000 |
| Jaitane 33kV | 08/01/2020 07:45:00 | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.061 | 0.000000 |
| Jaitane 33kV | 08/01/2020 08:00:00 | 33 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Jaitane 33kV | 08/01/2020 08:15:00 | 34 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Jaitane 33kV | 08/01/2020 08:30:00 | 35 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.387 | 0.000000 |
| Jaitane 33kV | 08/01/2020 08:45:00 | 36 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jaitane 33kV | 08/01/2020 09:00:00 | 37 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.673 | 0.000000 |
| Jaitane 33kV | 08/01/2020 09:15:00 | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.673 | 0.000000 |
| Jaitane 33kV | 08/01/2020 09:30:00 | 39 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.101 | 0.000000 |
| Jaitane 33kV | 08/01/2020 09:45:00 | 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Jaitane 33kV | 08/01/2020 10:00:00 | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Jaitane 33kV | 08/01/2020 10:15:00 | 42 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Jaitane 33kV | 08/01/2020 10:30:00 | 43 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.665 | 0.000000 |
| Jaitane 33kV | 08/01/2020 10:45:00 | 44 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Jaitane 33kV | 08/01/2020 11:00:00 | 45 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.486 | 0.000000 |
| Jaitane 33kV | 08/01/2020 11:15:00 | 46 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.305 | 0.000000 |
| Jaitane 33kV | 08/01/2020 11:30:00 | 47 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.425 | 0.000000 |
| Jaitane 33kV | 08/01/2020 11:45:00 | 48 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Jaitane 33kV | 08/01/2020 12:00:00 | 49 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.083 | 0.000000 |
| Jaitane 33kV | 08/01/2020 12:15:00 | 50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.242 | 0.000000 |
| Jaitane 33kV | 08/01/2020 12:30:00 | 51 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.330 | 0.000000 |
| Jaitane 33kV | 08/01/2020 12:45:00 | 52 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.830 | 0.000000 |
| Jaitane 33kV | 08/01/2020 13:00:00 | 53 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Jaitane 33kV | 08/01/2020 13:15:00 | 54 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Jaitane 33kV | 08/01/2020 13:30:00 | 55 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.012 | 0.000000 |
| Jaitane 33kV | 08/01/2020 13:45:00 | 56 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.087 | 0.000000 |
| Jaitane 33kV | 08/01/2020 14:00:00 | 57 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jaitane 33kV | 08/01/2020 14:15:00 | 58 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.081 | 0.000000 |
| Jaitane 33kV | 08/01/2020 14:30:00 | 59 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.996 | 0.000000 |
| Jaitane 33kV | 08/01/2020 14:45:00 | 60 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Jaitane 33kV | 08/01/2020 15:00:00 | 61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.879 | 0.000000 |
| Jaitane 33kV | 08/01/2020 15:15:00 | 62 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.081 | 0.000000 |
| Jaitane 33kV | 08/01/2020 15:30:00 | 63 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.938 | 0.000000 |
| Jaitane 33kV | 08/01/2020 15:45:00 | 64 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.719 | 0.000000 |
| Jaitane 33kV | 08/01/2020 16:00:00 | 65 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.555 | 0.000000 |
| Jaitane 33kV | 08/01/2020 16:15:00 | 66 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.081 | 0.000000 |
| Jaitane 33kV | 08/01/2020 16:30:00 | 67 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.754 | 0.000000 |
| Jaitane 33kV | 08/01/2020 16:45:00 | 68 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -8.000 | 0.000000 |
| Jaitane 33kV | 08/01/2020 17:00:00 | 69 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Jaitane 33kV | 08/01/2020 17:15:00 | 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.081 | 0.000000 |
| Jaitane 33kV | 08/01/2020 17:30:00 | 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.387 | 0.000000 |
| Jaitane 33kV | 08/01/2020 17:45:00 | 72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Jaitane 33kV | 08/01/2020 18:00:00 | 73 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Jaitane 33kV | 08/01/2020 18:15:00 | 74 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Jaitane 33kV | 08/01/2020 18:30:00 | 75 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Jaitane 33kV | 08/01/2020 18:45:00 | 76 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.220 | 0.000000 |
| Jaitane 33kV | 08/01/2020 19:00:00 | 77 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Jaitane 33kV | 08/01/2020 19:15:00 | 78 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jaitane 33kV | 08/01/2020 19:30:00 | 79 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Jaitane 33kV | 08/01/2020 19:45:00 | 80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.555 | 0.000000 |
| Jaitane 33kV | 08/01/2020 20:00:00 | 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Jaitane 33kV | 08/01/2020 20:15:00 | 82 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.101 | 0.000000 |
| Jaitane 33kV | 08/01/2020 20:30:00 | 83 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.408 | 0.000000 |
| Jaitane 33kV | 08/01/2020 20:45:00 | 84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.101 | 0.000000 |
| Jaitane 33kV | 08/01/2020 21:00:00 | 85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.101 | 0.000000 |
| Jaitane 33kV | 08/01/2020 21:15:00 | 86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.555 | 0.000000 |
| Jaitane 33kV | 08/01/2020 21:30:00 | 87 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Jaitane 33kV | 08/01/2020 21:45:00 | 88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Jaitane 33kV | 08/01/2020 22:00:00 | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.489 | 0.000000 |
| Jaitane 33kV | 08/01/2020 22:15:00 | 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Jaitane 33kV | 08/01/2020 22:30:00 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.223 | 0.000000 |
| Jaitane 33kV | 08/01/2020 22:45:00 | 92 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Jaitane 33kV | 08/01/2020 23:00:00 | 93 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Jaitane 33kV | 08/01/2020 23:15:00 | 94 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Jaitane 33kV | 08/01/2020 23:30:00 | 95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Jaitane 33kV | 08/01/2020 23:45:00 | 96 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Jaitane 33kV | 09/01/2020 00:00:00 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Jaitane 33kV | 09/01/2020 00:15:00 | 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Jaitane 33kV | 09/01/2020 00:30:00 | 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jaitane 33kV | 09/01/2020 00:45:00 | 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Jaitane 33kV | 09/01/2020 01:00:00 | 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.519 | 0.000000 |
| Jaitane 33kV | 09/01/2020 01:15:00 | 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.519 | 0.000000 |
| Jaitane 33kV | 09/01/2020 01:30:00 | 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.199 | 0.000000 |
| Jaitane 33kV | 09/01/2020 01:45:00 | 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.519 | 0.000000 |
| Jaitane 33kV | 09/01/2020 02:00:00 | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.519 | 0.000000 |
| Jaitane 33kV | 09/01/2020 02:15:00 | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.879 | 0.000000 |
| Jaitane 33kV | 09/01/2020 02:30:00 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.199 | 0.000000 |
| Jaitane 33kV | 09/01/2020 02:45:00 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |
| Jaitane 33kV | 09/01/2020 03:00:00 | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Jaitane 33kV | 09/01/2020 03:15:00 | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.839 | 0.000000 |
| Jaitane 33kV | 09/01/2020 03:30:00 | 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.199 | 0.000000 |
| Jaitane 33kV | 09/01/2020 03:45:00 | 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Jaitane 33kV | 09/01/2020 04:00:00 | 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Jaitane 33kV | 09/01/2020 04:15:00 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Jaitane 33kV | 09/01/2020 04:30:00 | 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Jaitane 33kV | 09/01/2020 04:45:00 | 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.879 | 0.000000 |
| Jaitane 33kV | 09/01/2020 05:00:00 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.839 | 0.000000 |
| Jaitane 33kV | 09/01/2020 05:15:00 | 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.119 | 0.000000 |
| Jaitane 33kV | 09/01/2020 05:30:00 | 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.064 | 0.000000 |
| Jaitane 33kV | 09/01/2020 05:45:00 | 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jaitane 33kV | 09/01/2020 06:00:00 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.303 | 0.000000 |
| Jaitane 33kV | 09/01/2020 06:15:00 | 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.303 | 0.000000 |
| Jaitane 33kV | 09/01/2020 06:30:00 | 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.839 | 0.000000 |
| Jaitane 33kV | 09/01/2020 06:45:00 | 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Jaitane 33kV | 09/01/2020 07:00:00 | 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Jaitane 33kV | 09/01/2020 07:15:00 | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.400 | 0.000000 |
| Jaitane 33kV | 09/01/2020 07:30:00 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.172 | 0.000000 |
| Jaitane 33kV | 09/01/2020 07:45:00 | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.576 | 0.000000 |
| Jaitane 33kV | 09/01/2020 08:00:00 | 33 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Jaitane 33kV | 09/01/2020 08:15:00 | 34 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.152 | 0.000000 |
| Jaitane 33kV | 09/01/2020 08:30:00 | 35 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.576 | 0.000000 |
| Jaitane 33kV | 09/01/2020 08:45:00 | 36 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Jaitane 33kV | 09/01/2020 09:00:00 | 37 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |
| Jaitane 33kV | 09/01/2020 09:15:00 | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Jaitane 33kV | 09/01/2020 09:30:00 | 39 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.839 | 0.000000 |
| Jaitane 33kV | 09/01/2020 09:45:00 | 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.152 | 0.000000 |
| Jaitane 33kV | 09/01/2020 10:00:00 | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Jaitane 33kV | 09/01/2020 10:15:00 | 42 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Jaitane 33kV | 09/01/2020 10:30:00 | 43 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.303 | 0.000000 |
| Jaitane 33kV | 09/01/2020 10:45:00 | 44 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.144 | 0.000000 |
| Jaitane 33kV | 09/01/2020 11:00:00 | 45 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.479 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jaitane 33kV | 09/01/2020 11:15:00 | 46 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.519 | 0.000000 |
| Jaitane 33kV | 09/01/2020 11:30:00 | 47 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.303 | 0.000000 |
| Jaitane 33kV | 09/01/2020 11:45:00 | 48 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Jaitane 33kV | 09/01/2020 12:00:00 | 49 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Jaitane 33kV | 09/01/2020 12:15:00 | 50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.839 | 0.000000 |
| Jaitane 33kV | 09/01/2020 12:30:00 | 51 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.199 | 0.000000 |
| Jaitane 33kV | 09/01/2020 12:45:00 | 52 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.199 | 0.000000 |
| Jaitane 33kV | 09/01/2020 13:00:00 | 53 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.152 | 0.000000 |
| Jaitane 33kV | 09/01/2020 13:15:00 | 54 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.152 | 0.000000 |
| Jaitane 33kV | 09/01/2020 13:30:00 | 55 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Jaitane 33kV | 09/01/2020 13:45:00 | 56 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.199 | 0.000000 |
| Jaitane 33kV | 09/01/2020 14:00:00 | 57 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.345 | 0.000000 |
| Jaitane 33kV | 09/01/2020 14:15:00 | 58 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.941 | 0.000000 |
| Jaitane 33kV | 09/01/2020 14:30:00 | 59 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |
| Jaitane 33kV | 09/01/2020 14:45:00 | 60 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Jaitane 33kV | 09/01/2020 15:00:00 | 61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.006 | 0.000000 |
| Jaitane 33kV | 09/01/2020 15:15:00 | 62 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.199 | 0.000000 |
| Jaitane 33kV | 09/01/2020 15:30:00 | 63 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.879 | 0.000000 |
| Jaitane 33kV | 09/01/2020 15:45:00 | 64 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.839 | 0.000000 |
| Jaitane 33kV | 09/01/2020 16:00:00 | 65 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Jaitane 33kV | 09/01/2020 16:15:00 | 66 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jaitane 33kV | 09/01/2020 16:30:00 | 67 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.159 | 0.000000 |
| Jaitane 33kV | 09/01/2020 16:45:00 | 68 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.839 | 0.000000 |
| Jaitane 33kV | 09/01/2020 17:00:00 | 69 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Jaitane 33kV | 09/01/2020 17:15:00 | 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.839 | 0.000000 |
| Jaitane 33kV | 09/01/2020 17:30:00 | 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Jaitane 33kV | 09/01/2020 17:45:00 | 72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.146 | 0.000000 |
| Jaitane 33kV | 09/01/2020 18:00:00 | 73 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.349 | 0.000000 |
| Jaitane 33kV | 09/01/2020 18:15:00 | 74 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.563 | 0.000000 |
| Jaitane 33kV | 09/01/2020 18:30:00 | 75 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.839 | 0.000000 |
| Jaitane 33kV | 09/01/2020 18:45:00 | 76 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Jaitane 33kV | 09/01/2020 19:00:00 | 77 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.199 | 0.000000 |
| Jaitane 33kV | 09/01/2020 19:15:00 | 78 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Jaitane 33kV | 09/01/2020 19:30:00 | 79 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.442 | 0.000000 |
| Jaitane 33kV | 09/01/2020 19:45:00 | 80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.286 | 0.000000 |
| Jaitane 33kV | 09/01/2020 20:00:00 | 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.070 | 0.000000 |
| Jaitane 33kV | 09/01/2020 20:15:00 | 82 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.236 | 0.000000 |
| Jaitane 33kV | 09/01/2020 20:30:00 | 83 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.799 | 0.000000 |
| Jaitane 33kV | 09/01/2020 20:45:00 | 84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Jaitane 33kV | 09/01/2020 21:00:00 | 85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Jaitane 33kV | 09/01/2020 21:15:00 | 86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |
| Jaitane 33kV | 09/01/2020 21:30:00 | 87 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jaitane 33kV | 09/01/2020 21:45:00 | 88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.303 | 0.000000 |
| Jaitane 33kV | 09/01/2020 22:00:00 | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.795 | 0.000000 |
| Jaitane 33kV | 09/01/2020 22:15:00 | 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.674 | 0.000000 |
| Jaitane 33kV | 09/01/2020 22:30:00 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.303 | 0.000000 |
| Jaitane 33kV | 09/01/2020 22:45:00 | 92 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.152 | 0.000000 |
| Jaitane 33kV | 09/01/2020 23:00:00 | 93 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Jaitane 33kV | 09/01/2020 23:15:00 | 94 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Jaitane 33kV | 09/01/2020 23:30:00 | 95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Jaitane 33kV | 09/01/2020 23:45:00 | 96 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.987 | 0.000000 |
| Jaitane 33kV | 10/01/2020 00:00:00 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.680 | 0.000000 |
| Jaitane 33kV | 10/01/2020 00:15:00 | 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.326 | 0.000000 |
| Jaitane 33kV | 10/01/2020 00:30:00 | 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.992 | 0.000000 |
| Jaitane 33kV | 10/01/2020 00:45:00 | 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.532 | 0.000000 |
| Jaitane 33kV | 10/01/2020 01:00:00 | 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.713 | 0.000000 |
| Jaitane 33kV | 10/01/2020 01:15:00 | 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.548 | 0.000000 |
| Jaitane 33kV | 10/01/2020 01:30:00 | 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Jaitane 33kV | 10/01/2020 01:45:00 | 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Jaitane 33kV | 10/01/2020 02:00:00 | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.342 | 0.000000 |
| Jaitane 33kV | 10/01/2020 02:15:00 | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.595 | 0.000000 |
| Jaitane 33kV | 10/01/2020 02:30:00 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.326 | 0.000000 |
| Jaitane 33kV | 10/01/2020 02:45:00 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jaitane 33kV | 10/01/2020 03:00:00 | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.658 | 0.000000 |
| Jaitane 33kV | 10/01/2020 03:15:00 | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Jaitane 33kV | 10/01/2020 03:30:00 | 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Jaitane 33kV | 10/01/2020 03:45:00 | 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.063 | 0.000000 |
| Jaitane 33kV | 10/01/2020 04:00:00 | 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.595 | 0.000000 |
| Jaitane 33kV | 10/01/2020 04:15:00 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.326 | 0.000000 |
| Jaitane 33kV | 10/01/2020 04:30:00 | 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.326 | 0.000000 |
| Jaitane 33kV | 10/01/2020 04:45:00 | 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Jaitane 33kV | 10/01/2020 05:00:00 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.992 | 0.000000 |
| Jaitane 33kV | 10/01/2020 05:15:00 | 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.063 | 0.000000 |
| Jaitane 33kV | 10/01/2020 05:30:00 | 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Jaitane 33kV | 10/01/2020 05:45:00 | 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Jaitane 33kV | 10/01/2020 06:00:00 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.127 | 0.000000 |
| Jaitane 33kV | 10/01/2020 06:15:00 | 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.658 | 0.000000 |
| Jaitane 33kV | 10/01/2020 06:30:00 | 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.992 | 0.000000 |
| Jaitane 33kV | 10/01/2020 06:45:00 | 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.077 | 0.000000 |
| Jaitane 33kV | 10/01/2020 07:00:00 | 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.687 | 0.000000 |
| Jaitane 33kV | 10/01/2020 07:15:00 | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Jaitane 33kV | 10/01/2020 07:30:00 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.063 | 0.000000 |
| Jaitane 33kV | 10/01/2020 07:45:00 | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Jaitane 33kV | 10/01/2020 08:00:00 | 33 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jaitane 33kV | 10/01/2020 08:15:00 | 34 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.661 | 0.000000 |
| Jaitane 33kV | 10/01/2020 08:30:00 | 35 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.663 | 0.000000 |
| Jaitane 33kV | 10/01/2020 08:45:00 | 36 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.328 | 0.000000 |
| Jaitane 33kV | 10/01/2020 09:00:00 | 37 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.995 | 0.000000 |
| Jaitane 33kV | 10/01/2020 09:15:00 | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.327 | 0.000000 |
| Jaitane 33kV | 10/01/2020 09:30:00 | 39 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.127 | 0.000000 |
| Jaitane 33kV | 10/01/2020 09:45:00 | 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.152 | 0.000000 |
| Jaitane 33kV | 10/01/2020 10:00:00 | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Jaitane 33kV | 10/01/2020 10:15:00 | 42 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.532 | 0.000000 |
| Jaitane 33kV | 10/01/2020 10:30:00 | 43 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.063 | 0.000000 |
| Jaitane 33kV | 10/01/2020 10:45:00 | 44 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Jaitane 33kV | 10/01/2020 11:00:00 | 45 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.658 | 0.000000 |
| Jaitane 33kV | 10/01/2020 11:15:00 | 46 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Jaitane 33kV | 10/01/2020 11:30:00 | 47 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.595 | 0.000000 |
| Jaitane 33kV | 10/01/2020 11:45:00 | 48 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.992 | 0.000000 |
| Jaitane 33kV | 10/01/2020 12:00:00 | 49 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Jaitane 33kV | 10/01/2020 12:15:00 | 50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Jaitane 33kV | 10/01/2020 12:30:00 | 51 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.595 | 0.000000 |
| Jaitane 33kV | 10/01/2020 12:45:00 | 52 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.063 | 0.000000 |
| Jaitane 33kV | 10/01/2020 13:00:00 | 53 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.658 | 0.000000 |
| Jaitane 33kV | 10/01/2020 13:15:00 | 54 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jaitane 33kV | 10/01/2020 13:30:00 | 55 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Jaitane 33kV | 10/01/2020 13:45:00 | 56 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.326 | 0.000000 |
| Jaitane 33kV | 10/01/2020 14:00:00 | 57 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.992 | 0.000000 |
| Jaitane 33kV | 10/01/2020 14:15:00 | 58 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.660 | 0.000000 |
| Jaitane 33kV | 10/01/2020 14:30:00 | 59 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.127 | 0.000000 |
| Jaitane 33kV | 10/01/2020 14:45:00 | 60 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.127 | 0.000000 |
| Jaitane 33kV | 10/01/2020 15:00:00 | 61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Jaitane 33kV | 10/01/2020 15:15:00 | 62 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.992 | 0.000000 |
| Jaitane 33kV | 10/01/2020 15:30:00 | 63 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.995 | 0.000000 |
| Jaitane 33kV | 10/01/2020 15:45:00 | 64 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.327 | 0.000000 |
| Jaitane 33kV | 10/01/2020 16:00:00 | 65 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.995 | 0.000000 |
| Jaitane 33kV | 10/01/2020 16:15:00 | 66 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -8.000 | 0.000000 |
| Jaitane 33kV | 10/01/2020 16:30:00 | 67 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -8.000 | 0.000000 |
| Jaitane 33kV | 10/01/2020 16:45:00 | 68 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.327 | 0.000000 |
| Jaitane 33kV | 10/01/2020 17:00:00 | 69 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.532 | 0.000000 |
| Jaitane 33kV | 10/01/2020 17:15:00 | 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.595 | 0.000000 |
| Jaitane 33kV | 10/01/2020 17:30:00 | 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Jaitane 33kV | 10/01/2020 17:45:00 | 72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.127 | 0.000000 |
| Jaitane 33kV | 10/01/2020 18:00:00 | 73 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.461 | 0.000000 |
| Jaitane 33kV | 10/01/2020 18:15:00 | 74 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.326 | 0.000000 |
| Jaitane 33kV | 10/01/2020 18:30:00 | 75 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jaitane 33kV | 10/01/2020 18:45:00 | 76 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.994 | 0.000000 |
| Jaitane 33kV | 10/01/2020 19:00:00 | 77 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.127 | 0.000000 |
| Jaitane 33kV | 10/01/2020 19:15:00 | 78 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Jaitane 33kV | 10/01/2020 19:30:00 | 79 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.660 | 0.000000 |
| Jaitane 33kV | 10/01/2020 19:45:00 | 80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.326 | 0.000000 |
| Jaitane 33kV | 10/01/2020 20:00:00 | 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.660 | 0.000000 |
| Jaitane 33kV | 10/01/2020 20:15:00 | 82 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.660 | 0.000000 |
| Jaitane 33kV | 10/01/2020 20:30:00 | 83 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.995 | 0.000000 |
| Jaitane 33kV | 10/01/2020 20:45:00 | 84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.992 | 0.000000 |
| Jaitane 33kV | 10/01/2020 21:00:00 | 85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.660 | 0.000000 |
| Jaitane 33kV | 10/01/2020 21:15:00 | 86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.595 | 0.000000 |
| Jaitane 33kV | 10/01/2020 21:30:00 | 87 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.063 | 0.000000 |
| Jaitane 33kV | 10/01/2020 21:45:00 | 88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.532 | 0.000000 |
| Jaitane 33kV | 10/01/2020 22:00:00 | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.595 | 0.000000 |
| Jaitane 33kV | 10/01/2020 22:15:00 | 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.127 | 0.000000 |
| Jaitane 33kV | 10/01/2020 22:30:00 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.063 | 0.000000 |
| Jaitane 33kV | 10/01/2020 22:45:00 | 92 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Jaitane 33kV | 10/01/2020 23:00:00 | 93 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Jaitane 33kV | 10/01/2020 23:15:00 | 94 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Jaitane 33kV | 10/01/2020 23:30:00 | 95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Jaitane 33kV | 10/01/2020 23:45:00 | 96 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jaitane 33kV | 11/01/2020 00:00:00 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Jaitane 33kV | 11/01/2020 00:15:00 | 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.629 | 0.000000 |
| Jaitane 33kV | 11/01/2020 00:30:00 | 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.577 | 0.000000 |
| Jaitane 33kV | 11/01/2020 00:45:00 | 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.103 | 0.000000 |
| Jaitane 33kV | 11/01/2020 01:00:00 | 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Jaitane 33kV | 11/01/2020 01:15:00 | 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.052 | 0.000000 |
| Jaitane 33kV | 11/01/2020 01:30:00 | 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.577 | 0.000000 |
| Jaitane 33kV | 11/01/2020 01:45:00 | 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.526 | 0.000000 |
| Jaitane 33kV | 11/01/2020 02:00:00 | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.403 | 0.000000 |
| Jaitane 33kV | 11/01/2020 02:15:00 | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.630 | 0.000000 |
| Jaitane 33kV | 11/01/2020 02:30:00 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.526 | 0.000000 |
| Jaitane 33kV | 11/01/2020 02:45:00 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.526 | 0.000000 |
| Jaitane 33kV | 11/01/2020 03:00:00 | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.051 | 0.000000 |
| Jaitane 33kV | 11/01/2020 03:15:00 | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Jaitane 33kV | 11/01/2020 03:30:00 | 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Jaitane 33kV | 11/01/2020 03:45:00 | 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Jaitane 33kV | 11/01/2020 04:00:00 | 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Jaitane 33kV | 11/01/2020 04:15:00 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.051 | 0.000000 |
| Jaitane 33kV | 11/01/2020 04:30:00 | 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.964 | 0.000000 |
| Jaitane 33kV | 11/01/2020 04:45:00 | 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.300 | 0.000000 |
| Jaitane 33kV | 11/01/2020 05:00:00 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jaitane 33kV | 11/01/2020 05:15:00 | 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.314 | 0.000000 |
| Jaitane 33kV | 11/01/2020 05:30:00 | 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Jaitane 33kV | 11/01/2020 05:45:00 | 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.103 | 0.000000 |
| Jaitane 33kV | 11/01/2020 06:00:00 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.636 | 0.000000 |
| Jaitane 33kV | 11/01/2020 06:15:00 | 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Jaitane 33kV | 11/01/2020 06:30:00 | 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.105 | 0.000000 |
| Jaitane 33kV | 11/01/2020 06:45:00 | 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.650 | 0.000000 |
| Jaitane 33kV | 11/01/2020 07:00:00 | 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.300 | 0.000000 |
| Jaitane 33kV | 11/01/2020 07:15:00 | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.314 | 0.000000 |
| Jaitane 33kV | 11/01/2020 07:30:00 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Jaitane 33kV | 11/01/2020 07:45:00 | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.103 | 0.000000 |
| Jaitane 33kV | 11/01/2020 08:00:00 | 33 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.577 | 0.000000 |
| Jaitane 33kV | 11/01/2020 08:15:00 | 34 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.300 | 0.000000 |
| Jaitane 33kV | 11/01/2020 08:30:00 | 35 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.116 | 0.000000 |
| Jaitane 33kV | 11/01/2020 08:45:00 | 36 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Jaitane 33kV | 11/01/2020 09:00:00 | 37 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.681 | 0.000000 |
| Jaitane 33kV | 11/01/2020 09:15:00 | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.657 | 0.000000 |
| Jaitane 33kV | 11/01/2020 09:30:00 | 39 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -6.322 | 0.000000 |
| Jaitane 33kV | 11/01/2020 09:45:00 | 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.103 | 0.000000 |
| Jaitane 33kV | 11/01/2020 10:00:00 | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.526 | 0.000000 |
| Jaitane 33kV | 11/01/2020 10:15:00 | 42 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jaitane 33kV | 11/01/2020 10:30:00 | 43 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Jaitane 33kV | 11/01/2020 10:45:00 | 44 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Jaitane 33kV | 11/01/2020 11:00:00 | 45 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Jaitane 33kV | 11/01/2020 11:15:00 | 46 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.964 | 0.000000 |
| Jaitane 33kV | 11/01/2020 11:30:00 | 47 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.307 | 0.000000 |
| Jaitane 33kV | 11/01/2020 11:45:00 | 48 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.300 | 0.000000 |
| Jaitane 33kV | 11/01/2020 12:00:00 | 49 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.526 | 0.000000 |
| Jaitane 33kV | 11/01/2020 12:15:00 | 50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.103 | 0.000000 |
| Jaitane 33kV | 11/01/2020 12:30:00 | 51 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.629 | 0.000000 |
| Jaitane 33kV | 11/01/2020 12:45:00 | 52 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.629 | 0.000000 |
| Jaitane 33kV | 11/01/2020 13:00:00 | 53 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Jaitane 33kV | 11/01/2020 13:15:00 | 54 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.103 | 0.000000 |
| Jaitane 33kV | 11/01/2020 13:30:00 | 55 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.629 | 0.000000 |
| Jaitane 33kV | 11/01/2020 13:45:00 | 56 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.103 | 0.000000 |
| Jaitane 33kV | 11/01/2020 14:00:00 | 57 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.051 | 0.000000 |
| Jaitane 33kV | 11/01/2020 14:15:00 | 58 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.300 | 0.000000 |
| Jaitane 33kV | 11/01/2020 14:30:00 | 59 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.636 | 0.000000 |
| Jaitane 33kV | 11/01/2020 14:45:00 | 60 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.979 | 0.000000 |
| Jaitane 33kV | 11/01/2020 15:00:00 | 61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.964 | 0.000000 |
| Jaitane 33kV | 11/01/2020 15:15:00 | 62 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.314 | 0.000000 |
| Jaitane 33kV | 11/01/2020 15:30:00 | 63 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jaitane 33kV | 11/01/2020 15:45:00 | 64 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.643 | 0.000000 |
| Jaitane 33kV | 11/01/2020 16:00:00 | 65 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.103 | 0.000000 |
| Jaitane 33kV | 11/01/2020 16:15:00 | 66 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.964 | 0.000000 |
| Jaitane 33kV | 11/01/2020 16:30:00 | 67 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.103 | 0.000000 |
| Jaitane 33kV | 11/01/2020 16:45:00 | 68 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.972 | 0.000000 |
| Jaitane 33kV | 11/01/2020 17:00:00 | 69 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.577 | 0.000000 |
| Jaitane 33kV | 11/01/2020 17:15:00 | 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.577 | 0.000000 |
| Jaitane 33kV | 11/01/2020 17:30:00 | 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.051 | 0.000000 |
| Jaitane 33kV | 11/01/2020 17:45:00 | 72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.103 | 0.000000 |
| Jaitane 33kV | 11/01/2020 18:00:00 | 73 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.964 | 0.000000 |
| Jaitane 33kV | 11/01/2020 18:15:00 | 74 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.629 | 0.000000 |
| Jaitane 33kV | 11/01/2020 18:30:00 | 75 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.103 | 0.000000 |
| Jaitane 33kV | 11/01/2020 18:45:00 | 76 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.526 | 0.000000 |
| Jaitane 33kV | 11/01/2020 19:00:00 | 77 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.103 | 0.000000 |
| Jaitane 33kV | 11/01/2020 19:15:00 | 78 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.052 | 0.000000 |
| Jaitane 33kV | 11/01/2020 19:30:00 | 79 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Jaitane 33kV | 11/01/2020 19:45:00 | 80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.629 | 0.000000 |
| Jaitane 33kV | 11/01/2020 20:00:00 | 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.629 | 0.000000 |
| Jaitane 33kV | 11/01/2020 20:15:00 | 82 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.307 | 0.000000 |
| Jaitane 33kV | 11/01/2020 20:30:00 | 83 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Jaitane 33kV | 11/01/2020 20:45:00 | 84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.629 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jaitane 33kV | 11/01/2020 21:00:00 | 85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.636 | 0.000000 |
| Jaitane 33kV | 11/01/2020 21:15:00 | 86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.577 | 0.000000 |
| Jaitane 33kV | 11/01/2020 21:30:00 | 87 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.577 | 0.000000 |
| Jaitane 33kV | 11/01/2020 21:45:00 | 88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.052 | 0.000000 |
| Jaitane 33kV | 11/01/2020 22:00:00 | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.650 | 0.000000 |
| Jaitane 33kV | 11/01/2020 22:15:00 | 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.650 | 0.000000 |
| Jaitane 33kV | 11/01/2020 22:30:00 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.979 | 0.000000 |
| Jaitane 33kV | 11/01/2020 22:45:00 | 92 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Jaitane 33kV | 11/01/2020 23:00:00 | 93 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.577 | 0.000000 |
| Jaitane 33kV | 11/01/2020 23:15:00 | 94 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.074 | 0.000000 |
| Jaitane 33kV | 11/01/2020 23:30:00 | 95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.113 | 0.000000 |
| Jaitane 33kV | 11/01/2020 23:45:00 | 96 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.162 | 0.000000 |
| Jaitane 33kV | 12/01/2020 00:00:00 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Jaitane 33kV | 12/01/2020 00:15:00 | 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |
| Jaitane 33kV | 12/01/2020 00:30:00 | 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |
| Jaitane 33kV | 12/01/2020 00:45:00 | 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Jaitane 33kV | 12/01/2020 01:00:00 | 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.629 | 0.000000 |
| Jaitane 33kV | 12/01/2020 01:15:00 | 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.317 | 0.000000 |
| Jaitane 33kV | 12/01/2020 01:30:00 | 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.354 | 0.000000 |
| Jaitane 33kV | 12/01/2020 01:45:00 | 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Jaitane 33kV | 12/01/2020 02:00:00 | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jaitane 33kV | 12/01/2020 02:15:00 | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Jaitane 33kV | 12/01/2020 02:30:00 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.690 | 0.000000 |
| Jaitane 33kV | 12/01/2020 02:45:00 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Jaitane 33kV | 12/01/2020 03:00:00 | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.354 | 0.000000 |
| Jaitane 33kV | 12/01/2020 03:15:00 | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Jaitane 33kV | 12/01/2020 03:30:00 | 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.354 | 0.000000 |
| Jaitane 33kV | 12/01/2020 03:45:00 | 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Jaitane 33kV | 12/01/2020 04:00:00 | 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |
| Jaitane 33kV | 12/01/2020 04:15:00 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Jaitane 33kV | 12/01/2020 04:30:00 | 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.076 | 0.000000 |
| Jaitane 33kV | 12/01/2020 04:45:00 | 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Jaitane 33kV | 12/01/2020 05:00:00 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.686 | 0.000000 |
| Jaitane 33kV | 12/01/2020 05:15:00 | 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.686 | 0.000000 |
| Jaitane 33kV | 12/01/2020 05:30:00 | 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.614 | 0.000000 |
| Jaitane 33kV | 12/01/2020 05:45:00 | 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.496 | 0.000000 |
| Jaitane 33kV | 12/01/2020 06:00:00 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Jaitane 33kV | 12/01/2020 06:15:00 | 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.430 | 0.000000 |
| Jaitane 33kV | 12/01/2020 06:30:00 | 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |
| Jaitane 33kV | 12/01/2020 06:45:00 | 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.681 | 0.000000 |
| Jaitane 33kV | 12/01/2020 07:00:00 | 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.614 | 0.000000 |
| Jaitane 33kV | 12/01/2020 07:15:00 | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.838 | 0.000000 |

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| Jaitane 33kV | 12/01/2020 07:30:00 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Jaitane 33kV | 12/01/2020 07:45:00 | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.690 | 0.000000 |
| Jaitane 33kV | 12/01/2020 08:00:00 | 33 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.690 | 0.000000 |
| Jaitane 33kV | 12/01/2020 08:15:00 | 34 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.018 | 0.000000 |
| Jaitane 33kV | 12/01/2020 08:30:00 | 35 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.690 | 0.000000 |
| Jaitane 33kV | 12/01/2020 08:45:00 | 36 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Jaitane 33kV | 12/01/2020 09:00:00 | 37 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.354 | 0.000000 |
| Jaitane 33kV | 12/01/2020 09:15:00 | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.350 | 0.000000 |
| Jaitane 33kV | 12/01/2020 09:30:00 | 39 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Jaitane 33kV | 12/01/2020 09:45:00 | 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.690 | 0.000000 |
| Jaitane 33kV | 12/01/2020 10:00:00 | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.354 | 0.000000 |
| Jaitane 33kV | 12/01/2020 10:15:00 | 42 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.686 | 0.000000 |
| Jaitane 33kV | 12/01/2020 10:30:00 | 43 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.614 | 0.000000 |
| Jaitane 33kV | 12/01/2020 10:45:00 | 44 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.686 | 0.000000 |
| Jaitane 33kV | 12/01/2020 11:00:00 | 45 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.354 | 0.000000 |
| Jaitane 33kV | 12/01/2020 11:15:00 | 46 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.450 | 0.000000 |
| Jaitane 33kV | 12/01/2020 11:30:00 | 47 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -6.009 | 0.000000 |
| Jaitane 33kV | 12/01/2020 11:45:00 | 48 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.690 | 0.000000 |
| Jaitane 33kV | 12/01/2020 12:00:00 | 49 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.686 | 0.000000 |
| Jaitane 33kV | 12/01/2020 12:15:00 | 50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.345 | 0.000000 |
| Jaitane 33kV | 12/01/2020 12:30:00 | 51 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jaitane 33kV | 12/01/2020 12:45:00 | 52 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.345 | 0.000000 |
| Jaitane 33kV | 12/01/2020 13:00:00 | 53 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.999 | 0.000000 |
| Jaitane 33kV | 12/01/2020 13:15:00 | 54 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.350 | 0.000000 |
| Jaitane 33kV | 12/01/2020 13:30:00 | 55 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.076 | 0.000000 |
| Jaitane 33kV | 12/01/2020 13:45:00 | 56 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.690 | 0.000000 |
| Jaitane 33kV | 12/01/2020 14:00:00 | 57 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.538 | 0.000000 |
| Jaitane 33kV | 12/01/2020 14:15:00 | 58 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |
| Jaitane 33kV | 12/01/2020 14:30:00 | 59 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.690 | 0.000000 |
| Jaitane 33kV | 12/01/2020 14:45:00 | 60 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.076 | 0.000000 |
| Jaitane 33kV | 12/01/2020 15:00:00 | 61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Jaitane 33kV | 12/01/2020 15:15:00 | 62 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.690 | 0.000000 |
| Jaitane 33kV | 12/01/2020 15:30:00 | 63 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Jaitane 33kV | 12/01/2020 15:45:00 | 64 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.686 | 0.000000 |
| Jaitane 33kV | 12/01/2020 16:00:00 | 65 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.737 | 0.000000 |
| Jaitane 33kV | 12/01/2020 16:15:00 | 66 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.786 | 0.000000 |
| Jaitane 33kV | 12/01/2020 16:30:00 | 67 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.350 | 0.000000 |
| Jaitane 33kV | 12/01/2020 16:45:00 | 68 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.614 | 0.000000 |
| Jaitane 33kV | 12/01/2020 17:00:00 | 69 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Jaitane 33kV | 12/01/2020 17:15:00 | 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.690 | 0.000000 |
| Jaitane 33kV | 12/01/2020 17:30:00 | 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Jaitane 33kV | 12/01/2020 17:45:00 | 72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jaitane 33kV | 12/01/2020 18:00:00 | 73 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.538 | 0.000000 |
| Jaitane 33kV | 12/01/2020 18:15:00 | 74 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.350 | 0.000000 |
| Jaitane 33kV | 12/01/2020 18:30:00 | 75 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.690 | 0.000000 |
| Jaitane 33kV | 12/01/2020 18:45:00 | 76 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Jaitane 33kV | 12/01/2020 19:00:00 | 77 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.686 | 0.000000 |
| Jaitane 33kV | 12/01/2020 19:15:00 | 78 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.690 | 0.000000 |
| Jaitane 33kV | 12/01/2020 19:30:00 | 79 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Jaitane 33kV | 12/01/2020 19:45:00 | 80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.781 | 0.000000 |
| Jaitane 33kV | 12/01/2020 20:00:00 | 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.021 | 0.000000 |
| Jaitane 33kV | 12/01/2020 20:15:00 | 82 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.018 | 0.000000 |
| Jaitane 33kV | 12/01/2020 20:30:00 | 83 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.354 | 0.000000 |
| Jaitane 33kV | 12/01/2020 20:45:00 | 84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.614 | 0.000000 |
| Jaitane 33kV | 12/01/2020 21:00:00 | 85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.350 | 0.000000 |
| Jaitane 33kV | 12/01/2020 21:15:00 | 86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.686 | 0.000000 |
| Jaitane 33kV | 12/01/2020 21:30:00 | 87 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.614 | 0.000000 |
| Jaitane 33kV | 12/01/2020 21:45:00 | 88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Jaitane 33kV | 12/01/2020 22:00:00 | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.354 | 0.000000 |
| Jaitane 33kV | 12/01/2020 22:15:00 | 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.350 | 0.000000 |
| Jaitane 33kV | 12/01/2020 22:30:00 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.215 | 0.000000 |
| Jaitane 33kV | 12/01/2020 22:45:00 | 92 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Jaitane 33kV | 12/01/2020 23:00:00 | 93 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jaitane 33kV | 12/01/2020 23:15:00 | 94 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Jaitane 33kV | 12/01/2020 23:30:00 | 95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Jaitane 33kV | 12/01/2020 23:45:00 | 96 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 00:00:00 | 1 | 82087.5 | 8140.0 | 0.0 | -8140.0 | 9.92 | 0.00 | 2.903 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 00:15:00 | 2 | 82087.5 | 7530.0 | 0.0 | -7530.0 | 9.17 | 0.00 | 0.000 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 00:30:00 | 3 | 82087.5 | 8087.5 | 0.0 | -8087.5 | 9.85 | 0.00 | 0.000 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 00:45:00 | 4 | 82087.5 | 7987.5 | 0.0 | -7987.5 | 9.73 | 0.00 | -0.984 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 01:00:00 | 5 | 82087.5 | 8142.5 | 0.0 | -8142.5 | 9.92 | 0.00 | -3.541 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 01:15:00 | 6 | 82087.5 | 8120.0 | 0.0 | -8120.0 | 9.89 | 0.00 | 3.222 | 194.943062 |
| Jamde Wind 220kV | 06/01/2020 01:30:00 | 7 | 82087.5 | 8062.5 | 0.0 | -8062.5 | 9.82 | 0.00 | 3.541 | 2175.926431 |
| Jamde Wind 220kV | 06/01/2020 01:45:00 | 8 | 82087.5 | 7895.0 | 0.0 | -7895.0 | 9.62 | 0.00 | 2.352 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 02:00:00 | 9 | 82087.5 | 7987.5 | 0.0 | -7987.5 | 9.73 | 0.00 | 1.747 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 02:15:00 | 10 | 82087.5 | 8142.5 | 0.0 | -8142.5 | 9.92 | 0.00 | 0.581 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 02:30:00 | 11 | 82087.5 | 8120.0 | 0.0 | -8120.0 | 9.89 | 0.00 | -2.323 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 02:45:00 | 12 | 82087.5 | 8062.5 | 0.0 | -8062.5 | 9.82 | 0.00 | 2.323 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 03:00:00 | 13 | 82087.5 | 7895.0 | 0.0 | -7895.0 | 9.62 | 0.00 | 2.323 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 03:15:00 | 14 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | -1.742 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 03:30:00 | 15 | 82087.5 | 7887.5 | 0.0 | -7887.5 | 9.61 | 0.00 | 3.222 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 03:45:00 | 16 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | 3.541 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 04:00:00 | 17 | 82087.5 | 8017.5 | 0.0 | -8017.5 | 9.77 | 0.00 | 4.496 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 04:15:00 | 18 | 82087.5 | 7962.5 | 0.0 | -7962.5 | 9.7 | 0.00 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jamde Wind 220kV | 06/01/2020 04:30:00 | 19 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | 3.859 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 04:45:00 | 20 | 82087.5 | 8017.5 | 0.0 | -8017.5 | 9.77 | 0.00 | 4.815 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 05:00:00 | 21 | 82087.5 | 7995.0 | 0.0 | -7995.0 | 9.74 | 0.00 | 3.859 | 3506.454423 |
| Jamde Wind 220kV | 06/01/2020 05:15:00 | 22 | 82087.5 | 7937.5 | 0.0 | -7937.5 | 9.67 | 0.00 | 6.407 | 6284.786716 |
| Jamde Wind 220kV | 06/01/2020 05:30:00 | 23 | 82087.5 | 7895.0 | 0.0 | -7895.0 | 9.62 | 0.00 | 6.496 | 9254.273122 |
| Jamde Wind 220kV | 06/01/2020 05:45:00 | 24 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | 7.492 | 4980.508729 |
| Jamde Wind 220kV | 06/01/2020 06:00:00 | 25 | 82087.5 | 7895.0 | 0.0 | -7895.0 | 9.62 | 0.00 | -5.452 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 06:15:00 | 26 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | -6.089 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 06:30:00 | 27 | 82087.5 | 7887.5 | 0.0 | -7887.5 | 9.61 | 0.00 | -7.044 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 06:45:00 | 28 | 82087.5 | 7937.5 | 0.0 | -7937.5 | 9.67 | 0.00 | 7.682 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 07:00:00 | 29 | 82087.5 | 7895.0 | 0.0 | -7895.0 | 9.62 | 0.00 | -3.859 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 07:15:00 | 30 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | 4.815 | 3903.873623 |
| Jamde Wind 220kV | 06/01/2020 07:30:00 | 31 | 82087.5 | 7895.0 | 0.0 | -7895.0 | 9.62 | 0.00 | 4.178 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 07:45:00 | 32 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | -3.540 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 08:00:00 | 33 | 82087.5 | 7887.5 | 0.0 | -7887.5 | 9.61 | 0.00 | -3.859 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 08:15:00 | 34 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | -5.452 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 08:30:00 | 35 | 82087.5 | 8017.5 | 0.0 | -8017.5 | 9.77 | 0.00 | 4.178 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 08:45:00 | 36 | 82087.5 | 8017.5 | 0.0 | -8017.5 | 9.77 | 0.00 | -3.859 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 09:00:00 | 37 | 82087.5 | 7962.5 | 0.0 | -7962.5 | 9.7 | 0.00 | -6.407 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 09:15:00 | 38 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | -8.000 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 09:30:00 | 39 | 82087.5 | 8017.5 | 0.0 | -8017.5 | 9.77 | 0.00 | -5.770 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jamde Wind 220kV | 06/01/2020 09:45:00 | 40 | 82087.5 | 7995.0 | 0.0 | -7995.0 | 9.74 | 0.00 | 3.222 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 10:00:00 | 41 | 82087.5 | 7937.5 | 0.0 | -7937.5 | 9.67 | 0.00 | -2.903 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 10:15:00 | 42 | 82087.5 | 7895.0 | 0.0 | -7895.0 | 9.62 | 0.00 | -3.222 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 10:30:00 | 43 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | 4.815 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 10:45:00 | 44 | 82087.5 | 8017.5 | 0.0 | -8017.5 | 9.77 | 0.00 | 4.496 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 11:00:00 | 45 | 82087.5 | 8087.5 | 0.0 | -8087.5 | 9.85 | 0.00 | 16.000 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 11:15:00 | 46 | 82087.5 | 7987.5 | 0.0 | -7987.5 | 9.73 | 0.00 | 5.133 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 11:30:00 | 47 | 82087.5 | 8142.5 | 0.0 | -8142.5 | 9.92 | 0.00 | 1.182 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 11:45:00 | 48 | 82087.5 | 8120.0 | 0.0 | -8120.0 | 9.89 | 0.00 | 6.308 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 12:00:00 | 49 | 82087.5 | 8062.5 | 0.0 | -8062.5 | 9.82 | 0.00 | 6.598 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 12:15:00 | 50 | 82087.5 | 7895.0 | 0.0 | -7895.0 | 9.62 | 0.00 | 5.431 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 12:30:00 | 51 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | 3.540 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 12:45:00 | 52 | 82087.5 | 7887.5 | 0.0 | -7887.5 | 9.61 | 0.00 | -2.903 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 13:00:00 | 53 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | -1.161 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 13:15:00 | 54 | 82087.5 | 8017.5 | 0.0 | -8017.5 | 9.77 | 0.00 | 3.859 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 13:30:00 | 55 | 82087.5 | 7962.5 | 0.0 | -7962.5 | 9.7 | 0.00 | -6.407 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 13:45:00 | 56 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | 5.452 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 14:00:00 | 57 | 82087.5 | 8017.5 | 0.0 | -8017.5 | 9.77 | 0.00 | 5.452 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 14:15:00 | 58 | 82087.5 | 7995.0 | 0.0 | -7995.0 | 9.74 | 0.00 | 16.000 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 14:30:00 | 59 | 82087.5 | 7937.5 | 0.0 | -7937.5 | 9.67 | 0.00 | 6.035 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 14:45:00 | 60 | 82087.5 | 7895.0 | 0.0 | -7895.0 | 9.62 | 0.00 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jamde Wind 220kV | 06/01/2020 15:00:00 | 61 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | 3.367 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 15:15:00 | 62 | 82087.5 | 7895.0 | 0.0 | -7895.0 | 9.62 | 0.00 | 3.904 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 15:30:00 | 63 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | 4.482 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 15:45:00 | 64 | 82087.5 | 7887.5 | 0.0 | -7887.5 | 9.61 | 0.00 | 4.225 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 16:00:00 | 65 | 82087.5 | 7937.5 | 0.0 | -7937.5 | 9.67 | 0.00 | 2.895 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 16:15:00 | 66 | 82087.5 | 7895.0 | 0.0 | -7895.0 | 9.62 | 0.00 | 6.089 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 16:30:00 | 67 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | -8.000 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 16:45:00 | 68 | 82087.5 | 7895.0 | 0.0 | -7895.0 | 9.62 | 0.00 | -4.178 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 17:00:00 | 69 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | 1.742 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 17:15:00 | 70 | 82087.5 | 7887.5 | 0.0 | -7887.5 | 9.61 | 0.00 | 2.903 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 17:30:00 | 71 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | -4.178 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 17:45:00 | 72 | 82087.5 | 8017.5 | 0.0 | -8017.5 | 9.77 | 0.00 | -2.323 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 18:00:00 | 73 | 82087.5 | 8062.5 | 0.0 | -8062.5 | 9.82 | 0.00 | -2.903 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 18:15:00 | 74 | 82087.5 | 7895.0 | 0.0 | -7895.0 | 9.62 | 0.00 | 1.161 | 2053.169693 |
| Jamde Wind 220kV | 06/01/2020 18:30:00 | 75 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | 2.903 | 6696.755614 |
| Jamde Wind 220kV | 06/01/2020 18:45:00 | 76 | 82087.5 | 7887.5 | 0.0 | -7887.5 | 9.61 | 0.00 | 2.903 | 159.037403 |
| Jamde Wind 220kV | 06/01/2020 19:00:00 | 77 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | -1.161 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 19:15:00 | 78 | 82087.5 | 8017.5 | 0.0 | -8017.5 | 9.77 | 0.00 | -4.178 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 19:30:00 | 79 | 82087.5 | 7962.5 | 0.0 | -7962.5 | 9.7 | 0.00 | -2.323 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 19:45:00 | 80 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | -4.178 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 20:00:00 | 81 | 82087.5 | 8017.5 | 0.0 | -8017.5 | 9.77 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jamde Wind 220kV | 06/01/2020 20:15:00 | 82 | 82087.5 | 7995.0 | 0.0 | -7995.0 | 9.74 | 0.00 | -5.770 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 20:30:00 | 83 | 82087.5 | 7937.5 | 0.0 | -7937.5 | 9.67 | 0.00 | 5.770 | 1081.509598 |
| Jamde Wind 220kV | 06/01/2020 20:45:00 | 84 | 82087.5 | 7895.0 | 0.0 | -7895.0 | 9.62 | 0.00 | 4.178 | 3265.003694 |
| Jamde Wind 220kV | 06/01/2020 21:00:00 | 85 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | 3.222 | 1720.137659 |
| Jamde Wind 220kV | 06/01/2020 21:15:00 | 86 | 82087.5 | 7895.0 | 0.0 | -7895.0 | 9.62 | 0.00 | -1.742 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 21:30:00 | 87 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | 0.000 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 21:45:00 | 88 | 82087.5 | 7887.5 | 0.0 | -7887.5 | 9.61 | 0.00 | 1.161 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 22:00:00 | 89 | 82087.5 | 7937.5 | 0.0 | -7937.5 | 9.67 | 0.00 | 4.815 | 4647.621185 |
| Jamde Wind 220kV | 06/01/2020 22:15:00 | 90 | 82087.5 | 7895.0 | 0.0 | -7895.0 | 9.62 | 0.00 | 3.859 | 4769.377784 |
| Jamde Wind 220kV | 06/01/2020 22:30:00 | 91 | 82087.5 | 7937.5 | 0.0 | -7937.5 | 9.67 | 0.00 | 1.742 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 22:45:00 | 92 | 82087.5 | 7895.0 | 0.0 | -7895.0 | 9.62 | 0.00 | -2.323 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 23:00:00 | 93 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | -2.903 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 23:15:00 | 94 | 82087.5 | 7895.0 | 0.0 | -7895.0 | 9.62 | 0.00 | 2.323 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 23:30:00 | 95 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | -3.222 | 0.000000 |
| Jamde Wind 220kV | 06/01/2020 23:45:00 | 96 | 82087.5 | 7887.5 | 0.0 | -7887.5 | 9.61 | 0.00 | 2.323 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 00:00:00 | 1 | 82087.5 | 8140.0 | 0.0 | -8140.0 | 9.92 | 0.00 | -0.549 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 00:15:00 | 2 | 82087.5 | 7530.0 | 0.0 | -7530.0 | 9.17 | 0.00 | -1.647 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 00:30:00 | 3 | 82087.5 | 8087.5 | 0.0 | -8087.5 | 9.85 | 0.00 | -3.073 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 00:45:00 | 4 | 82087.5 | 7987.5 | 0.0 | -7987.5 | 9.73 | 0.00 | -2.744 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 01:00:00 | 5 | 82087.5 | 8142.5 | 0.0 | -8142.5 | 9.92 | 0.00 | -4.058 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 01:15:00 | 6 | 82087.5 | 8120.0 | 0.0 | -8120.0 | 9.89 | 0.00 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jamde Wind 220kV | 07/01/2020 01:30:00 | 7 | 82087.5 | 8062.5 | 0.0 | -8062.5 | 9.82 | 0.00 | -3.401 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 01:45:00 | 8 | 82087.5 | 7895.0 | 0.0 | -7895.0 | 9.62 | 0.00 | 3.730 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 02:00:00 | 9 | 82087.5 | 7987.5 | 0.0 | -7987.5 | 9.73 | 0.00 | 3.073 | 1738.938288 |
| Jamde Wind 220kV | 07/01/2020 02:15:00 | 10 | 82087.5 | 8142.5 | 0.0 | -8142.5 | 9.92 | 0.00 | 3.073 | 792.669750 |
| Jamde Wind 220kV | 07/01/2020 02:30:00 | 11 | 82087.5 | 8120.0 | 0.0 | -8120.0 | 9.89 | 0.00 | 3.401 | 1105.635978 |
| Jamde Wind 220kV | 07/01/2020 02:45:00 | 12 | 82087.5 | 8062.5 | 0.0 | -8062.5 | 9.82 | 0.00 | 2.745 | 1094.938594 |
| Jamde Wind 220kV | 07/01/2020 03:00:00 | 13 | 82087.5 | 7895.0 | 0.0 | -7895.0 | 9.62 | 0.00 | 1.647 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 03:15:00 | 14 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | 2.196 | 504.400468 |
| Jamde Wind 220kV | 07/01/2020 03:30:00 | 15 | 82087.5 | 7887.5 | 0.0 | -7887.5 | 9.61 | 0.00 | 1.647 | 673.203443 |
| Jamde Wind 220kV | 07/01/2020 03:45:00 | 16 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | 1.098 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 04:00:00 | 17 | 82087.5 | 8017.5 | 0.0 | -8017.5 | 9.77 | 0.00 | 1.647 | 2936.007807 |
| Jamde Wind 220kV | 07/01/2020 04:15:00 | 18 | 82087.5 | 7962.5 | 0.0 | -7962.5 | 9.7 | 0.00 | 2.210 | 5700.816424 |
| Jamde Wind 220kV | 07/01/2020 04:30:00 | 19 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | 3.730 | 7948.922867 |
| Jamde Wind 220kV | 07/01/2020 04:45:00 | 20 | 82087.5 | 8017.5 | 0.0 | -8017.5 | 9.77 | 0.00 | -1.098 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 05:00:00 | 21 | 82087.5 | 7995.0 | 0.0 | -7995.0 | 9.74 | 0.00 | -2.744 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 05:15:00 | 22 | 82087.5 | 7937.5 | 0.0 | -7937.5 | 9.67 | 0.00 | 3.730 | 4077.640226 |
| Jamde Wind 220kV | 07/01/2020 05:30:00 | 23 | 82087.5 | 7895.0 | 0.0 | -7895.0 | 9.62 | 0.00 | 3.073 | 9111.621368 |
| Jamde Wind 220kV | 07/01/2020 05:45:00 | 24 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | 3.730 | 7049.203318 |
| Jamde Wind 220kV | 07/01/2020 06:00:00 | 25 | 82087.5 | 7895.0 | 0.0 | -7895.0 | 9.62 | 0.00 | -5.372 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 06:15:00 | 26 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | 4.556 | 26198.619224 |
| Jamde Wind 220kV | 07/01/2020 06:30:00 | 27 | 82087.5 | 7887.5 | 0.0 | -7887.5 | 9.61 | 0.00 | 7.148 | 45504.479188 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jamde Wind 220kV | 07/01/2020 06:45:00 | 28 | 82087.5 | 7937.5 | 0.0 | -7937.5 | 9.67 | 0.00 | 7.821 | 41991.069300 |
| Jamde Wind 220kV | 07/01/2020 07:00:00 | 29 | 82087.5 | 7895.0 | 0.0 | -7895.0 | 9.62 | 0.00 | 5.372 | 20980.549487 |
| Jamde Wind 220kV | 07/01/2020 07:15:00 | 30 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | 16.000 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 07:30:00 | 31 | 82087.5 | 7895.0 | 0.0 | -7895.0 | 9.62 | 0.00 | 9.296 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 07:45:00 | 32 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | 9.794 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 08:00:00 | 33 | 82087.5 | 7887.5 | 0.0 | -7887.5 | 9.61 | 0.00 | 3.593 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 08:15:00 | 34 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | 3.401 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 08:30:00 | 35 | 82087.5 | 8017.5 | 0.0 | -8017.5 | 9.77 | 0.00 | 3.245 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 08:45:00 | 36 | 82087.5 | 8017.5 | 0.0 | -8017.5 | 9.77 | 0.00 | 0.000 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 09:00:00 | 37 | 82087.5 | 7962.5 | 0.0 | -7962.5 | 9.7 | 0.00 | 2.745 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 09:15:00 | 38 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | 4.715 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 09:30:00 | 39 | 82087.5 | 8017.5 | 0.0 | -8017.5 | 9.77 | 0.00 | 3.981 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 09:45:00 | 40 | 82087.5 | 7995.0 | 0.0 | -7995.0 | 9.74 | 0.00 | 3.730 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 10:00:00 | 41 | 82087.5 | 7937.5 | 0.0 | -7937.5 | 9.67 | 0.00 | 1.780 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 10:15:00 | 42 | 82087.5 | 7895.0 | 0.0 | -7895.0 | 9.62 | 0.00 | 5.643 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 10:30:00 | 43 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | 4.976 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 10:45:00 | 44 | 82087.5 | 8017.5 | 0.0 | -8017.5 | 9.77 | 0.00 | 4.415 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 11:00:00 | 45 | 82087.5 | 8087.5 | 0.0 | -8087.5 | 9.85 | 0.00 | 4.476 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 11:15:00 | 46 | 82087.5 | 7987.5 | 0.0 | -7987.5 | 9.73 | 0.00 | 4.826 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 11:30:00 | 47 | 82087.5 | 8142.5 | 0.0 | -8142.5 | 9.92 | 0.00 | 2.289 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 11:45:00 | 48 | 82087.5 | 8120.0 | 0.0 | -8120.0 | 9.89 | 0.00 | -0.549 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jamde Wind 220kV | 07/01/2020 12:00:00 | 49 | 82087.5 | 8062.5 | 0.0 | -8062.5 | 9.82 | 0.00 | 4.727 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 12:15:00 | 50 | 82087.5 | 7895.0 | 0.0 | -7895.0 | 9.62 | 0.00 | 4.777 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 12:30:00 | 51 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | 4.798 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 12:45:00 | 52 | 82087.5 | 7887.5 | 0.0 | -7887.5 | 9.61 | 0.00 | -3.401 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 13:00:00 | 53 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | -2.431 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 13:15:00 | 54 | 82087.5 | 8017.5 | 0.0 | -8017.5 | 9.77 | 0.00 | -4.387 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 13:30:00 | 55 | 82087.5 | 7962.5 | 0.0 | -7962.5 | 9.7 | 0.00 | -3.401 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 13:45:00 | 56 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | -5.044 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 14:00:00 | 57 | 82087.5 | 8017.5 | 0.0 | -8017.5 | 9.77 | 0.00 | 4.215 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 14:15:00 | 58 | 82087.5 | 7995.0 | 0.0 | -7995.0 | 9.74 | 0.00 | 9.552 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 14:30:00 | 59 | 82087.5 | 7937.5 | 0.0 | -7937.5 | 9.67 | 0.00 | 6.358 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 14:45:00 | 60 | 82087.5 | 7895.0 | 0.0 | -7895.0 | 9.62 | 0.00 | 2.744 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 15:00:00 | 61 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | -3.073 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 15:15:00 | 62 | 82087.5 | 7895.0 | 0.0 | -7895.0 | 9.62 | 0.00 | -4.058 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 15:30:00 | 63 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | -4.831 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 15:45:00 | 64 | 82087.5 | 7887.5 | 0.0 | -7887.5 | 9.61 | 0.00 | -5.372 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 16:00:00 | 65 | 82087.5 | 7937.5 | 0.0 | -7937.5 | 9.67 | 0.00 | 2.196 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 16:15:00 | 66 | 82087.5 | 7895.0 | 0.0 | -7895.0 | 9.62 | 0.00 | -3.401 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 16:30:00 | 67 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | 4.738 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 16:45:00 | 68 | 82087.5 | 7895.0 | 0.0 | -7895.0 | 9.62 | 0.00 | 7.343 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 17:00:00 | 69 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jamde Wind 220kV | 07/01/2020 17:15:00 | 70 | 82087.5 | 7887.5 | 0.0 | -7887.5 | 9.61 | 0.00 | 2.744 | 1312.055089 |
| Jamde Wind 220kV | 07/01/2020 17:30:00 | 71 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | 3.401 | 519.156439 |
| Jamde Wind 220kV | 07/01/2020 17:45:00 | 72 | 82087.5 | 8017.5 | 0.0 | -8017.5 | 9.77 | 0.00 | -2.745 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 18:00:00 | 73 | 82087.5 | 8062.5 | 0.0 | -8062.5 | 9.82 | 0.00 | -3.073 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 18:15:00 | 74 | 82087.5 | 7895.0 | 0.0 | -7895.0 | 9.62 | 0.00 | -5.372 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 18:30:00 | 75 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | 3.401 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 18:45:00 | 76 | 82087.5 | 7887.5 | 0.0 | -7887.5 | 9.61 | 0.00 | -3.401 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 19:00:00 | 77 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | -3.730 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 19:15:00 | 78 | 82087.5 | 8017.5 | 0.0 | -8017.5 | 9.77 | 0.00 | -4.715 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 19:30:00 | 79 | 82087.5 | 7962.5 | 0.0 | -7962.5 | 9.7 | 0.00 | -4.058 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 19:45:00 | 80 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | -2.210 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 20:00:00 | 81 | 82087.5 | 8017.5 | 0.0 | -8017.5 | 9.77 | 0.00 | -2.348 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 20:15:00 | 82 | 82087.5 | 7995.0 | 0.0 | -7995.0 | 9.74 | 0.00 | 4.387 | 12477.412714 |
| Jamde Wind 220kV | 07/01/2020 20:30:00 | 83 | 82087.5 | 7937.5 | 0.0 | -7937.5 | 9.67 | 0.00 | 3.816 | 16197.969246 |
| Jamde Wind 220kV | 07/01/2020 20:45:00 | 84 | 82087.5 | 7895.0 | 0.0 | -7895.0 | 9.62 | 0.00 | 3.401 | 3879.097959 |
| Jamde Wind 220kV | 07/01/2020 21:00:00 | 85 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | -4.058 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 21:15:00 | 86 | 82087.5 | 7895.0 | 0.0 | -7895.0 | 9.62 | 0.00 | 1.647 | 4184.627128 |
| Jamde Wind 220kV | 07/01/2020 21:30:00 | 87 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | 2.196 | 2507.225562 |
| Jamde Wind 220kV | 07/01/2020 21:45:00 | 88 | 82087.5 | 7887.5 | 0.0 | -7887.5 | 9.61 | 0.00 | -2.196 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 22:00:00 | 89 | 82087.5 | 7937.5 | 0.0 | -7937.5 | 9.67 | 0.00 | -3.257 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 22:15:00 | 90 | 82087.5 | 7895.0 | 0.0 | -7895.0 | 9.62 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jamde Wind 220kV | 07/01/2020 22:30:00 | 91 | 82087.5 | 10142.5 | 0.0 | -10142.5 | 12.36 | 0.00 | -1.098 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 22:45:00 | 92 | 82087.5 | 10175.0 | 0.0 | -10175.0 | 12.4 | 0.00 | -1.647 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 23:00:00 | 93 | 82087.5 | 10142.5 | 0.0 | -10142.5 | 12.36 | 0.00 | -3.401 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 23:15:00 | 94 | 82087.5 | 10167.5 | 0.0 | -10167.5 | 12.39 | 0.00 | 1.647 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 23:30:00 | 95 | 82087.5 | 10142.5 | 0.0 | -10142.5 | 12.36 | 0.00 | -2.196 | 0.000000 |
| Jamde Wind 220kV | 07/01/2020 23:45:00 | 96 | 82087.5 | 10297.5 | 0.0 | -10297.5 | 12.54 | 0.00 | -0.549 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 00:00:00 | 1 | 82087.5 | 8140.0 | 0.0 | -8140.0 | 9.92 | 0.00 | -2.220 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 00:15:00 | 2 | 82087.5 | 7530.0 | 0.0 | -7530.0 | 9.17 | 0.00 | -3.101 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 00:30:00 | 3 | 82087.5 | 8087.5 | 0.0 | -8087.5 | 9.85 | 0.00 | -3.101 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 00:45:00 | 4 | 82087.5 | 7987.5 | 0.0 | -7987.5 | 9.73 | 0.00 | -2.424 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 01:00:00 | 5 | 82087.5 | 8142.5 | 0.0 | -8142.5 | 9.92 | 0.00 | -2.170 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 01:15:00 | 6 | 82087.5 | 8120.0 | 0.0 | -8120.0 | 9.89 | 0.00 | -1.761 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 01:30:00 | 7 | 82087.5 | 8062.5 | 0.0 | -8062.5 | 9.82 | 0.00 | -1.665 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 01:45:00 | 8 | 82087.5 | 7895.0 | 0.0 | -7895.0 | 9.62 | 0.00 | -1.665 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 02:00:00 | 9 | 82087.5 | 7987.5 | 0.0 | -7987.5 | 9.73 | 0.00 | -1.110 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 02:15:00 | 10 | 82087.5 | 8142.5 | 0.0 | -8142.5 | 9.92 | 0.00 | -1.347 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 02:30:00 | 11 | 82087.5 | 8120.0 | 0.0 | -8120.0 | 9.89 | 0.00 | -3.101 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 02:45:00 | 12 | 82087.5 | 8062.5 | 0.0 | -8062.5 | 9.82 | 0.00 | -2.220 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 03:00:00 | 13 | 82087.5 | 7895.0 | 0.0 | -7895.0 | 9.62 | 0.00 | -3.428 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 03:15:00 | 14 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | -2.220 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 03:30:00 | 15 | 82087.5 | 7887.5 | 0.0 | -7887.5 | 9.61 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jamde Wind 220kV | 08/01/2020 03:45:00 | 16 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | -2.775 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 04:00:00 | 17 | 82087.5 | 8017.5 | 0.0 | -8017.5 | 9.77 | 0.00 | -3.101 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 04:15:00 | 18 | 82087.5 | 7962.5 | 0.0 | -7962.5 | 9.7 | 0.00 | -1.665 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 04:30:00 | 19 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | -2.220 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 04:45:00 | 20 | 82087.5 | 8017.5 | 0.0 | -8017.5 | 9.77 | 0.00 | -2.775 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 05:00:00 | 21 | 82087.5 | 7995.0 | 0.0 | -7995.0 | 9.74 | 0.00 | -1.110 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 05:15:00 | 22 | 82087.5 | 7937.5 | 0.0 | -7937.5 | 9.67 | 0.00 | 2.775 | 382.492702 |
| Jamde Wind 220kV | 08/01/2020 05:30:00 | 23 | 82087.5 | 7895.0 | 0.0 | -7895.0 | 9.62 | 0.00 | -3.428 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 05:45:00 | 24 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | -2.775 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 06:00:00 | 25 | 82087.5 | 7895.0 | 0.0 | -7895.0 | 9.62 | 0.00 | -2.220 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 06:15:00 | 26 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | 2.220 | 1609.807010 |
| Jamde Wind 220kV | 08/01/2020 06:30:00 | 27 | 82087.5 | 7887.5 | 0.0 | -7887.5 | 9.61 | 0.00 | 5.387 | 14197.202952 |
| Jamde Wind 220kV | 08/01/2020 06:45:00 | 28 | 82087.5 | 7937.5 | 0.0 | -7937.5 | 9.67 | 0.00 | -4.734 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 07:00:00 | 29 | 82087.5 | 7895.0 | 0.0 | -7895.0 | 9.62 | 0.00 | -4.407 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 07:15:00 | 30 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | 5.061 | 13858.313454 |
| Jamde Wind 220kV | 08/01/2020 07:30:00 | 31 | 82087.5 | 7895.0 | 0.0 | -7895.0 | 9.62 | 0.00 | 5.714 | 13314.919225 |
| Jamde Wind 220kV | 08/01/2020 07:45:00 | 32 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | 5.061 | 5213.107898 |
| Jamde Wind 220kV | 08/01/2020 08:00:00 | 33 | 82087.5 | 7887.5 | 0.0 | -7887.5 | 9.61 | 0.00 | 2.775 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 08:15:00 | 34 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | 2.775 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 08:30:00 | 35 | 82087.5 | 8017.5 | 0.0 | -8017.5 | 9.77 | 0.00 | 5.387 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 08:45:00 | 36 | 82087.5 | 8017.5 | 0.0 | -8017.5 | 9.77 | 0.00 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jamde Wind 220kV | 08/01/2020 09:00:00 | 37 | 82087.5 | 7962.5 | 0.0 | -7962.5 | 9.7 | 0.00 | 7.673 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 09:15:00 | 38 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | 7.673 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 09:30:00 | 39 | 82087.5 | 8017.5 | 0.0 | -8017.5 | 9.77 | 0.00 | 3.101 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 09:45:00 | 40 | 82087.5 | 7995.0 | 0.0 | -7995.0 | 9.74 | 0.00 | -3.101 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 10:00:00 | 41 | 82087.5 | 7937.5 | 0.0 | -7937.5 | 9.67 | 0.00 | -3.101 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 10:15:00 | 42 | 82087.5 | 7895.0 | 0.0 | -7895.0 | 9.62 | 0.00 | -3.101 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 10:30:00 | 43 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | -1.665 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 10:45:00 | 44 | 82087.5 | 8017.5 | 0.0 | -8017.5 | 9.77 | 0.00 | 0.000 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 11:00:00 | 45 | 82087.5 | 8087.5 | 0.0 | -8087.5 | 9.85 | 0.00 | -1.486 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 11:15:00 | 46 | 82087.5 | 7987.5 | 0.0 | -7987.5 | 9.73 | 0.00 | -1.305 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 11:30:00 | 47 | 82087.5 | 8142.5 | 0.0 | -8142.5 | 9.92 | 0.00 | -2.425 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 11:45:00 | 48 | 82087.5 | 8120.0 | 0.0 | -8120.0 | 9.89 | 0.00 | -2.775 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 12:00:00 | 49 | 82087.5 | 8062.5 | 0.0 | -8062.5 | 9.82 | 0.00 | -2.083 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 12:15:00 | 50 | 82087.5 | 7895.0 | 0.0 | -7895.0 | 9.62 | 0.00 | -3.242 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 12:30:00 | 51 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | -1.330 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 12:45:00 | 52 | 82087.5 | 7887.5 | 0.0 | -7887.5 | 9.61 | 0.00 | -0.830 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 13:00:00 | 53 | 82087.5 | 11565.0 | 0.0 | -11565.0 | 14.09 | 0.00 | 2.775 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 13:15:00 | 54 | 82087.5 | 11232.5 | 0.0 | -11232.5 | 13.68 | 0.00 | 0.000 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 13:30:00 | 55 | 82087.5 | 10895.0 | 0.0 | -10895.0 | 13.27 | 0.00 | -1.012 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 13:45:00 | 56 | 82087.5 | 10445.0 | 0.0 | -10445.0 | 12.72 | 0.00 | -1.087 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 14:00:00 | 57 | 82087.5 | 9752.5 | 0.0 | -9752.5 | 11.88 | 0.00 | -3.101 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jamde Wind 220kV | 08/01/2020 14:15:00 | 58 | 82087.5 | 11695.0 | 0.0 | -11695.0 | 14.25 | 0.00 | -4.081 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 14:30:00 | 59 | 82087.5 | 10862.5 | 0.0 | -10862.5 | 13.23 | 0.00 | -2.996 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 14:45:00 | 60 | 82087.5 | 10112.5 | 0.0 | -10112.5 | 12.32 | 0.00 | -3.101 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 15:00:00 | 61 | 82087.5 | 9460.0 | 0.0 | -9460.0 | 11.52 | 0.00 | -1.879 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 15:15:00 | 62 | 82087.5 | 9182.5 | 0.0 | -9182.5 | 11.19 | 0.00 | -4.081 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 15:30:00 | 63 | 82087.5 | 8645.0 | 0.0 | -8645.0 | 10.53 | 0.00 | 4.938 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 15:45:00 | 64 | 82087.5 | 8460.0 | 0.0 | -8460.0 | 10.31 | 0.00 | 4.719 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 16:00:00 | 65 | 82087.5 | 8035.0 | 0.0 | -8035.0 | 9.79 | 0.00 | 0.555 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 16:15:00 | 66 | 82087.5 | 7895.0 | 0.0 | -7895.0 | 9.62 | 0.00 | -4.081 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 16:30:00 | 67 | 82087.5 | 7862.5 | 0.0 | -7862.5 | 9.58 | 0.00 | -3.754 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 16:45:00 | 68 | 82087.5 | 7895.0 | 0.0 | -7895.0 | 9.62 | 0.00 | -8.000 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 17:00:00 | 69 | 82087.5 | 22025.0 | 0.0 | -22025.0 | 26.83 | 5607.50 | 0.000 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 17:15:00 | 70 | 82087.5 | 20762.5 | 0.0 | -20762.5 | 25.29 | 4345.00 | 4.081 | 3982.774488 |
| Jamde Wind 220kV | 08/01/2020 17:30:00 | 71 | 82087.5 | 19290.0 | 0.0 | -19290.0 | 23.5 | 3488.44 | -5.387 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 17:45:00 | 72 | 82087.5 | 17720.0 | 0.0 | -17720.0 | 21.59 | 2703.44 | -3.101 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 18:00:00 | 73 | 82087.5 | 21162.5 | 0.0 | -21162.5 | 25.78 | 4745.00 | -2.775 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 18:15:00 | 74 | 82087.5 | 20400.0 | 0.0 | -20400.0 | 24.85 | 4043.44 | -3.101 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 18:30:00 | 75 | 82087.5 | 19702.5 | 0.0 | -19702.5 | 24.0 | 3694.69 | -2.220 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 18:45:00 | 76 | 82087.5 | 19070.0 | 0.0 | -19070.0 | 23.23 | 3378.44 | 2.220 | 15032.395439 |
| Jamde Wind 220kV | 08/01/2020 19:00:00 | 77 | 82087.5 | 12362.5 | 0.0 | -12362.5 | 15.06 | 24.69 | 1.110 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 19:15:00 | 78 | 82087.5 | 12352.5 | 0.0 | -12352.5 | 15.05 | 19.69 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jamde Wind 220kV | 08/01/2020 19:30:00 | 79 | 82087.5 | 12245.0 | 0.0 | -12245.0 | 14.92 | 0.00 | -2.220 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 19:45:00 | 80 | 82087.5 | 12187.5 | 0.0 | -12187.5 | 14.85 | 0.00 | -0.555 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 20:00:00 | 81 | 82087.5 | 12145.0 | 0.0 | -12145.0 | 14.8 | 0.00 | 2.775 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 20:15:00 | 82 | 82087.5 | 12112.5 | 0.0 | -12112.5 | 14.76 | 0.00 | 3.101 | 20253.086589 |
| Jamde Wind 220kV | 08/01/2020 20:30:00 | 83 | 82087.5 | 12145.0 | 0.0 | -12145.0 | 14.8 | 0.00 | 4.408 | 27510.960994 |
| Jamde Wind 220kV | 08/01/2020 20:45:00 | 84 | 82087.5 | 12112.5 | 0.0 | -12112.5 | 14.76 | 0.00 | 3.101 | 7926.419272 |
| Jamde Wind 220kV | 08/01/2020 21:00:00 | 85 | 82087.5 | 12137.5 | 0.0 | -12137.5 | 14.79 | 0.00 | 3.101 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 21:15:00 | 86 | 82087.5 | 12187.5 | 0.0 | -12187.5 | 14.85 | 0.00 | -0.555 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 21:30:00 | 87 | 82087.5 | 12145.0 | 0.0 | -12145.0 | 14.8 | 0.00 | -1.110 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 21:45:00 | 88 | 82087.5 | 12112.5 | 0.0 | -12112.5 | 14.76 | 0.00 | -1.110 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 22:00:00 | 89 | 82087.5 | 12145.0 | 0.0 | -12145.0 | 14.8 | 0.00 | -2.489 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 22:15:00 | 90 | 82087.5 | 12112.5 | 0.0 | -12112.5 | 14.76 | 0.00 | -2.775 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 22:30:00 | 91 | 82087.5 | 12137.5 | 0.0 | -12137.5 | 14.79 | 0.00 | -2.223 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 22:45:00 | 92 | 82087.5 | 12112.5 | 0.0 | -12112.5 | 14.76 | 0.00 | 1.110 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 23:00:00 | 93 | 82087.5 | 12267.5 | 0.0 | -12267.5 | 14.94 | 0.00 | 1.110 | 1309.690597 |
| Jamde Wind 220kV | 08/01/2020 23:15:00 | 94 | 82087.5 | 12312.5 | 0.0 | -12312.5 | 15.0 | 0.00 | 1.110 | 0.000000 |
| Jamde Wind 220kV | 08/01/2020 23:30:00 | 95 | 82087.5 | 12145.0 | 0.0 | -12145.0 | 14.8 | 0.00 | 2.775 | 110.404358 |
| Jamde Wind 220kV | 08/01/2020 23:45:00 | 96 | 82087.5 | 12112.5 | 0.0 | -12112.5 | 14.76 | 0.00 | 0.000 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 00:00:00 | 1 | 82087.5 | 8140.0 | 0.0 | -8140.0 | 9.92 | 0.00 | -0.576 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 00:15:00 | 2 | 82087.5 | 7530.0 | 0.0 | -7530.0 | 9.17 | 0.00 | -1.727 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 00:30:00 | 3 | 82087.5 | 8087.5 | 0.0 | -8087.5 | 9.85 | 0.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jamde Wind 220kV | 09/01/2020 00:45:00 | 4 | 82087.5 | 7987.5 | 0.0 | -7987.5 | 9.73 | 0.00 | -2.879 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 01:00:00 | 5 | 82087.5 | 8142.5 | 0.0 | -8142.5 | 9.92 | 0.00 | -3.519 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 01:15:00 | 6 | 82087.5 | 10620.0 | 0.0 | -10620.0 | 12.94 | 0.00 | -3.519 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 01:30:00 | 7 | 82087.5 | 10562.5 | 0.0 | -10562.5 | 12.87 | 0.00 | -3.199 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 01:45:00 | 8 | 82087.5 | 10395.0 | 0.0 | -10395.0 | 12.66 | 0.00 | 3.519 | 2525.855357 |
| Jamde Wind 220kV | 09/01/2020 02:00:00 | 9 | 82087.5 | 10487.5 | 0.0 | -10487.5 | 12.78 | 0.00 | 3.519 | 11545.771996 |
| Jamde Wind 220kV | 09/01/2020 02:15:00 | 10 | 82087.5 | 10642.5 | 0.0 | -10642.5 | 12.96 | 0.00 | 2.879 | 5138.596054 |
| Jamde Wind 220kV | 09/01/2020 02:30:00 | 11 | 82087.5 | 10620.0 | 0.0 | -10620.0 | 12.94 | 0.00 | 3.199 | 7377.577865 |
| Jamde Wind 220kV | 09/01/2020 02:45:00 | 12 | 82087.5 | 10562.5 | 0.0 | -10562.5 | 12.87 | 0.00 | 1.152 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 03:00:00 | 13 | 82087.5 | 10395.0 | 0.0 | -10395.0 | 12.66 | 0.00 | -2.879 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 03:15:00 | 14 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | -3.839 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 03:30:00 | 15 | 82087.5 | 10387.5 | 0.0 | -10387.5 | 12.65 | 0.00 | 3.199 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 03:45:00 | 16 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | 0.000 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 04:00:00 | 17 | 82087.5 | 10517.5 | 0.0 | -10517.5 | 12.81 | 0.00 | 1.727 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 04:15:00 | 18 | 82087.5 | 10462.5 | 0.0 | -10462.5 | 12.75 | 0.00 | 1.727 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 04:30:00 | 19 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | 1.727 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 04:45:00 | 20 | 82087.5 | 10517.5 | 0.0 | -10517.5 | 12.81 | 0.00 | 2.879 | 9064.087138 |
| Jamde Wind 220kV | 09/01/2020 05:00:00 | 21 | 82087.5 | 10495.0 | 0.0 | -10495.0 | 12.79 | 0.00 | 3.839 | 5238.880688 |
| Jamde Wind 220kV | 09/01/2020 05:15:00 | 22 | 82087.5 | 10437.5 | 0.0 | -10437.5 | 12.72 | 0.00 | 5.119 | 14732.560229 |
| Jamde Wind 220kV | 09/01/2020 05:30:00 | 23 | 82087.5 | 10395.0 | 0.0 | -10395.0 | 12.66 | 0.00 | 4.064 | 26740.138455 |
| Jamde Wind 220kV | 09/01/2020 05:45:00 | 24 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | 1.152 | 73.105798 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jamde Wind 220kV | 09/01/2020 06:00:00 | 25 | 82087.5 | 10395.0 | 0.0 | -10395.0 | 12.66 | 0.00 | -2.303 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 06:15:00 | 26 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | 2.303 | 6892.607304 |
| Jamde Wind 220kV | 09/01/2020 06:30:00 | 27 | 82087.5 | 10387.5 | 0.0 | -10387.5 | 12.65 | 0.00 | -3.839 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 06:45:00 | 28 | 82087.5 | 10437.5 | 0.0 | -10437.5 | 12.72 | 0.00 | -2.879 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 07:00:00 | 29 | 82087.5 | 10395.0 | 0.0 | -10395.0 | 12.66 | 0.00 | -2.879 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 07:15:00 | 30 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | 6.400 | 5155.413551 |
| Jamde Wind 220kV | 09/01/2020 07:30:00 | 31 | 82087.5 | 10395.0 | 0.0 | -10395.0 | 12.66 | 0.00 | 1.172 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 07:45:00 | 32 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | 0.576 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 08:00:00 | 33 | 82087.5 | 10387.5 | 0.0 | -10387.5 | 12.65 | 0.00 | -0.576 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 08:15:00 | 34 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | -1.152 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 08:30:00 | 35 | 82087.5 | 10517.5 | 0.0 | -10517.5 | 12.81 | 0.00 | 0.576 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 08:45:00 | 36 | 82087.5 | 10517.5 | 0.0 | -10517.5 | 12.81 | 0.00 | 0.000 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 09:00:00 | 37 | 82087.5 | 10462.5 | 0.0 | -10462.5 | 12.75 | 0.00 | 1.152 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 09:15:00 | 38 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | 1.727 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 09:30:00 | 39 | 82087.5 | 10517.5 | 0.0 | -10517.5 | 12.81 | 0.00 | -3.839 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 09:45:00 | 40 | 82087.5 | 10495.0 | 0.0 | -10495.0 | 12.79 | 0.00 | -1.152 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 10:00:00 | 41 | 82087.5 | 10437.5 | 0.0 | -10437.5 | 12.72 | 0.00 | 0.000 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 10:15:00 | 42 | 82087.5 | 10395.0 | 0.0 | -10395.0 | 12.66 | 0.00 | 1.727 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 10:30:00 | 43 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | 2.303 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 10:45:00 | 44 | 82087.5 | 10517.5 | 0.0 | -10517.5 | 12.81 | 0.00 | -1.144 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 11:00:00 | 45 | 82087.5 | 10587.5 | 0.0 | -10587.5 | 12.9 | 0.00 | -4.479 | 0.000000 |

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| Jamde Wind 220kV | 09/01/2020 11:15:00 | 46 | 82087.5 | 10487.5 | 0.0 | -10487.5 | 12.78 | 0.00 | -3.519 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 11:30:00 | 47 | 82087.5 | 10642.5 | 0.0 | -10642.5 | 12.96 | 0.00 | -2.303 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 11:45:00 | 48 | 82087.5 | 10620.0 | 0.0 | -10620.0 | 12.94 | 0.00 | -0.576 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 12:00:00 | 49 | 82087.5 | 10562.5 | 0.0 | -10562.5 | 12.87 | 0.00 | 0.000 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 12:15:00 | 50 | 82087.5 | 10395.0 | 0.0 | -10395.0 | 12.66 | 0.00 | 3.839 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 12:30:00 | 51 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | 3.199 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 12:45:00 | 52 | 82087.5 | 10387.5 | 0.0 | -10387.5 | 12.65 | 0.00 | 3.199 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 13:00:00 | 53 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | -1.152 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 13:15:00 | 54 | 82087.5 | 10387.5 | 0.0 | -10387.5 | 12.65 | 0.00 | -1.152 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 13:30:00 | 55 | 82087.5 | 10437.5 | 0.0 | -10437.5 | 12.72 | 0.00 | 1.727 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 13:45:00 | 56 | 82087.5 | 10395.0 | 0.0 | -10395.0 | 12.66 | 0.00 | 3.199 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 14:00:00 | 57 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | 4.345 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 14:15:00 | 58 | 82087.5 | 10395.0 | 0.0 | -10395.0 | 12.66 | 0.00 | 3.941 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 14:30:00 | 59 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | 1.152 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 14:45:00 | 60 | 82087.5 | 10387.5 | 0.0 | -10387.5 | 12.65 | 0.00 | -0.576 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 15:00:00 | 61 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | -1.006 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 15:15:00 | 62 | 82087.5 | 10517.5 | 0.0 | -10517.5 | 12.81 | 0.00 | 3.199 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 15:30:00 | 63 | 82087.5 | 10517.5 | 0.0 | -10517.5 | 12.81 | 0.00 | 2.879 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 15:45:00 | 64 | 82087.5 | 10462.5 | 0.0 | -10462.5 | 12.75 | 0.00 | 3.839 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 16:00:00 | 65 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | 1.727 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 16:15:00 | 66 | 82087.5 | 10517.5 | 0.0 | -10517.5 | 12.81 | 0.00 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jamde Wind 220kV | 09/01/2020 16:30:00 | 67 | 82087.5 | 10495.0 | 0.0 | -10495.0 | 12.79 | 0.00 | -4.159 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 16:45:00 | 68 | 82087.5 | 10437.5 | 0.0 | -10437.5 | 12.72 | 0.00 | 3.839 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 17:00:00 | 69 | 82087.5 | 10395.0 | 0.0 | -10395.0 | 12.66 | 0.00 | 1.727 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 17:15:00 | 70 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | 3.839 | 3561.754671 |
| Jamde Wind 220kV | 09/01/2020 17:30:00 | 71 | 82087.5 | 10387.5 | 0.0 | -10387.5 | 12.65 | 0.00 | -2.879 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 17:45:00 | 72 | 82087.5 | 10437.5 | 0.0 | -10437.5 | 12.72 | 0.00 | -4.146 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 18:00:00 | 73 | 82087.5 | 10395.0 | 0.0 | -10395.0 | 12.66 | 0.00 | -3.349 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 18:15:00 | 74 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | -4.563 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 18:30:00 | 75 | 82087.5 | 10395.0 | 0.0 | -10395.0 | 12.66 | 0.00 | -3.839 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 18:45:00 | 76 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | -2.879 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 19:00:00 | 77 | 82087.5 | 10387.5 | 0.0 | -10387.5 | 12.65 | 0.00 | -3.199 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 19:15:00 | 78 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | -1.727 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 19:30:00 | 79 | 82087.5 | 10517.5 | 0.0 | -10517.5 | 12.81 | 0.00 | -1.442 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 19:45:00 | 80 | 82087.5 | 10517.5 | 0.0 | -10517.5 | 12.81 | 0.00 | -0.286 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 20:00:00 | 81 | 82087.5 | 10462.5 | 0.0 | -10462.5 | 12.75 | 0.00 | -1.070 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 20:15:00 | 82 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | -2.236 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 20:30:00 | 83 | 82087.5 | 10517.5 | 0.0 | -10517.5 | 12.81 | 0.00 | -4.799 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 20:45:00 | 84 | 82087.5 | 10495.0 | 0.0 | -10495.0 | 12.79 | 0.00 | -1.727 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 21:00:00 | 85 | 82087.5 | 16385.0 | 0.0 | -16385.0 | 19.96 | 2035.94 | -1.727 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 21:15:00 | 86 | 82087.5 | 16587.5 | 0.0 | -16587.5 | 20.21 | 2137.19 | 1.152 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 21:30:00 | 87 | 82087.5 | 16755.0 | 0.0 | -16755.0 | 20.41 | 2220.94 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jamde Wind 220kV | 09/01/2020 21:45:00 | 88 | 82087.5 | 17162.5 | 0.0 | -17162.5 | 20.91 | 2424.69 | -2.303 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 22:00:00 | 89 | 82087.5 | 10330.0 | 0.0 | -10330.0 | 12.58 | 0.00 | -2.795 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 22:15:00 | 90 | 82087.5 | 10390.0 | 0.0 | -10390.0 | 12.66 | 0.00 | -3.674 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 22:30:00 | 91 | 82087.5 | 10380.0 | 0.0 | -10380.0 | 12.65 | 0.00 | -2.303 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 22:45:00 | 92 | 82087.5 | 10395.0 | 0.0 | -10395.0 | 12.66 | 0.00 | -1.152 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 23:00:00 | 93 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | 0.000 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 23:15:00 | 94 | 82087.5 | 10387.5 | 0.0 | -10387.5 | 12.65 | 0.00 | -0.576 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 23:30:00 | 95 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | -0.576 | 0.000000 |
| Jamde Wind 220kV | 09/01/2020 23:45:00 | 96 | 82087.5 | 10517.5 | 0.0 | -10517.5 | 12.81 | 0.00 | -0.987 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 00:00:00 | 1 | 82087.5 | 10620.0 | 0.0 | -10620.0 | 12.94 | 0.00 | -0.680 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 00:15:00 | 2 | 82087.5 | 10562.5 | 0.0 | -10562.5 | 12.87 | 0.00 | -3.326 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 00:30:00 | 3 | 82087.5 | 10395.0 | 0.0 | -10395.0 | 12.66 | 0.00 | -2.992 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 00:45:00 | 4 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | -0.532 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 01:00:00 | 5 | 82087.5 | 10387.5 | 0.0 | -10387.5 | 12.65 | 0.00 | -0.713 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 01:15:00 | 6 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | -0.548 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 01:30:00 | 7 | 82087.5 | 10517.5 | 0.0 | -10517.5 | 12.81 | 0.00 | -2.658 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 01:45:00 | 8 | 82087.5 | 15830.0 | 0.0 | -15830.0 | 19.28 | 1758.44 | 2.127 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 02:00:00 | 9 | 82087.5 | 15837.5 | 0.0 | -15837.5 | 19.29 | 1762.19 | 5.342 | 31031.519143 |
| Jamde Wind 220kV | 10/01/2020 02:15:00 | 10 | 82087.5 | 15627.5 | 0.0 | -15627.5 | 19.04 | 1657.19 | 1.595 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 02:30:00 | 11 | 82087.5 | 18830.0 | 0.0 | -18830.0 | 22.94 | 3258.44 | 3.326 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 02:45:00 | 12 | 82087.5 | 18912.5 | 0.0 | -18912.5 | 23.04 | 3299.69 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jamde Wind 220kV | 10/01/2020 03:00:00 | 13 | 82087.5 | 18562.5 | 0.0 | -18562.5 | 22.61 | 3124.69 | 2.658 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 03:15:00 | 14 | 82087.5 | 18405.0 | 0.0 | -18405.0 | 22.42 | 3045.94 | 2.127 | 2918.347932 |
| Jamde Wind 220kV | 10/01/2020 03:30:00 | 15 | 82087.5 | 18300.0 | 0.0 | -18300.0 | 22.29 | 2993.44 | 2.127 | 3440.229671 |
| Jamde Wind 220kV | 10/01/2020 03:45:00 | 16 | 82087.5 | 18315.0 | 0.0 | -18315.0 | 22.31 | 3000.94 | -1.063 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 04:00:00 | 17 | 82087.5 | 15587.5 | 0.0 | -15587.5 | 18.99 | 1637.19 | 1.595 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 04:15:00 | 18 | 82087.5 | 15587.5 | 0.0 | -15587.5 | 18.99 | 1637.19 | 3.326 | 9268.934160 |
| Jamde Wind 220kV | 10/01/2020 04:30:00 | 19 | 82087.5 | 15330.0 | 0.0 | -15330.0 | 18.68 | 1508.44 | 3.326 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 04:45:00 | 20 | 82087.5 | 15312.5 | 0.0 | -15312.5 | 18.65 | 1499.69 | 2.127 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 05:00:00 | 21 | 82087.5 | 15337.5 | 0.0 | -15337.5 | 18.68 | 1512.19 | 2.992 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 05:15:00 | 22 | 82087.5 | 15155.0 | 0.0 | -15155.0 | 18.46 | 1420.94 | 1.063 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 05:30:00 | 23 | 82087.5 | 15087.5 | 0.0 | -15087.5 | 18.38 | 1387.19 | -2.658 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 05:45:00 | 24 | 82087.5 | 14905.0 | 0.0 | -14905.0 | 18.16 | 1295.94 | 2.127 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 06:00:00 | 25 | 82087.5 | 14662.5 | 0.0 | -14662.5 | 17.86 | 1174.69 | -2.127 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 06:15:00 | 26 | 82087.5 | 14155.0 | 0.0 | -14155.0 | 17.24 | 920.94 | 2.658 | 3590.966994 |
| Jamde Wind 220kV | 10/01/2020 06:30:00 | 27 | 82087.5 | 14087.5 | 0.0 | -14087.5 | 17.16 | 887.19 | -2.992 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 06:45:00 | 28 | 82087.5 | 13905.0 | 0.0 | -13905.0 | 16.94 | 795.94 | -3.077 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 07:00:00 | 29 | 82087.5 | 13590.0 | 0.0 | -13590.0 | 16.56 | 638.44 | -0.687 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 07:15:00 | 30 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | -2.658 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 07:30:00 | 31 | 82087.5 | 10395.0 | 0.0 | -10395.0 | 12.66 | 0.00 | -1.063 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 07:45:00 | 32 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | -2.658 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 08:00:00 | 33 | 82087.5 | 10387.5 | 0.0 | -10387.5 | 12.65 | 0.00 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jamde Wind 220kV | 10/01/2020 08:15:00 | 34 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | -4.661 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 08:30:00 | 35 | 82087.5 | 10517.5 | 0.0 | -10517.5 | 12.81 | 0.00 | 5.663 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 08:45:00 | 36 | 82087.5 | 10517.5 | 0.0 | -10517.5 | 12.81 | 0.00 | 4.328 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 09:00:00 | 37 | 82087.5 | 10462.5 | 0.0 | -10462.5 | 12.75 | 0.00 | -4.995 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 09:15:00 | 38 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | -4.327 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 09:30:00 | 39 | 82087.5 | 10517.5 | 0.0 | -10517.5 | 12.81 | 0.00 | -2.127 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 09:45:00 | 40 | 82087.5 | 10495.0 | 0.0 | -10495.0 | 12.79 | 0.00 | -1.152 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 10:00:00 | 41 | 82087.5 | 10437.5 | 0.0 | -10437.5 | 12.72 | 0.00 | 0.000 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 10:15:00 | 42 | 82087.5 | 10395.0 | 0.0 | -10395.0 | 12.66 | 0.00 | -0.532 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 10:30:00 | 43 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | -1.063 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 10:45:00 | 44 | 82087.5 | 10517.5 | 0.0 | -10517.5 | 12.81 | 0.00 | 0.000 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 11:00:00 | 45 | 82087.5 | 10587.5 | 0.0 | -10587.5 | 12.9 | 0.00 | 2.658 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 11:15:00 | 46 | 82087.5 | 10487.5 | 0.0 | -10487.5 | 12.78 | 0.00 | 0.000 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 11:30:00 | 47 | 82087.5 | 10642.5 | 0.0 | -10642.5 | 12.96 | 0.00 | -1.595 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 11:45:00 | 48 | 82087.5 | 10620.0 | 0.0 | -10620.0 | 12.94 | 0.00 | 2.992 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 12:00:00 | 49 | 82087.5 | 12062.5 | 0.0 | -12062.5 | 14.69 | 0.00 | 0.000 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 12:15:00 | 50 | 82087.5 | 11895.0 | 0.0 | -11895.0 | 14.49 | 0.00 | 2.127 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 12:30:00 | 51 | 82087.5 | 11862.5 | 0.0 | -11862.5 | 14.45 | 0.00 | 1.595 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 12:45:00 | 52 | 82087.5 | 11887.5 | 0.0 | -11887.5 | 14.48 | 0.00 | -1.063 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 13:00:00 | 53 | 82087.5 | 11862.5 | 0.0 | -11862.5 | 14.45 | 0.00 | 2.658 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 13:15:00 | 54 | 82087.5 | 11887.5 | 0.0 | -11887.5 | 14.48 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jamde Wind 220kV | 10/01/2020 13:30:00 | 55 | 82087.5 | 11937.5 | 0.0 | -11937.5 | 14.54 | 0.00 | 2.127 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 13:45:00 | 56 | 82087.5 | 11895.0 | 0.0 | -11895.0 | 14.49 | 0.00 | -3.326 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 14:00:00 | 57 | 82087.5 | 11862.5 | 0.0 | -11862.5 | 14.45 | 0.00 | -2.992 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 14:15:00 | 58 | 82087.5 | 11895.0 | 0.0 | -11895.0 | 14.49 | 0.00 | 3.660 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 14:30:00 | 59 | 82087.5 | 11862.5 | 0.0 | -11862.5 | 14.45 | 0.00 | -2.127 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 14:45:00 | 60 | 82087.5 | 11887.5 | 0.0 | -11887.5 | 14.48 | 0.00 | -2.127 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 15:00:00 | 61 | 82087.5 | 11862.5 | 0.0 | -11862.5 | 14.45 | 0.00 | 0.000 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 15:15:00 | 62 | 82087.5 | 12017.5 | 0.0 | -12017.5 | 14.64 | 0.00 | -2.992 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 15:30:00 | 63 | 82087.5 | 12017.5 | 0.0 | -12017.5 | 14.64 | 0.00 | -4.995 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 15:45:00 | 64 | 82087.5 | 11962.5 | 0.0 | -11962.5 | 14.57 | 0.00 | -4.327 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 16:00:00 | 65 | 82087.5 | 11862.5 | 0.0 | -11862.5 | 14.45 | 0.00 | -4.995 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 16:15:00 | 66 | 82087.5 | 12017.5 | 0.0 | -12017.5 | 14.64 | 0.00 | -8.000 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 16:30:00 | 67 | 82087.5 | 11995.0 | 0.0 | -11995.0 | 14.61 | 0.00 | -8.000 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 16:45:00 | 68 | 82087.5 | 11937.5 | 0.0 | -11937.5 | 14.54 | 0.00 | 4.327 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 17:00:00 | 69 | 82087.5 | 11895.0 | 0.0 | -11895.0 | 14.49 | 0.00 | 0.532 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 17:15:00 | 70 | 82087.5 | 11862.5 | 0.0 | -11862.5 | 14.45 | 0.00 | -1.595 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 17:30:00 | 71 | 82087.5 | 11887.5 | 0.0 | -11887.5 | 14.48 | 0.00 | -2.658 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 17:45:00 | 72 | 82087.5 | 11937.5 | 0.0 | -11937.5 | 14.54 | 0.00 | -2.127 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 18:00:00 | 73 | 82087.5 | 11895.0 | 0.0 | -11895.0 | 14.49 | 0.00 | -1.461 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 18:15:00 | 74 | 82087.5 | 11862.5 | 0.0 | -11862.5 | 14.45 | 0.00 | 3.326 | 4168.674623 |
| Jamde Wind 220kV | 10/01/2020 18:30:00 | 75 | 82087.5 | 11895.0 | 0.0 | -11895.0 | 14.49 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jamde Wind 220kV | 10/01/2020 18:45:00 | 76 | 82087.5 | 11862.5 | 0.0 | -11862.5 | 14.45 | 0.00 | 3.994 | 1980.140561 |
| Jamde Wind 220kV | 10/01/2020 19:00:00 | 77 | 82087.5 | 11887.5 | 0.0 | -11887.5 | 14.48 | 0.00 | -2.127 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 19:15:00 | 78 | 82087.5 | 11862.5 | 0.0 | -11862.5 | 14.45 | 0.00 | -2.658 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 19:30:00 | 79 | 82087.5 | 12017.5 | 0.0 | -12017.5 | 14.64 | 0.00 | -3.660 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 19:45:00 | 80 | 82087.5 | 12017.5 | 0.0 | -12017.5 | 14.64 | 0.00 | -3.326 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 20:00:00 | 81 | 82087.5 | 11962.5 | 0.0 | -11962.5 | 14.57 | 0.00 | 3.660 | 2916.084878 |
| Jamde Wind 220kV | 10/01/2020 20:15:00 | 82 | 82087.5 | 11862.5 | 0.0 | -11862.5 | 14.45 | 0.00 | 3.660 | 12418.276010 |
| Jamde Wind 220kV | 10/01/2020 20:30:00 | 83 | 82087.5 | 12017.5 | 0.0 | -12017.5 | 14.64 | 0.00 | 4.995 | 17859.939794 |
| Jamde Wind 220kV | 10/01/2020 20:45:00 | 84 | 82087.5 | 11995.0 | 0.0 | -11995.0 | 14.61 | 0.00 | 2.992 | 12605.899812 |
| Jamde Wind 220kV | 10/01/2020 21:00:00 | 85 | 82087.5 | 11937.5 | 0.0 | -11937.5 | 14.54 | 0.00 | -3.660 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 21:15:00 | 86 | 82087.5 | 11895.0 | 0.0 | -11895.0 | 14.49 | 0.00 | -1.595 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 21:30:00 | 87 | 82087.5 | 11862.5 | 0.0 | -11862.5 | 14.45 | 0.00 | -1.063 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 21:45:00 | 88 | 82087.5 | 11887.5 | 0.0 | -11887.5 | 14.48 | 0.00 | -0.532 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 22:00:00 | 89 | 82087.5 | 11937.5 | 0.0 | -11937.5 | 14.54 | 0.00 | -1.595 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 22:15:00 | 90 | 82087.5 | 11895.0 | 0.0 | -11895.0 | 14.49 | 0.00 | -2.127 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 22:30:00 | 91 | 82087.5 | 11862.5 | 0.0 | -11862.5 | 14.45 | 0.00 | 1.063 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 22:45:00 | 92 | 82087.5 | 11895.0 | 0.0 | -11895.0 | 14.49 | 0.00 | -2.658 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 23:00:00 | 93 | 82087.5 | 11862.5 | 0.0 | -11862.5 | 14.45 | 0.00 | -2.658 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 23:15:00 | 94 | 82087.5 | 11887.5 | 0.0 | -11887.5 | 14.48 | 0.00 | 0.000 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 23:30:00 | 95 | 82087.5 | 11862.5 | 0.0 | -11862.5 | 14.45 | 0.00 | 0.000 | 0.000000 |
| Jamde Wind 220kV | 10/01/2020 23:45:00 | 96 | 82087.5 | 12017.5 | 0.0 | -12017.5 | 14.64 | 0.00 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jamde Wind 220kV | 11/01/2020 00:00:00 | 1 | 82087.5 | 10620.0 | 0.0 | -10620.0 | 12.94 | 0.00 | 0.000 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 00:15:00 | 2 | 82087.5 | 10562.5 | 0.0 | -10562.5 | 12.87 | 0.00 | -2.629 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 00:30:00 | 3 | 82087.5 | 10395.0 | 0.0 | -10395.0 | 12.66 | 0.00 | -1.577 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 00:45:00 | 4 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | 2.103 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 01:00:00 | 5 | 82087.5 | 10387.5 | 0.0 | -10387.5 | 12.65 | 0.00 | 2.964 | 4880.183863 |
| Jamde Wind 220kV | 11/01/2020 01:15:00 | 6 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | 1.052 | 683.425747 |
| Jamde Wind 220kV | 11/01/2020 01:30:00 | 7 | 82087.5 | 10517.5 | 0.0 | -10517.5 | 12.81 | 0.00 | 1.577 | 1234.962626 |
| Jamde Wind 220kV | 11/01/2020 01:45:00 | 8 | 82087.5 | 10462.5 | 0.0 | -10462.5 | 12.75 | 0.00 | -0.526 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 02:00:00 | 9 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | -0.403 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 02:15:00 | 10 | 82087.5 | 10517.5 | 0.0 | -10517.5 | 12.81 | 0.00 | -0.630 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 02:30:00 | 11 | 82087.5 | 10620.0 | 0.0 | -10620.0 | 12.94 | 0.00 | -0.526 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 02:45:00 | 12 | 82087.5 | 10562.5 | 0.0 | -10562.5 | 12.87 | 0.00 | -0.526 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 03:00:00 | 13 | 82087.5 | 10395.0 | 0.0 | -10395.0 | 12.66 | 0.00 | -1.051 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 03:15:00 | 14 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | 0.000 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 03:30:00 | 15 | 82087.5 | 10387.5 | 0.0 | -10387.5 | 12.65 | 0.00 | 0.000 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 03:45:00 | 16 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | 0.000 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 04:00:00 | 17 | 82087.5 | 10517.5 | 0.0 | -10517.5 | 12.81 | 0.00 | 0.000 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 04:15:00 | 18 | 82087.5 | 10462.5 | 0.0 | -10462.5 | 12.75 | 0.00 | -1.051 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 04:30:00 | 19 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | -2.964 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 04:45:00 | 20 | 82087.5 | 10517.5 | 0.0 | -10517.5 | 12.81 | 0.00 | -3.300 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 05:00:00 | 21 | 82087.5 | 10495.0 | 0.0 | -10495.0 | 12.79 | 0.00 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jamde Wind 220kV | 11/01/2020 05:15:00 | 22 | 82087.5 | 10437.5 | 0.0 | -10437.5 | 12.72 | 0.00 | 5.314 | 13078.127473 |
| Jamde Wind 220kV | 11/01/2020 05:30:00 | 23 | 82087.5 | 10395.0 | 0.0 | -10395.0 | 12.66 | 0.00 | 2.964 | 6293.666370 |
| Jamde Wind 220kV | 11/01/2020 05:45:00 | 24 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | 2.103 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 06:00:00 | 25 | 82087.5 | 10395.0 | 0.0 | -10395.0 | 12.66 | 0.00 | 3.636 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 06:15:00 | 26 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | 2.964 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 06:30:00 | 27 | 82087.5 | 10387.5 | 0.0 | -10387.5 | 12.65 | 0.00 | 4.105 | 7630.973723 |
| Jamde Wind 220kV | 11/01/2020 06:45:00 | 28 | 82087.5 | 10437.5 | 0.0 | -10437.5 | 12.72 | 0.00 | 5.650 | 1614.183463 |
| Jamde Wind 220kV | 11/01/2020 07:00:00 | 29 | 82087.5 | 10395.0 | 0.0 | -10395.0 | 12.66 | 0.00 | 3.300 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 07:15:00 | 30 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | 5.314 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 07:30:00 | 31 | 82087.5 | 10395.0 | 0.0 | -10395.0 | 12.66 | 0.00 | 2.964 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 07:45:00 | 32 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | 2.103 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 08:00:00 | 33 | 82087.5 | 10387.5 | 0.0 | -10387.5 | 12.65 | 0.00 | -1.577 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 08:15:00 | 34 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | 3.300 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 08:30:00 | 35 | 82087.5 | 10517.5 | 0.0 | -10517.5 | 12.81 | 0.00 | 2.116 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 08:45:00 | 36 | 82087.5 | 10517.5 | 0.0 | -10517.5 | 12.81 | 0.00 | 2.964 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 09:00:00 | 37 | 82087.5 | 10462.5 | 0.0 | -10462.5 | 12.75 | 0.00 | 6.681 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 09:15:00 | 38 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | 6.657 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 09:30:00 | 39 | 82087.5 | 10517.5 | 0.0 | -10517.5 | 12.81 | 0.00 | -6.322 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 09:45:00 | 40 | 82087.5 | 10495.0 | 0.0 | -10495.0 | 12.79 | 0.00 | -2.103 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 10:00:00 | 41 | 82087.5 | 10437.5 | 0.0 | -10437.5 | 12.72 | 0.00 | 0.526 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 10:15:00 | 42 | 82087.5 | 10395.0 | 0.0 | -10395.0 | 12.66 | 0.00 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jamde Wind 220kV | 11/01/2020 10:30:00 | 43 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | 0.000 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 10:45:00 | 44 | 82087.5 | 10517.5 | 0.0 | -10517.5 | 12.81 | 0.00 | 0.000 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 11:00:00 | 45 | 82087.5 | 10587.5 | 0.0 | -10587.5 | 12.9 | 0.00 | 0.000 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 11:15:00 | 46 | 82087.5 | 10487.5 | 0.0 | -10487.5 | 12.78 | 0.00 | -2.964 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 11:30:00 | 47 | 82087.5 | 10642.5 | 0.0 | -10642.5 | 12.96 | 0.00 | -4.307 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 11:45:00 | 48 | 82087.5 | 10620.0 | 0.0 | -10620.0 | 12.94 | 0.00 | -3.300 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 12:00:00 | 49 | 82087.5 | 10562.5 | 0.0 | -10562.5 | 12.87 | 0.00 | -0.526 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 12:15:00 | 50 | 82087.5 | 10395.0 | 0.0 | -10395.0 | 12.66 | 0.00 | -2.103 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 12:30:00 | 51 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | -2.629 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 12:45:00 | 52 | 82087.5 | 10387.5 | 0.0 | -10387.5 | 12.65 | 0.00 | -2.629 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 13:00:00 | 53 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | 0.000 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 13:15:00 | 54 | 82087.5 | 10387.5 | 0.0 | -10387.5 | 12.65 | 0.00 | -2.103 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 13:30:00 | 55 | 82087.5 | 10437.5 | 0.0 | -10437.5 | 12.72 | 0.00 | 2.629 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 13:45:00 | 56 | 82087.5 | 10395.0 | 0.0 | -10395.0 | 12.66 | 0.00 | 2.103 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 14:00:00 | 57 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | 1.051 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 14:15:00 | 58 | 82087.5 | 10395.0 | 0.0 | -10395.0 | 12.66 | 0.00 | 3.300 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 14:30:00 | 59 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | -3.636 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 14:45:00 | 60 | 82087.5 | 10387.5 | 0.0 | -10387.5 | 12.65 | 0.00 | 4.979 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 15:00:00 | 61 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | -2.964 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 15:15:00 | 62 | 82087.5 | 10517.5 | 0.0 | -10517.5 | 12.81 | 0.00 | -5.314 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 15:30:00 | 63 | 82087.5 | 10517.5 | 0.0 | -10517.5 | 12.81 | 0.00 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jamde Wind 220kV | 11/01/2020 15:45:00 | 64 | 82087.5 | 10462.5 | 0.0 | -10462.5 | 12.75 | 0.00 | 4.643 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 16:00:00 | 65 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | 2.103 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 16:15:00 | 66 | 82087.5 | 10517.5 | 0.0 | -10517.5 | 12.81 | 0.00 | -2.964 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 16:30:00 | 67 | 82087.5 | 10495.0 | 0.0 | -10495.0 | 12.79 | 0.00 | -2.103 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 16:45:00 | 68 | 82087.5 | 10437.5 | 0.0 | -10437.5 | 12.72 | 0.00 | 3.972 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 17:00:00 | 69 | 82087.5 | 10395.0 | 0.0 | -10395.0 | 12.66 | 0.00 | -1.577 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 17:15:00 | 70 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | -1.577 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 17:30:00 | 71 | 82087.5 | 10387.5 | 0.0 | -10387.5 | 12.65 | 0.00 | 1.051 | 132.537691 |
| Jamde Wind 220kV | 11/01/2020 17:45:00 | 72 | 82087.5 | 10437.5 | 0.0 | -10437.5 | 12.72 | 0.00 | -2.103 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 18:00:00 | 73 | 82087.5 | 10395.0 | 0.0 | -10395.0 | 12.66 | 0.00 | -2.964 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 18:15:00 | 74 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | -2.629 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 18:30:00 | 75 | 82087.5 | 10395.0 | 0.0 | -10395.0 | 12.66 | 0.00 | 2.103 | 365.410172 |
| Jamde Wind 220kV | 11/01/2020 18:45:00 | 76 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | 0.526 | 1066.579288 |
| Jamde Wind 220kV | 11/01/2020 19:00:00 | 77 | 82087.5 | 10387.5 | 0.0 | -10387.5 | 12.65 | 0.00 | 2.103 | 4246.374213 |
| Jamde Wind 220kV | 11/01/2020 19:15:00 | 78 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | -1.052 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 19:30:00 | 79 | 82087.5 | 10517.5 | 0.0 | -10517.5 | 12.81 | 0.00 | 2.964 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 19:45:00 | 80 | 82087.5 | 10517.5 | 0.0 | -10517.5 | 12.81 | 0.00 | 2.629 | 7823.304586 |
| Jamde Wind 220kV | 11/01/2020 20:00:00 | 81 | 82087.5 | 10462.5 | 0.0 | -10462.5 | 12.75 | 0.00 | 2.629 | 1701.523848 |
| Jamde Wind 220kV | 11/01/2020 20:15:00 | 82 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | 4.307 | 5557.153101 |
| Jamde Wind 220kV | 11/01/2020 20:30:00 | 83 | 82087.5 | 10517.5 | 0.0 | -10517.5 | 12.81 | 0.00 | 2.964 | 14461.679416 |
| Jamde Wind 220kV | 11/01/2020 20:45:00 | 84 | 82087.5 | 10495.0 | 0.0 | -10495.0 | 12.79 | 0.00 | 2.629 | 12387.278525 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jamde Wind 220kV | 11/01/2020 21:00:00 | 85 | 82087.5 | 10437.5 | 0.0 | -10437.5 | 12.72 | 0.00 | 3.636 | 2237.466332 |
| Jamde Wind 220kV | 11/01/2020 21:15:00 | 86 | 82087.5 | 10395.0 | 0.0 | -10395.0 | 12.66 | 0.00 | -1.577 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 21:30:00 | 87 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | -1.577 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 21:45:00 | 88 | 82087.5 | 10387.5 | 0.0 | -10387.5 | 12.65 | 0.00 | -1.052 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 22:00:00 | 89 | 82087.5 | 10437.5 | 0.0 | -10437.5 | 12.72 | 0.00 | -5.650 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 22:15:00 | 90 | 82087.5 | 10395.0 | 0.0 | -10395.0 | 12.66 | 0.00 | -5.650 | 0.000000 |
| Jamde Wind 220kV | 11/01/2020 22:30:00 | 91 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | 4.979 | 4996.347886 |
| Jamde Wind 220kV | 11/01/2020 22:45:00 | 92 | 82087.5 | 10395.0 | 0.0 | -10395.0 | 12.66 | 0.00 | 2.964 | 6527.881938 |
| Jamde Wind 220kV | 11/01/2020 23:00:00 | 93 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | 1.577 | 1620.360742 |
| Jamde Wind 220kV | 11/01/2020 23:15:00 | 94 | 82087.5 | 10387.5 | 0.0 | -10387.5 | 12.65 | 0.00 | 1.074 | 1328.558123 |
| Jamde Wind 220kV | 11/01/2020 23:30:00 | 95 | 82087.5 | 10362.5 | 0.0 | -10362.5 | 12.62 | 0.00 | 2.113 | 5973.861261 |
| Jamde Wind 220kV | 11/01/2020 23:45:00 | 96 | 82087.5 | 10517.5 | 0.0 | -10517.5 | 12.81 | 0.00 | 2.162 | 7816.651844 |
| Jamde Wind 220kV | 12/01/2020 00:00:00 | 1 | 82087.5 | 11120.0 | 0.0 | -11120.0 | 13.55 | 0.00 | 3.022 | 6839.554398 |
| Jamde Wind 220kV | 12/01/2020 00:15:00 | 2 | 82087.5 | 11062.5 | 0.0 | -11062.5 | 13.48 | 0.00 | -2.152 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 00:30:00 | 3 | 82087.5 | 10895.0 | 0.0 | -10895.0 | 13.27 | 0.00 | -2.152 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 00:45:00 | 4 | 82087.5 | 10862.5 | 0.0 | -10862.5 | 13.23 | 0.00 | -3.022 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 01:00:00 | 5 | 82087.5 | 10887.5 | 0.0 | -10887.5 | 13.26 | 0.00 | -0.629 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 01:15:00 | 6 | 82087.5 | 10862.5 | 0.0 | -10862.5 | 13.23 | 0.00 | -3.317 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 01:30:00 | 7 | 82087.5 | 11017.5 | 0.0 | -11017.5 | 13.42 | 0.00 | -3.354 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 01:45:00 | 8 | 82087.5 | 10962.5 | 0.0 | -10962.5 | 13.35 | 0.00 | -3.022 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 02:00:00 | 9 | 82087.5 | 10862.5 | 0.0 | -10862.5 | 13.23 | 0.00 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jamde Wind 220kV | 12/01/2020 02:15:00 | 10 | 82087.5 | 11017.5 | 0.0 | -11017.5 | 13.42 | 0.00 | -3.022 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 02:30:00 | 11 | 82087.5 | 11120.0 | 0.0 | -11120.0 | 13.55 | 0.00 | -2.690 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 02:45:00 | 12 | 82087.5 | 11062.5 | 0.0 | -11062.5 | 13.48 | 0.00 | -3.022 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 03:00:00 | 13 | 82087.5 | 10895.0 | 0.0 | -10895.0 | 13.27 | 0.00 | 3.354 | 5158.641297 |
| Jamde Wind 220kV | 12/01/2020 03:15:00 | 14 | 82087.5 | 10862.5 | 0.0 | -10862.5 | 13.23 | 0.00 | 3.022 | 6307.473495 |
| Jamde Wind 220kV | 12/01/2020 03:30:00 | 15 | 82087.5 | 10887.5 | 0.0 | -10887.5 | 13.26 | 0.00 | 3.354 | 2344.836642 |
| Jamde Wind 220kV | 12/01/2020 03:45:00 | 16 | 82087.5 | 10862.5 | 0.0 | -10862.5 | 13.23 | 0.00 | 2.152 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 04:00:00 | 17 | 82087.5 | 11017.5 | 0.0 | -11017.5 | 13.42 | 0.00 | -2.152 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 04:15:00 | 18 | 82087.5 | 10962.5 | 0.0 | -10962.5 | 13.35 | 0.00 | -3.022 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 04:30:00 | 19 | 82087.5 | 10862.5 | 0.0 | -10862.5 | 13.23 | 0.00 | 1.076 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 04:45:00 | 20 | 82087.5 | 11017.5 | 0.0 | -11017.5 | 13.42 | 0.00 | -3.022 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 05:00:00 | 21 | 82087.5 | 10995.0 | 0.0 | -10995.0 | 13.39 | 0.00 | 3.686 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 05:15:00 | 22 | 82087.5 | 10937.5 | 0.0 | -10937.5 | 13.32 | 0.00 | 3.686 | 12067.021640 |
| Jamde Wind 220kV | 12/01/2020 05:30:00 | 23 | 82087.5 | 10895.0 | 0.0 | -10895.0 | 13.27 | 0.00 | -1.614 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 05:45:00 | 24 | 82087.5 | 10862.5 | 0.0 | -10862.5 | 13.23 | 0.00 | -0.496 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 06:00:00 | 25 | 82087.5 | 10895.0 | 0.0 | -10895.0 | 13.27 | 0.00 | 0.000 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 06:15:00 | 26 | 82087.5 | 10862.5 | 0.0 | -10862.5 | 13.23 | 0.00 | -0.430 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 06:30:00 | 27 | 82087.5 | 10887.5 | 0.0 | -10887.5 | 13.26 | 0.00 | -2.152 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 06:45:00 | 28 | 82087.5 | 10937.5 | 0.0 | -10937.5 | 13.32 | 0.00 | 4.681 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 07:00:00 | 29 | 82087.5 | 10895.0 | 0.0 | -10895.0 | 13.27 | 0.00 | 1.614 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 07:15:00 | 30 | 82087.5 | 10862.5 | 0.0 | -10862.5 | 13.23 | 0.00 | 3.838 | 8990.417961 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jamde Wind 220kV | 12/01/2020 07:30:00 | 31 | 82087.5 | 10895.0 | 0.0 | -10895.0 | 13.27 | 0.00 | 3.022 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 07:45:00 | 32 | 82087.5 | 10862.5 | 0.0 | -10862.5 | 13.23 | 0.00 | 2.690 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 08:00:00 | 33 | 82087.5 | 10887.5 | 0.0 | -10887.5 | 13.26 | 0.00 | -2.690 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 08:15:00 | 34 | 82087.5 | 10862.5 | 0.0 | -10862.5 | 13.23 | 0.00 | -4.018 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 08:30:00 | 35 | 82087.5 | 11017.5 | 0.0 | -11017.5 | 13.42 | 0.00 | -2.690 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 08:45:00 | 36 | 82087.5 | 11017.5 | 0.0 | -11017.5 | 13.42 | 0.00 | 3.022 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 09:00:00 | 37 | 82087.5 | 10962.5 | 0.0 | -10962.5 | 13.35 | 0.00 | -3.354 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 09:15:00 | 38 | 82087.5 | 10862.5 | 0.0 | -10862.5 | 13.23 | 0.00 | -4.350 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 09:30:00 | 39 | 82087.5 | 11017.5 | 0.0 | -11017.5 | 13.42 | 0.00 | 2.152 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 09:45:00 | 40 | 82087.5 | 10995.0 | 0.0 | -10995.0 | 13.39 | 0.00 | -2.690 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 10:00:00 | 41 | 82087.5 | 10937.5 | 0.0 | -10937.5 | 13.32 | 0.00 | -3.354 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 10:15:00 | 42 | 82087.5 | 10895.0 | 0.0 | -10895.0 | 13.27 | 0.00 | -3.686 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 10:30:00 | 43 | 82087.5 | 8862.5 | 0.0 | -8862.5 | 10.8 | 0.00 | -1.614 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 10:45:00 | 44 | 82087.5 | 8912.5 | 0.0 | -8912.5 | 10.86 | 0.00 | 3.686 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 11:00:00 | 45 | 82087.5 | 9087.5 | 0.0 | -9087.5 | 11.07 | 0.00 | -3.354 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 11:15:00 | 46 | 82087.5 | 8987.5 | 0.0 | -8987.5 | 10.95 | 0.00 | -5.450 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 11:30:00 | 47 | 82087.5 | 9142.5 | 0.0 | -9142.5 | 11.14 | 0.00 | -6.009 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 11:45:00 | 48 | 82087.5 | 9120.0 | 0.0 | -9120.0 | 11.11 | 0.00 | 2.690 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 12:00:00 | 49 | 82087.5 | 9062.5 | 0.0 | -9062.5 | 11.04 | 0.00 | 3.686 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 12:15:00 | 50 | 82087.5 | 8895.0 | 0.0 | -8895.0 | 10.84 | 0.00 | -5.345 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 12:30:00 | 51 | 82087.5 | 8862.5 | 0.0 | -8862.5 | 10.8 | 0.00 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jamde Wind 220kV | 12/01/2020 12:45:00 | 52 | 82087.5 | 8887.5 | 0.0 | -8887.5 | 10.83 | 0.00 | -5.345 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 13:00:00 | 53 | 82087.5 | 8862.5 | 0.0 | -8862.5 | 10.8 | 0.00 | -3.999 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 13:15:00 | 54 | 82087.5 | 8887.5 | 0.0 | -8887.5 | 10.83 | 0.00 | -4.350 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 13:30:00 | 55 | 82087.5 | 8937.5 | 0.0 | -8937.5 | 10.89 | 0.00 | -1.076 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 13:45:00 | 56 | 82087.5 | 8895.0 | 0.0 | -8895.0 | 10.84 | 0.00 | -2.690 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 14:00:00 | 57 | 82087.5 | 8862.5 | 0.0 | -8862.5 | 10.8 | 0.00 | -0.538 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 14:15:00 | 58 | 82087.5 | 8895.0 | 0.0 | -8895.0 | 10.84 | 0.00 | -2.152 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 14:30:00 | 59 | 82087.5 | 8862.5 | 0.0 | -8862.5 | 10.8 | 0.00 | -2.690 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 14:45:00 | 60 | 82087.5 | 8887.5 | 0.0 | -8887.5 | 10.83 | 0.00 | -1.076 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 15:00:00 | 61 | 82087.5 | 8862.5 | 0.0 | -8862.5 | 10.8 | 0.00 | 0.000 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 15:15:00 | 62 | 82087.5 | 9017.5 | 0.0 | -9017.5 | 10.99 | 0.00 | -2.690 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 15:30:00 | 63 | 82087.5 | 9017.5 | 0.0 | -9017.5 | 10.99 | 0.00 | -3.022 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 15:45:00 | 64 | 82087.5 | 8962.5 | 0.0 | -8962.5 | 10.92 | 0.00 | -3.686 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 16:00:00 | 65 | 82087.5 | 8862.5 | 0.0 | -8862.5 | 10.8 | 0.00 | -3.737 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 16:15:00 | 66 | 82087.5 | 9017.5 | 0.0 | -9017.5 | 10.99 | 0.00 | -5.786 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 16:30:00 | 67 | 82087.5 | 8995.0 | 0.0 | -8995.0 | 10.96 | 0.00 | -4.350 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 16:45:00 | 68 | 82087.5 | 8937.5 | 0.0 | -8937.5 | 10.89 | 0.00 | -1.614 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 17:00:00 | 69 | 82087.5 | 8895.0 | 0.0 | -8895.0 | 10.84 | 0.00 | 0.000 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 17:15:00 | 70 | 82087.5 | 8862.5 | 0.0 | -8862.5 | 10.8 | 0.00 | 2.690 | 2297.636370 |
| Jamde Wind 220kV | 12/01/2020 17:30:00 | 71 | 82087.5 | 8887.5 | 0.0 | -8887.5 | 10.83 | 0.00 | -3.022 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 17:45:00 | 72 | 82087.5 | 8937.5 | 0.0 | -8937.5 | 10.89 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jamde Wind 220kV | 12/01/2020 18:00:00 | 73 | 82087.5 | 8895.0 | 0.0 | -8895.0 | 10.84 | 0.00 | -0.538 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 18:15:00 | 74 | 82087.5 | 8862.5 | 0.0 | -8862.5 | 10.8 | 0.00 | -4.350 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 18:30:00 | 75 | 82087.5 | 8895.0 | 0.0 | -8895.0 | 10.84 | 0.00 | 2.690 | 1529.629986 |
| Jamde Wind 220kV | 12/01/2020 18:45:00 | 76 | 82087.5 | 8862.5 | 0.0 | -8862.5 | 10.8 | 0.00 | 3.022 | 9818.464433 |
| Jamde Wind 220kV | 12/01/2020 19:00:00 | 77 | 82087.5 | 8887.5 | 0.0 | -8887.5 | 10.83 | 0.00 | 3.686 | 3162.679132 |
| Jamde Wind 220kV | 12/01/2020 19:15:00 | 78 | 82087.5 | 8862.5 | 0.0 | -8862.5 | 10.8 | 0.00 | 2.690 | 187.203081 |
| Jamde Wind 220kV | 12/01/2020 19:30:00 | 79 | 82087.5 | 9017.5 | 0.0 | -9017.5 | 10.99 | 0.00 | -3.022 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 19:45:00 | 80 | 82087.5 | 9017.5 | 0.0 | -9017.5 | 10.99 | 0.00 | -1.781 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 20:00:00 | 81 | 82087.5 | 8962.5 | 0.0 | -8962.5 | 10.92 | 0.00 | -3.021 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 20:15:00 | 82 | 82087.5 | 8862.5 | 0.0 | -8862.5 | 10.8 | 0.00 | -4.018 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 20:30:00 | 83 | 82087.5 | 9017.5 | 0.0 | -9017.5 | 10.99 | 0.00 | -3.354 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 20:45:00 | 84 | 82087.5 | 8995.0 | 0.0 | -8995.0 | 10.96 | 0.00 | -1.614 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 21:00:00 | 85 | 82087.5 | 8937.5 | 0.0 | -8937.5 | 10.89 | 0.00 | -4.350 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 21:15:00 | 86 | 82087.5 | 8895.0 | 0.0 | -8895.0 | 10.84 | 0.00 | -3.686 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 21:30:00 | 87 | 82087.5 | 8862.5 | 0.0 | -8862.5 | 10.8 | 0.00 | -1.614 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 21:45:00 | 88 | 82087.5 | 8887.5 | 0.0 | -8887.5 | 10.83 | 0.00 | 0.000 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 22:00:00 | 89 | 82087.5 | 8937.5 | 0.0 | -8937.5 | 10.89 | 0.00 | -3.354 | 0.000000 |
| Jamde Wind 220kV | 12/01/2020 22:15:00 | 90 | 82087.5 | 8895.0 | 0.0 | -8895.0 | 10.84 | 0.00 | 4.350 | 10860.357267 |
| Jamde Wind 220kV | 12/01/2020 22:30:00 | 91 | 82087.5 | 8862.5 | 0.0 | -8862.5 | 10.8 | 0.00 | 5.215 | 20407.117402 |
| Jamde Wind 220kV | 12/01/2020 22:45:00 | 92 | 82087.5 | 8895.0 | 0.0 | -8895.0 | 10.84 | 0.00 | 3.022 | 2005.019087 |
| Jamde Wind 220kV | 12/01/2020 23:00:00 | 93 | 82087.5 | 8862.5 | 0.0 | -8862.5 | 10.8 | 0.00 | 3.022 | 4375.616380 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jamde Wind 220kV | 12/01/2020 23:15:00 | 94 | 82087.5 | 8887.5 | 0.0 | -8887.5 | 10.83 | 0.00 | 2.152 | 4369.162703 |
| Jamde Wind 220kV | 12/01/2020 23:30:00 | 95 | 82087.5 | 8862.5 | 0.0 | -8862.5 | 10.8 | 0.00 | 2.152 | 2507.192795 |
| Jamde Wind 220kV | 12/01/2020 23:45:00 | 96 | 82087.5 | 9017.5 | 0.0 | -9017.5 | 10.99 | 0.00 | 2.152 | 2931.125883 |
| Jath 110 kV | 06/01/2020 00:00:00 | 1 | 17837.5 | 3975.0 | 0.0 | -3975.0 | 22.28 | 649.69 | 2.903 | 0.000000 |
| Jath 110 kV | 06/01/2020 00:15:00 | 2 | 17837.5 | 3872.5 | 0.0 | -3872.5 | 21.71 | 598.44 | 0.000 | 0.000000 |
| Jath 110 kV | 06/01/2020 00:30:00 | 3 | 17837.5 | 3770.0 | 0.0 | -3770.0 | 21.14 | 547.19 | 0.000 | 0.000000 |
| Jath 110 kV | 06/01/2020 00:45:00 | 4 | 17837.5 | 2535.0 | 0.0 | -2535.0 | 14.21 | 0.00 | -0.984 | 0.000000 |
| Jath 110 kV | 06/01/2020 01:00:00 | 5 | 17837.5 | 3697.5 | 0.0 | -3697.5 | 20.73 | 510.94 | -3.541 | 0.000000 |
| Jath 110 kV | 06/01/2020 01:15:00 | 6 | 17837.5 | 3562.5 | 0.0 | -3562.5 | 19.97 | 443.44 | 3.222 | 85.527666 |
| Jath 110 kV | 06/01/2020 01:30:00 | 7 | 17837.5 | 3457.5 | 0.0 | -3457.5 | 19.38 | 390.94 | 3.541 | 933.118204 |
| Jath 110 kV | 06/01/2020 01:45:00 | 8 | 17837.5 | 3147.5 | 0.0 | -3147.5 | 17.65 | 235.94 | 2.352 | 0.000000 |
| Jath 110 kV | 06/01/2020 02:00:00 | 9 | 17837.5 | 2190.0 | 0.0 | -2190.0 | 12.28 | 0.00 | 1.747 | 0.000000 |
| Jath 110 kV | 06/01/2020 02:15:00 | 10 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 0.581 | 0.000000 |
| Jath 110 kV | 06/01/2020 02:30:00 | 11 | 17837.5 | 2097.5 | 0.0 | -2097.5 | 11.76 | 0.00 | -2.323 | 0.000000 |
| Jath 110 kV | 06/01/2020 02:45:00 | 12 | 17837.5 | 2090.0 | 0.0 | -2090.0 | 11.72 | 0.00 | 2.323 | 0.000000 |
| Jath 110 kV | 06/01/2020 03:00:00 | 13 | 17837.5 | 2227.5 | 0.0 | -2227.5 | 12.49 | 0.00 | 2.323 | 0.000000 |
| Jath 110 kV | 06/01/2020 03:15:00 | 14 | 17837.5 | 2255.0 | 0.0 | -2255.0 | 12.64 | 0.00 | -1.742 | 0.000000 |
| Jath 110 kV | 06/01/2020 03:30:00 | 15 | 17837.5 | 2162.5 | 0.0 | -2162.5 | 12.12 | 0.00 | 3.222 | 0.000000 |
| Jath 110 kV | 06/01/2020 03:45:00 | 16 | 17837.5 | 2227.5 | 0.0 | -2227.5 | 12.49 | 0.00 | 3.541 | 0.000000 |
| Jath 110 kV | 06/01/2020 04:00:00 | 17 | 17837.5 | 2245.0 | 0.0 | -2245.0 | 12.59 | 0.00 | 4.496 | 0.000000 |
| Jath 110 kV | 06/01/2020 04:15:00 | 18 | 17837.5 | 2242.5 | 0.0 | -2242.5 | 12.57 | 0.00 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jath 110 kV | 06/01/2020 04:30:00 | 19 | 17837.5 | 2245.0 | 0.0 | -2245.0 | 12.59 | 0.00 | 3.859 | 0.000000 |
| Jath 110 kV | 06/01/2020 04:45:00 | 20 | 17837.5 | 5572.5 | 0.0 | -5572.5 | 31.24 | 2005.00 | 4.815 | 0.000000 |
| Jath 110 kV | 06/01/2020 05:00:00 | 21 | 17837.5 | 5560.0 | 0.0 | -5560.0 | 31.17 | 1992.50 | 3.859 | 2438.509887 |
| Jath 110 kV | 06/01/2020 05:15:00 | 22 | 17837.5 | 5532.5 | 0.0 | -5532.5 | 31.02 | 1965.00 | 6.407 | 4380.545814 |
| Jath 110 kV | 06/01/2020 05:30:00 | 23 | 17837.5 | 5502.5 | 0.0 | -5502.5 | 30.85 | 1935.00 | 6.496 | 6449.859185 |
| Jath 110 kV | 06/01/2020 05:45:00 | 24 | 17837.5 | 5560.0 | 0.0 | -5560.0 | 31.17 | 1992.50 | 7.492 | 3521.987653 |
| Jath 110 kV | 06/01/2020 06:00:00 | 25 | 17837.5 | 4120.0 | 0.0 | -4120.0 | 23.1 | 722.19 | -5.452 | 0.000000 |
| Jath 110 kV | 06/01/2020 06:15:00 | 26 | 17837.5 | 4010.0 | 0.0 | -4010.0 | 22.48 | 667.19 | -6.089 | 0.000000 |
| Jath 110 kV | 06/01/2020 06:30:00 | 27 | 17837.5 | 3935.0 | 0.0 | -3935.0 | 22.06 | 629.69 | -7.044 | 0.000000 |
| Jath 110 kV | 06/01/2020 06:45:00 | 28 | 17837.5 | 3872.5 | 0.0 | -3872.5 | 21.71 | 598.44 | 7.682 | 0.000000 |
| Jath 110 kV | 06/01/2020 07:00:00 | 29 | 17837.5 | 3770.0 | 0.0 | -3770.0 | 21.14 | 547.19 | -3.859 | 0.000000 |
| Jath 110 kV | 06/01/2020 07:15:00 | 30 | 17837.5 | 3697.5 | 0.0 | -3697.5 | 20.73 | 510.94 | 4.815 | 1835.875651 |
| Jath 110 kV | 06/01/2020 07:30:00 | 31 | 17837.5 | 3562.5 | 0.0 | -3562.5 | 19.97 | 443.44 | 4.178 | 0.000000 |
| Jath 110 kV | 06/01/2020 07:45:00 | 32 | 17837.5 | 3622.5 | 0.0 | -3622.5 | 20.31 | 473.44 | -3.540 | 0.000000 |
| Jath 110 kV | 06/01/2020 08:00:00 | 33 | 17837.5 | 3707.5 | 0.0 | -3707.5 | 20.78 | 515.94 | -3.859 | 0.000000 |
| Jath 110 kV | 06/01/2020 08:15:00 | 34 | 17837.5 | 3695.0 | 0.0 | -3695.0 | 20.71 | 509.69 | -5.452 | 0.000000 |
| Jath 110 kV | 06/01/2020 08:30:00 | 35 | 17837.5 | 3667.5 | 0.0 | -3667.5 | 20.56 | 495.94 | 4.178 | 0.000000 |
| Jath 110 kV | 06/01/2020 08:45:00 | 36 | 17837.5 | 3635.0 | 0.0 | -3635.0 | 20.38 | 479.69 | -3.859 | 0.000000 |
| Jath 110 kV | 06/01/2020 09:00:00 | 37 | 17837.5 | 3695.0 | 0.0 | -3695.0 | 20.71 | 509.69 | -6.407 | 0.000000 |
| Jath 110 kV | 06/01/2020 09:15:00 | 38 | 17837.5 | 3697.5 | 0.0 | -3697.5 | 20.73 | 510.94 | -8.000 | 0.000000 |
| Jath 110 kV | 06/01/2020 09:30:00 | 39 | 17837.5 | 2190.0 | 0.0 | -2190.0 | 12.28 | 0.00 | -5.770 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jath 110 kV | 06/01/2020 09:45:00 | 40 | 17837.5 | 2155.0 | 0.0 | -2155.0 | 12.08 | 0.00 | 3.222 | 0.000000 |
| Jath 110 kV | 06/01/2020 10:00:00 | 41 | 17837.5 | 2152.5 | 0.0 | -2152.5 | 12.07 | 0.00 | -2.903 | 0.000000 |
| Jath 110 kV | 06/01/2020 10:15:00 | 42 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -3.222 | 0.000000 |
| Jath 110 kV | 06/01/2020 10:30:00 | 43 | 17837.5 | 2187.5 | 0.0 | -2187.5 | 12.26 | 0.00 | 4.815 | 0.000000 |
| Jath 110 kV | 06/01/2020 10:45:00 | 44 | 17837.5 | 2182.5 | 0.0 | -2182.5 | 12.24 | 0.00 | 4.496 | 0.000000 |
| Jath 110 kV | 06/01/2020 11:00:00 | 45 | 17837.5 | 2195.0 | 0.0 | -2195.0 | 12.31 | 0.00 | 16.000 | 0.000000 |
| Jath 110 kV | 06/01/2020 11:15:00 | 46 | 17837.5 | 2155.0 | 0.0 | -2155.0 | 12.08 | 0.00 | 5.133 | 0.000000 |
| Jath 110 kV | 06/01/2020 11:30:00 | 47 | 17837.5 | 2165.0 | 0.0 | -2165.0 | 12.14 | 0.00 | 1.182 | 0.000000 |
| Jath 110 kV | 06/01/2020 11:45:00 | 48 | 17837.5 | 2460.0 | 0.0 | -2460.0 | 13.79 | 0.00 | 6.308 | 0.000000 |
| Jath 110 kV | 06/01/2020 12:00:00 | 49 | 17837.5 | 2495.0 | 0.0 | -2495.0 | 13.99 | 0.00 | 6.598 | 0.000000 |
| Jath 110 kV | 06/01/2020 12:15:00 | 50 | 17837.5 | 2507.5 | 0.0 | -2507.5 | 14.06 | 0.00 | 5.431 | 0.000000 |
| Jath 110 kV | 06/01/2020 12:30:00 | 51 | 17837.5 | 2500.0 | 0.0 | -2500.0 | 14.02 | 0.00 | 3.540 | 0.000000 |
| Jath 110 kV | 06/01/2020 12:45:00 | 52 | 17837.5 | 2467.5 | 0.0 | -2467.5 | 13.83 | 0.00 | -2.903 | 0.000000 |
| Jath 110 kV | 06/01/2020 13:00:00 | 53 | 17837.5 | 2462.5 | 0.0 | -2462.5 | 13.81 | 0.00 | -1.161 | 0.000000 |
| Jath 110 kV | 06/01/2020 13:15:00 | 54 | 17837.5 | 2450.0 | 0.0 | -2450.0 | 13.74 | 0.00 | 3.859 | 0.000000 |
| Jath 110 kV | 06/01/2020 13:30:00 | 55 | 17837.5 | 2422.5 | 0.0 | -2422.5 | 13.58 | 0.00 | -6.407 | 0.000000 |
| Jath 110 kV | 06/01/2020 13:45:00 | 56 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 5.452 | 0.000000 |
| Jath 110 kV | 06/01/2020 14:00:00 | 57 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 5.452 | 0.000000 |
| Jath 110 kV | 06/01/2020 14:15:00 | 58 | 17837.5 | 2190.0 | 0.0 | -2190.0 | 12.28 | 0.00 | 16.000 | 0.000000 |
| Jath 110 kV | 06/01/2020 14:30:00 | 59 | 17837.5 | 2155.0 | 0.0 | -2155.0 | 12.08 | 0.00 | 6.035 | 0.000000 |
| Jath 110 kV | 06/01/2020 14:45:00 | 60 | 17837.5 | 2152.5 | 0.0 | -2152.5 | 12.07 | 0.00 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jath 110 kV | 06/01/2020 15:00:00 | 61 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 3.367 | 0.000000 |
| Jath 110 kV | 06/01/2020 15:15:00 | 62 | 17837.5 | 2187.5 | 0.0 | -2187.5 | 12.26 | 0.00 | 3.904 | 0.000000 |
| Jath 110 kV | 06/01/2020 15:30:00 | 63 | 17837.5 | 2182.5 | 0.0 | -2182.5 | 12.24 | 0.00 | 4.482 | 0.000000 |
| Jath 110 kV | 06/01/2020 15:45:00 | 64 | 17837.5 | 2195.0 | 0.0 | -2195.0 | 12.31 | 0.00 | 4.225 | 0.000000 |
| Jath 110 kV | 06/01/2020 16:00:00 | 65 | 17837.5 | 2155.0 | 0.0 | -2155.0 | 12.08 | 0.00 | 2.895 | 0.000000 |
| Jath 110 kV | 06/01/2020 16:15:00 | 66 | 17837.5 | 2165.0 | 0.0 | -2165.0 | 12.14 | 0.00 | 6.089 | 0.000000 |
| Jath 110 kV | 06/01/2020 16:30:00 | 67 | 17837.5 | 2460.0 | 0.0 | -2460.0 | 13.79 | 0.00 | -8.000 | 0.000000 |
| Jath 110 kV | 06/01/2020 16:45:00 | 68 | 17837.5 | 2495.0 | 0.0 | -2495.0 | 13.99 | 0.00 | -4.178 | 0.000000 |
| Jath 110 kV | 06/01/2020 17:00:00 | 69 | 17837.5 | 2507.5 | 0.0 | -2507.5 | 14.06 | 0.00 | 1.742 | 0.000000 |
| Jath 110 kV | 06/01/2020 17:15:00 | 70 | 17837.5 | 2500.0 | 0.0 | -2500.0 | 14.02 | 0.00 | 2.903 | 0.000000 |
| Jath 110 kV | 06/01/2020 17:30:00 | 71 | 17837.5 | 2467.5 | 0.0 | -2467.5 | 13.83 | 0.00 | -4.178 | 0.000000 |
| Jath 110 kV | 06/01/2020 17:45:00 | 72 | 17837.5 | 2462.5 | 0.0 | -2462.5 | 13.81 | 0.00 | -2.323 | 0.000000 |
| Jath 110 kV | 06/01/2020 18:00:00 | 73 | 17837.5 | 2450.0 | 0.0 | -2450.0 | 13.74 | 0.00 | -2.903 | 0.000000 |
| Jath 110 kV | 06/01/2020 18:15:00 | 74 | 17837.5 | 2422.5 | 0.0 | -2422.5 | 13.58 | 0.00 | 1.161 | 629.994129 |
| Jath 110 kV | 06/01/2020 18:30:00 | 75 | 17837.5 | 1072.5 | 0.0 | -1072.5 | 6.01 | 0.00 | 2.903 | 913.484307 |
| Jath 110 kV | 06/01/2020 18:45:00 | 76 | 17837.5 | 1082.5 | 0.0 | -1082.5 | 6.07 | 0.00 | 2.903 | 21.826686 |
| Jath 110 kV | 06/01/2020 19:00:00 | 77 | 17837.5 | 1095.0 | 0.0 | -1095.0 | 6.14 | 0.00 | -1.161 | 0.000000 |
| Jath 110 kV | 06/01/2020 19:15:00 | 78 | 17837.5 | 1112.5 | 0.0 | -1112.5 | 6.24 | 0.00 | -4.178 | 0.000000 |
| Jath 110 kV | 06/01/2020 19:30:00 | 79 | 17837.5 | 1155.0 | 0.0 | -1155.0 | 6.48 | 0.00 | -2.323 | 0.000000 |
| Jath 110 kV | 06/01/2020 19:45:00 | 80 | 17837.5 | 1212.5 | 0.0 | -1212.5 | 6.8 | 0.00 | -4.178 | 0.000000 |
| Jath 110 kV | 06/01/2020 20:00:00 | 81 | 17837.5 | 1302.5 | 0.0 | -1302.5 | 7.3 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jath 110 kV | 06/01/2020 20:15:00 | 82 | 17837.5 | 1397.5 | 0.0 | -1397.5 | 7.83 | 0.00 | -5.770 | 0.000000 |
| Jath 110 kV | 06/01/2020 20:30:00 | 83 | 17837.5 | 1437.5 | 0.0 | -1437.5 | 8.06 | 0.00 | 5.770 | 195.863934 |
| Jath 110 kV | 06/01/2020 20:45:00 | 84 | 17837.5 | 1465.0 | 0.0 | -1465.0 | 8.21 | 0.00 | 4.178 | 605.855666 |
| Jath 110 kV | 06/01/2020 21:00:00 | 85 | 17837.5 | 1307.5 | 0.0 | -1307.5 | 7.33 | 0.00 | 3.222 | 286.051500 |
| Jath 110 kV | 06/01/2020 21:15:00 | 86 | 17837.5 | 1310.0 | 0.0 | -1310.0 | 7.34 | 0.00 | -1.742 | 0.000000 |
| Jath 110 kV | 06/01/2020 21:30:00 | 87 | 17837.5 | 1330.0 | 0.0 | -1330.0 | 7.46 | 0.00 | 0.000 | 0.000000 |
| Jath 110 kV | 06/01/2020 21:45:00 | 88 | 17837.5 | 1337.5 | 0.0 | -1337.5 | 7.5 | 0.00 | 1.161 | 0.000000 |
| Jath 110 kV | 06/01/2020 22:00:00 | 89 | 17837.5 | 1340.0 | 0.0 | -1340.0 | 7.51 | 0.00 | 4.815 | 784.606308 |
| Jath 110 kV | 06/01/2020 22:15:00 | 90 | 17837.5 | 1415.0 | 0.0 | -1415.0 | 7.93 | 0.00 | 3.859 | 854.802986 |
| Jath 110 kV | 06/01/2020 22:30:00 | 91 | 17837.5 | 1420.0 | 0.0 | -1420.0 | 7.96 | 0.00 | 1.742 | 0.000000 |
| Jath 110 kV | 06/01/2020 22:45:00 | 92 | 17837.5 | 1445.0 | 0.0 | -1445.0 | 8.1 | 0.00 | -2.323 | 0.000000 |
| Jath 110 kV | 06/01/2020 23:00:00 | 93 | 17837.5 | 1440.0 | 0.0 | -1440.0 | 8.07 | 0.00 | -2.903 | 0.000000 |
| Jath 110 kV | 06/01/2020 23:15:00 | 94 | 17837.5 | 1460.0 | 0.0 | -1460.0 | 8.19 | 0.00 | 2.323 | 0.000000 |
| Jath 110 kV | 06/01/2020 23:30:00 | 95 | 17837.5 | 1462.5 | 0.0 | -1462.5 | 8.2 | 0.00 | -3.222 | 0.000000 |
| Jath 110 kV | 06/01/2020 23:45:00 | 96 | 17837.5 | 1470.0 | 0.0 | -1470.0 | 8.24 | 0.00 | 2.323 | 0.000000 |
| Jath 110 kV | 07/01/2020 00:00:00 | 1 | 17837.5 | 2195.0 | 0.0 | -2195.0 | 12.31 | 0.00 | -0.549 | 0.000000 |
| Jath 110 kV | 07/01/2020 00:15:00 | 2 | 17837.5 | 2192.5 | 0.0 | -2192.5 | 12.29 | 0.00 | -1.647 | 0.000000 |
| Jath 110 kV | 07/01/2020 00:30:00 | 3 | 17837.5 | 2190.0 | 0.0 | -2190.0 | 12.28 | 0.00 | -3.073 | 0.000000 |
| Jath 110 kV | 07/01/2020 00:45:00 | 4 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -2.744 | 0.000000 |
| Jath 110 kV | 07/01/2020 01:00:00 | 5 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -4.058 | 0.000000 |
| Jath 110 kV | 07/01/2020 01:15:00 | 6 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jath 110 kV | 07/01/2020 01:30:00 | 7 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | -3.401 | 0.000000 |
| Jath 110 kV | 07/01/2020 01:45:00 | 8 | 17837.5 | 2195.0 | 0.0 | -2195.0 | 12.31 | 0.00 | 3.730 | 0.000000 |
| Jath 110 kV | 07/01/2020 02:00:00 | 9 | 17837.5 | 2192.5 | 0.0 | -2192.5 | 12.29 | 0.00 | 3.073 | 477.323587 |
| Jath 110 kV | 07/01/2020 02:15:00 | 10 | 17837.5 | 2190.0 | 0.0 | -2190.0 | 12.28 | 0.00 | 3.073 | 213.195791 |
| Jath 110 kV | 07/01/2020 02:30:00 | 11 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 3.401 | 296.833299 |
| Jath 110 kV | 07/01/2020 02:45:00 | 12 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 2.745 | 296.057816 |
| Jath 110 kV | 07/01/2020 03:00:00 | 13 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 1.647 | 0.000000 |
| Jath 110 kV | 07/01/2020 03:15:00 | 14 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | 2.196 | 139.692463 |
| Jath 110 kV | 07/01/2020 03:30:00 | 15 | 17837.5 | 2182.5 | 0.0 | -2182.5 | 12.24 | 0.00 | 1.647 | 186.277849 |
| Jath 110 kV | 07/01/2020 03:45:00 | 16 | 17837.5 | 2202.5 | 0.0 | -2202.5 | 12.35 | 0.00 | 1.098 | 0.000000 |
| Jath 110 kV | 07/01/2020 04:00:00 | 17 | 17837.5 | 2242.5 | 0.0 | -2242.5 | 12.57 | 0.00 | 1.647 | 821.203314 |
| Jath 110 kV | 07/01/2020 04:15:00 | 18 | 17837.5 | 2195.0 | 0.0 | -2195.0 | 12.31 | 0.00 | 2.210 | 1571.528040 |
| Jath 110 kV | 07/01/2020 04:30:00 | 19 | 17837.5 | 2192.5 | 0.0 | -2192.5 | 12.29 | 0.00 | 3.730 | 2216.599424 |
| Jath 110 kV | 07/01/2020 04:45:00 | 20 | 17837.5 | 2190.0 | 0.0 | -2190.0 | 12.28 | 0.00 | -1.098 | 0.000000 |
| Jath 110 kV | 07/01/2020 05:00:00 | 21 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -2.744 | 0.000000 |
| Jath 110 kV | 07/01/2020 05:15:00 | 22 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 3.730 | 1119.906206 |
| Jath 110 kV | 07/01/2020 05:30:00 | 23 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 3.073 | 2515.938484 |
| Jath 110 kV | 07/01/2020 05:45:00 | 24 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | 3.730 | 1952.259453 |
| Jath 110 kV | 07/01/2020 06:00:00 | 25 | 17837.5 | 2195.0 | 0.0 | -2195.0 | 12.31 | 0.00 | -5.372 | 0.000000 |
| Jath 110 kV | 07/01/2020 06:15:00 | 26 | 17837.5 | 2192.5 | 0.0 | -2192.5 | 12.29 | 0.00 | 4.556 | 7305.624560 |
| Jath 110 kV | 07/01/2020 06:30:00 | 27 | 17837.5 | 2190.0 | 0.0 | -2190.0 | 12.28 | 0.00 | 7.148 | 12634.524109 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jath 110 kV | 07/01/2020 06:45:00 | 28 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 7.821 | 11532.665095 |
| Jath 110 kV | 07/01/2020 07:00:00 | 29 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 5.372 | 5793.236042 |
| Jath 110 kV | 07/01/2020 07:15:00 | 30 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 16.000 | 0.000000 |
| Jath 110 kV | 07/01/2020 07:30:00 | 31 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | 9.296 | 0.000000 |
| Jath 110 kV | 07/01/2020 07:45:00 | 32 | 17837.5 | 2182.5 | 0.0 | -2182.5 | 12.24 | 0.00 | 9.794 | 0.000000 |
| Jath 110 kV | 07/01/2020 08:00:00 | 33 | 17837.5 | 2202.5 | 0.0 | -2202.5 | 12.35 | 0.00 | 3.593 | 0.000000 |
| Jath 110 kV | 07/01/2020 08:15:00 | 34 | 17837.5 | 2242.5 | 0.0 | -2242.5 | 12.57 | 0.00 | 3.401 | 0.000000 |
| Jath 110 kV | 07/01/2020 08:30:00 | 35 | 17837.5 | 2195.0 | 0.0 | -2195.0 | 12.31 | 0.00 | 3.245 | 0.000000 |
| Jath 110 kV | 07/01/2020 08:45:00 | 36 | 17837.5 | 2192.5 | 0.0 | -2192.5 | 12.29 | 0.00 | 0.000 | 0.000000 |
| Jath 110 kV | 07/01/2020 09:00:00 | 37 | 17837.5 | 2650.0 | 0.0 | -2650.0 | 14.86 | 0.00 | 2.745 | 0.000000 |
| Jath 110 kV | 07/01/2020 09:15:00 | 38 | 17837.5 | 2615.0 | 0.0 | -2615.0 | 14.66 | 0.00 | 4.715 | 0.000000 |
| Jath 110 kV | 07/01/2020 09:30:00 | 39 | 17837.5 | 2660.0 | 0.0 | -2660.0 | 14.91 | 0.00 | 3.981 | 0.000000 |
| Jath 110 kV | 07/01/2020 09:45:00 | 40 | 17837.5 | 2637.5 | 0.0 | -2637.5 | 14.79 | 0.00 | 3.730 | 0.000000 |
| Jath 110 kV | 07/01/2020 10:00:00 | 41 | 17837.5 | 2697.5 | 0.0 | -2697.5 | 15.12 | 10.94 | 1.780 | 0.000000 |
| Jath 110 kV | 07/01/2020 10:15:00 | 42 | 17837.5 | 2725.0 | 0.0 | -2725.0 | 15.28 | 24.69 | 5.643 | 0.000000 |
| Jath 110 kV | 07/01/2020 10:30:00 | 43 | 17837.5 | 2730.0 | 0.0 | -2730.0 | 15.3 | 27.19 | 4.976 | 0.000000 |
| Jath 110 kV | 07/01/2020 10:45:00 | 44 | 17837.5 | 2735.0 | 0.0 | -2735.0 | 15.33 | 29.69 | 4.415 | 0.000000 |
| Jath 110 kV | 07/01/2020 11:00:00 | 45 | 17837.5 | 2627.5 | 0.0 | -2627.5 | 14.73 | 0.00 | 4.476 | 0.000000 |
| Jath 110 kV | 07/01/2020 11:15:00 | 46 | 17837.5 | 2632.5 | 0.0 | -2632.5 | 14.76 | 0.00 | 4.826 | 0.000000 |
| Jath 110 kV | 07/01/2020 11:30:00 | 47 | 17837.5 | 2637.5 | 0.0 | -2637.5 | 14.79 | 0.00 | 2.289 | 0.000000 |
| Jath 110 kV | 07/01/2020 11:45:00 | 48 | 17837.5 | 2655.0 | 0.0 | -2655.0 | 14.88 | 0.00 | -0.549 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jath 110 kV | 07/01/2020 12:00:00 | 49 | 17837.5 | 2662.5 | 0.0 | -2662.5 | 14.93 | 0.00 | 4.727 | 0.000000 |
| Jath 110 kV | 07/01/2020 12:15:00 | 50 | 17837.5 | 2665.0 | 0.0 | -2665.0 | 14.94 | 0.00 | 4.777 | 0.000000 |
| Jath 110 kV | 07/01/2020 12:30:00 | 51 | 17837.5 | 2667.5 | 0.0 | -2667.5 | 14.95 | 0.00 | 4.798 | 0.000000 |
| Jath 110 kV | 07/01/2020 12:45:00 | 52 | 17837.5 | 2467.5 | 0.0 | -2467.5 | 13.83 | 0.00 | -3.401 | 0.000000 |
| Jath 110 kV | 07/01/2020 13:00:00 | 53 | 17837.5 | 2462.5 | 0.0 | -2462.5 | 13.81 | 0.00 | -2.431 | 0.000000 |
| Jath 110 kV | 07/01/2020 13:15:00 | 54 | 17837.5 | 2450.0 | 0.0 | -2450.0 | 13.74 | 0.00 | -4.387 | 0.000000 |
| Jath 110 kV | 07/01/2020 13:30:00 | 55 | 17837.5 | 2422.5 | 0.0 | -2422.5 | 13.58 | 0.00 | -3.401 | 0.000000 |
| Jath 110 kV | 07/01/2020 13:45:00 | 56 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -5.044 | 0.000000 |
| Jath 110 kV | 07/01/2020 14:00:00 | 57 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 4.215 | 0.000000 |
| Jath 110 kV | 07/01/2020 14:15:00 | 58 | 17837.5 | 2190.0 | 0.0 | -2190.0 | 12.28 | 0.00 | 9.552 | 0.000000 |
| Jath 110 kV | 07/01/2020 14:30:00 | 59 | 17837.5 | 2155.0 | 0.0 | -2155.0 | 12.08 | 0.00 | 6.358 | 0.000000 |
| Jath 110 kV | 07/01/2020 14:45:00 | 60 | 17837.5 | 2152.5 | 0.0 | -2152.5 | 12.07 | 0.00 | 2.744 | 0.000000 |
| Jath 110 kV | 07/01/2020 15:00:00 | 61 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -3.073 | 0.000000 |
| Jath 110 kV | 07/01/2020 15:15:00 | 62 | 17837.5 | 2187.5 | 0.0 | -2187.5 | 12.26 | 0.00 | -4.058 | 0.000000 |
| Jath 110 kV | 07/01/2020 15:30:00 | 63 | 17837.5 | 2182.5 | 0.0 | -2182.5 | 12.24 | 0.00 | -4.831 | 0.000000 |
| Jath 110 kV | 07/01/2020 15:45:00 | 64 | 17837.5 | 2195.0 | 0.0 | -2195.0 | 12.31 | 0.00 | -5.372 | 0.000000 |
| Jath 110 kV | 07/01/2020 16:00:00 | 65 | 17837.5 | 2155.0 | 0.0 | -2155.0 | 12.08 | 0.00 | 2.196 | 0.000000 |
| Jath 110 kV | 07/01/2020 16:15:00 | 66 | 17837.5 | 2165.0 | 0.0 | -2165.0 | 12.14 | 0.00 | -3.401 | 0.000000 |
| Jath 110 kV | 07/01/2020 16:30:00 | 67 | 17837.5 | 2460.0 | 0.0 | -2460.0 | 13.79 | 0.00 | 4.738 | 0.000000 |
| Jath 110 kV | 07/01/2020 16:45:00 | 68 | 17837.5 | 2495.0 | 0.0 | -2495.0 | 13.99 | 0.00 | 7.343 | 0.000000 |
| Jath 110 kV | 07/01/2020 17:00:00 | 69 | 17837.5 | 2507.5 | 0.0 | -2507.5 | 14.06 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jath 110 kV | 07/01/2020 17:15:00 | 70 | 17837.5 | 2500.0 | 0.0 | -2500.0 | 14.02 | 0.00 | 2.744 | 415.865331 |
| Jath 110 kV | 07/01/2020 17:30:00 | 71 | 17837.5 | 2467.5 | 0.0 | -2467.5 | 13.83 | 0.00 | 3.401 | 162.927633 |
| Jath 110 kV | 07/01/2020 17:45:00 | 72 | 17837.5 | 2462.5 | 0.0 | -2462.5 | 13.81 | 0.00 | -2.745 | 0.000000 |
| Jath 110 kV | 07/01/2020 18:00:00 | 73 | 17837.5 | 2450.0 | 0.0 | -2450.0 | 13.74 | 0.00 | -3.073 | 0.000000 |
| Jath 110 kV | 07/01/2020 18:15:00 | 74 | 17837.5 | 2422.5 | 0.0 | -2422.5 | 13.58 | 0.00 | -5.372 | 0.000000 |
| Jath 110 kV | 07/01/2020 18:30:00 | 75 | 17837.5 | 2317.5 | 0.0 | -2317.5 | 12.99 | 0.00 | 3.401 | 0.000000 |
| Jath 110 kV | 07/01/2020 18:45:00 | 76 | 17837.5 | 2327.5 | 0.0 | -2327.5 | 13.05 | 0.00 | -3.401 | 0.000000 |
| Jath 110 kV | 07/01/2020 19:00:00 | 77 | 17837.5 | 2340.0 | 0.0 | -2340.0 | 13.12 | 0.00 | -3.730 | 0.000000 |
| Jath 110 kV | 07/01/2020 19:15:00 | 78 | 17837.5 | 2357.5 | 0.0 | -2357.5 | 13.22 | 0.00 | -4.715 | 0.000000 |
| Jath 110 kV | 07/01/2020 19:30:00 | 79 | 17837.5 | 2397.5 | 0.0 | -2397.5 | 13.44 | 0.00 | -4.058 | 0.000000 |
| Jath 110 kV | 07/01/2020 19:45:00 | 80 | 17837.5 | 2457.5 | 0.0 | -2457.5 | 13.78 | 0.00 | -2.210 | 0.000000 |
| Jath 110 kV | 07/01/2020 20:00:00 | 81 | 17837.5 | 2467.5 | 0.0 | -2467.5 | 13.83 | 0.00 | -2.348 | 0.000000 |
| Jath 110 kV | 07/01/2020 20:15:00 | 82 | 17837.5 | 2462.5 | 0.0 | -2462.5 | 13.81 | 0.00 | 4.387 | 3843.105632 |
| Jath 110 kV | 07/01/2020 20:30:00 | 83 | 17837.5 | 2450.0 | 0.0 | -2450.0 | 13.74 | 0.00 | 3.816 | 4999.688029 |
| Jath 110 kV | 07/01/2020 20:45:00 | 84 | 17837.5 | 2422.5 | 0.0 | -2422.5 | 13.58 | 0.00 | 3.401 | 1190.261531 |
| Jath 110 kV | 07/01/2020 21:00:00 | 85 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -4.058 | 0.000000 |
| Jath 110 kV | 07/01/2020 21:15:00 | 86 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 1.647 | 1155.476542 |
| Jath 110 kV | 07/01/2020 21:30:00 | 87 | 17837.5 | 2190.0 | 0.0 | -2190.0 | 12.28 | 0.00 | 2.196 | 698.356002 |
| Jath 110 kV | 07/01/2020 21:45:00 | 88 | 17837.5 | 2155.0 | 0.0 | -2155.0 | 12.08 | 0.00 | -2.196 | 0.000000 |
| Jath 110 kV | 07/01/2020 22:00:00 | 89 | 17837.5 | 2152.5 | 0.0 | -2152.5 | 12.07 | 0.00 | -3.257 | 0.000000 |
| Jath 110 kV | 07/01/2020 22:15:00 | 90 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jath 110 kV | 07/01/2020 22:30:00 | 91 | 17837.5 | 2187.5 | 0.0 | -2187.5 | 12.26 | 0.00 | -1.098 | 0.000000 |
| Jath 110 kV | 07/01/2020 22:45:00 | 92 | 17837.5 | 2182.5 | 0.0 | -2182.5 | 12.24 | 0.00 | -1.647 | 0.000000 |
| Jath 110 kV | 07/01/2020 23:00:00 | 93 | 17837.5 | 2195.0 | 0.0 | -2195.0 | 12.31 | 0.00 | -3.401 | 0.000000 |
| Jath 110 kV | 07/01/2020 23:15:00 | 94 | 17837.5 | 2155.0 | 0.0 | -2155.0 | 12.08 | 0.00 | 1.647 | 0.000000 |
| Jath 110 kV | 07/01/2020 23:30:00 | 95 | 17837.5 | 2165.0 | 0.0 | -2165.0 | 12.14 | 0.00 | -2.196 | 0.000000 |
| Jath 110 kV | 07/01/2020 23:45:00 | 96 | 17837.5 | 2460.0 | 0.0 | -2460.0 | 13.79 | 0.00 | -0.549 | 0.000000 |
| Jath 110 kV | 08/01/2020 00:00:00 | 1 | 17837.5 | 2507.5 | 0.0 | -2507.5 | 14.06 | 0.00 | -2.220 | 0.000000 |
| Jath 110 kV | 08/01/2020 00:15:00 | 2 | 17837.5 | 2505.0 | 0.0 | -2505.0 | 14.04 | 0.00 | -3.101 | 0.000000 |
| Jath 110 kV | 08/01/2020 00:30:00 | 3 | 17837.5 | 2500.0 | 0.0 | -2500.0 | 14.02 | 0.00 | -3.101 | 0.000000 |
| Jath 110 kV | 08/01/2020 00:45:00 | 4 | 17837.5 | 2492.5 | 0.0 | -2492.5 | 13.97 | 0.00 | -2.424 | 0.000000 |
| Jath 110 kV | 08/01/2020 01:00:00 | 5 | 17837.5 | 2507.5 | 0.0 | -2507.5 | 14.06 | 0.00 | -2.170 | 0.000000 |
| Jath 110 kV | 08/01/2020 01:15:00 | 6 | 17837.5 | 2512.5 | 0.0 | -2512.5 | 14.09 | 0.00 | -1.761 | 0.000000 |
| Jath 110 kV | 08/01/2020 01:30:00 | 7 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | -1.665 | 0.000000 |
| Jath 110 kV | 08/01/2020 01:45:00 | 8 | 17837.5 | 2195.0 | 0.0 | -2195.0 | 12.31 | 0.00 | -1.665 | 0.000000 |
| Jath 110 kV | 08/01/2020 02:00:00 | 9 | 17837.5 | 2192.5 | 0.0 | -2192.5 | 12.29 | 0.00 | -1.110 | 0.000000 |
| Jath 110 kV | 08/01/2020 02:15:00 | 10 | 17837.5 | 2190.0 | 0.0 | -2190.0 | 12.28 | 0.00 | -1.347 | 0.000000 |
| Jath 110 kV | 08/01/2020 02:30:00 | 11 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -3.101 | 0.000000 |
| Jath 110 kV | 08/01/2020 02:45:00 | 12 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -2.220 | 0.000000 |
| Jath 110 kV | 08/01/2020 03:00:00 | 13 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -3.428 | 0.000000 |
| Jath 110 kV | 08/01/2020 03:15:00 | 14 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | -2.220 | 0.000000 |
| Jath 110 kV | 08/01/2020 03:30:00 | 15 | 17837.5 | 2182.5 | 0.0 | -2182.5 | 12.24 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jath 110 kV | 08/01/2020 03:45:00 | 16 | 17837.5 | 2202.5 | 0.0 | -2202.5 | 12.35 | 0.00 | -2.775 | 0.000000 |
| Jath 110 kV | 08/01/2020 04:00:00 | 17 | 17837.5 | 2242.5 | 0.0 | -2242.5 | 12.57 | 0.00 | -3.101 | 0.000000 |
| Jath 110 kV | 08/01/2020 04:15:00 | 18 | 17837.5 | 2195.0 | 0.0 | -2195.0 | 12.31 | 0.00 | -1.665 | 0.000000 |
| Jath 110 kV | 08/01/2020 04:30:00 | 19 | 17837.5 | 2192.5 | 0.0 | -2192.5 | 12.29 | 0.00 | -2.220 | 0.000000 |
| Jath 110 kV | 08/01/2020 04:45:00 | 20 | 17837.5 | 2190.0 | 0.0 | -2190.0 | 12.28 | 0.00 | -2.775 | 0.000000 |
| Jath 110 kV | 08/01/2020 05:00:00 | 21 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -1.110 | 0.000000 |
| Jath 110 kV | 08/01/2020 05:15:00 | 22 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 2.775 | 105.049965 |
| Jath 110 kV | 08/01/2020 05:30:00 | 23 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -3.428 | 0.000000 |
| Jath 110 kV | 08/01/2020 05:45:00 | 24 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | -2.775 | 0.000000 |
| Jath 110 kV | 08/01/2020 06:00:00 | 25 | 17837.5 | 2195.0 | 0.0 | -2195.0 | 12.31 | 0.00 | -2.220 | 0.000000 |
| Jath 110 kV | 08/01/2020 06:15:00 | 26 | 17837.5 | 2192.5 | 0.0 | -2192.5 | 12.29 | 0.00 | 2.220 | 448.903272 |
| Jath 110 kV | 08/01/2020 06:30:00 | 27 | 17837.5 | 2190.0 | 0.0 | -2190.0 | 12.28 | 0.00 | 5.387 | 3941.917542 |
| Jath 110 kV | 08/01/2020 06:45:00 | 28 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -4.734 | 0.000000 |
| Jath 110 kV | 08/01/2020 07:00:00 | 29 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -4.407 | 0.000000 |
| Jath 110 kV | 08/01/2020 07:15:00 | 30 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 5.061 | 3842.432106 |
| Jath 110 kV | 08/01/2020 07:30:00 | 31 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | 5.714 | 3672.354313 |
| Jath 110 kV | 08/01/2020 07:45:00 | 32 | 17837.5 | 2182.5 | 0.0 | -2182.5 | 12.24 | 0.00 | 5.061 | 1447.072604 |
| Jath 110 kV | 08/01/2020 08:00:00 | 33 | 17837.5 | 2202.5 | 0.0 | -2202.5 | 12.35 | 0.00 | 2.775 | 0.000000 |
| Jath 110 kV | 08/01/2020 08:15:00 | 34 | 17837.5 | 2242.5 | 0.0 | -2242.5 | 12.57 | 0.00 | 2.775 | 0.000000 |
| Jath 110 kV | 08/01/2020 08:30:00 | 35 | 17837.5 | 2195.0 | 0.0 | -2195.0 | 12.31 | 0.00 | 5.387 | 0.000000 |
| Jath 110 kV | 08/01/2020 08:45:00 | 36 | 17837.5 | 2192.5 | 0.0 | -2192.5 | 12.29 | 0.00 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jath 110 kV | 08/01/2020 09:00:00 | 37 | 17837.5 | 2190.0 | 0.0 | -2190.0 | 12.28 | 0.00 | 7.673 | 0.000000 |
| Jath 110 kV | 08/01/2020 09:15:00 | 38 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 7.673 | 0.000000 |
| Jath 110 kV | 08/01/2020 09:30:00 | 39 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 3.101 | 0.000000 |
| Jath 110 kV | 08/01/2020 09:45:00 | 40 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -3.101 | 0.000000 |
| Jath 110 kV | 08/01/2020 10:00:00 | 41 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | -3.101 | 0.000000 |
| Jath 110 kV | 08/01/2020 10:15:00 | 42 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | -3.101 | 0.000000 |
| Jath 110 kV | 08/01/2020 10:30:00 | 43 | 17837.5 | 2195.0 | 0.0 | -2195.0 | 12.31 | 0.00 | -1.665 | 0.000000 |
| Jath 110 kV | 08/01/2020 10:45:00 | 44 | 17837.5 | 2192.5 | 0.0 | -2192.5 | 12.29 | 0.00 | 0.000 | 0.000000 |
| Jath 110 kV | 08/01/2020 11:00:00 | 45 | 17837.5 | 2190.0 | 0.0 | -2190.0 | 12.28 | 0.00 | -1.486 | 0.000000 |
| Jath 110 kV | 08/01/2020 11:15:00 | 46 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -1.305 | 0.000000 |
| Jath 110 kV | 08/01/2020 11:30:00 | 47 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -2.425 | 0.000000 |
| Jath 110 kV | 08/01/2020 11:45:00 | 48 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -2.775 | 0.000000 |
| Jath 110 kV | 08/01/2020 12:00:00 | 49 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | -2.083 | 0.000000 |
| Jath 110 kV | 08/01/2020 12:15:00 | 50 | 17837.5 | 2182.5 | 0.0 | -2182.5 | 12.24 | 0.00 | -3.242 | 0.000000 |
| Jath 110 kV | 08/01/2020 12:30:00 | 51 | 17837.5 | 2202.5 | 0.0 | -2202.5 | 12.35 | 0.00 | -1.330 | 0.000000 |
| Jath 110 kV | 08/01/2020 12:45:00 | 52 | 17837.5 | 2242.5 | 0.0 | -2242.5 | 12.57 | 0.00 | -0.830 | 0.000000 |
| Jath 110 kV | 08/01/2020 13:00:00 | 53 | 17837.5 | 2195.0 | 0.0 | -2195.0 | 12.31 | 0.00 | 2.775 | 0.000000 |
| Jath 110 kV | 08/01/2020 13:15:00 | 54 | 17837.5 | 2192.5 | 0.0 | -2192.5 | 12.29 | 0.00 | 0.000 | 0.000000 |
| Jath 110 kV | 08/01/2020 13:30:00 | 55 | 17837.5 | 2190.0 | 0.0 | -2190.0 | 12.28 | 0.00 | -1.012 | 0.000000 |
| Jath 110 kV | 08/01/2020 13:45:00 | 56 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -1.087 | 0.000000 |
| Jath 110 kV | 08/01/2020 14:00:00 | 57 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -3.101 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jath 110 kV | 08/01/2020 14:15:00 | 58 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -4.081 | 0.000000 |
| Jath 110 kV | 08/01/2020 14:30:00 | 59 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | -2.996 | 0.000000 |
| Jath 110 kV | 08/01/2020 14:45:00 | 60 | 17837.5 | 2195.0 | 0.0 | -2195.0 | 12.31 | 0.00 | -3.101 | 0.000000 |
| Jath 110 kV | 08/01/2020 15:00:00 | 61 | 17837.5 | 2192.5 | 0.0 | -2192.5 | 12.29 | 0.00 | -1.879 | 0.000000 |
| Jath 110 kV | 08/01/2020 15:15:00 | 62 | 17837.5 | 2190.0 | 0.0 | -2190.0 | 12.28 | 0.00 | -4.081 | 0.000000 |
| Jath 110 kV | 08/01/2020 15:30:00 | 63 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 4.938 | 0.000000 |
| Jath 110 kV | 08/01/2020 15:45:00 | 64 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 4.719 | 0.000000 |
| Jath 110 kV | 08/01/2020 16:00:00 | 65 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 0.555 | 0.000000 |
| Jath 110 kV | 08/01/2020 16:15:00 | 66 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | -4.081 | 0.000000 |
| Jath 110 kV | 08/01/2020 16:30:00 | 67 | 17837.5 | 2182.5 | 0.0 | -2182.5 | 12.24 | 0.00 | -3.754 | 0.000000 |
| Jath 110 kV | 08/01/2020 16:45:00 | 68 | 17837.5 | 2202.5 | 0.0 | -2202.5 | 12.35 | 0.00 | -8.000 | 0.000000 |
| Jath 110 kV | 08/01/2020 17:00:00 | 69 | 17837.5 | 2242.5 | 0.0 | -2242.5 | 12.57 | 0.00 | 0.000 | 0.000000 |
| Jath 110 kV | 08/01/2020 17:15:00 | 70 | 17837.5 | 2195.0 | 0.0 | -2195.0 | 12.31 | 0.00 | 4.081 | 421.056716 |
| Jath 110 kV | 08/01/2020 17:30:00 | 71 | 17837.5 | 2192.5 | 0.0 | -2192.5 | 12.29 | 0.00 | -5.387 | 0.000000 |
| Jath 110 kV | 08/01/2020 17:45:00 | 72 | 17837.5 | 2190.0 | 0.0 | -2190.0 | 12.28 | 0.00 | -3.101 | 0.000000 |
| Jath 110 kV | 08/01/2020 18:00:00 | 73 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -2.775 | 0.000000 |
| Jath 110 kV | 08/01/2020 18:15:00 | 74 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -3.101 | 0.000000 |
| Jath 110 kV | 08/01/2020 18:30:00 | 75 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -2.220 | 0.000000 |
| Jath 110 kV | 08/01/2020 18:45:00 | 76 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | 2.220 | 1716.467787 |
| Jath 110 kV | 08/01/2020 19:00:00 | 77 | 17837.5 | 2340.0 | 0.0 | -2340.0 | 13.12 | 0.00 | 1.110 | 0.000000 |
| Jath 110 kV | 08/01/2020 19:15:00 | 78 | 17837.5 | 2242.5 | 0.0 | -2242.5 | 12.57 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jath 110 kV | 08/01/2020 19:30:00 | 79 | 17837.5 | 2247.5 | 0.0 | -2247.5 | 12.6 | 0.00 | -2.220 | 0.000000 |
| Jath 110 kV | 08/01/2020 19:45:00 | 80 | 17837.5 | 2252.5 | 0.0 | -2252.5 | 12.63 | 0.00 | -0.555 | 0.000000 |
| Jath 110 kV | 08/01/2020 20:00:00 | 81 | 17837.5 | 2255.0 | 0.0 | -2255.0 | 12.64 | 0.00 | 2.775 | 0.000000 |
| Jath 110 kV | 08/01/2020 20:15:00 | 82 | 17837.5 | 2277.5 | 0.0 | -2277.5 | 12.77 | 0.00 | 3.101 | 3808.165493 |
| Jath 110 kV | 08/01/2020 20:30:00 | 83 | 17837.5 | 2282.5 | 0.0 | -2282.5 | 12.8 | 0.00 | 4.408 | 5170.339085 |
| Jath 110 kV | 08/01/2020 20:45:00 | 84 | 17837.5 | 2295.0 | 0.0 | -2295.0 | 12.87 | 0.00 | 3.101 | 1501.847874 |
| Jath 110 kV | 08/01/2020 21:00:00 | 85 | 17837.5 | 2310.0 | 0.0 | -2310.0 | 12.95 | 0.00 | 3.101 | 0.000000 |
| Jath 110 kV | 08/01/2020 21:15:00 | 86 | 17837.5 | 2340.0 | 0.0 | -2340.0 | 13.12 | 0.00 | -0.555 | 0.000000 |
| Jath 110 kV | 08/01/2020 21:30:00 | 87 | 17837.5 | 2242.5 | 0.0 | -2242.5 | 12.57 | 0.00 | -1.110 | 0.000000 |
| Jath 110 kV | 08/01/2020 21:45:00 | 88 | 17837.5 | 2247.5 | 0.0 | -2247.5 | 12.6 | 0.00 | -1.110 | 0.000000 |
| Jath 110 kV | 08/01/2020 22:00:00 | 89 | 17837.5 | 2252.5 | 0.0 | -2252.5 | 12.63 | 0.00 | -2.489 | 0.000000 |
| Jath 110 kV | 08/01/2020 22:15:00 | 90 | 17837.5 | 2255.0 | 0.0 | -2255.0 | 12.64 | 0.00 | -2.775 | 0.000000 |
| Jath 110 kV | 08/01/2020 22:30:00 | 91 | 17837.5 | 2277.5 | 0.0 | -2277.5 | 12.77 | 0.00 | -2.223 | 0.000000 |
| Jath 110 kV | 08/01/2020 22:45:00 | 92 | 17837.5 | 2282.5 | 0.0 | -2282.5 | 12.8 | 0.00 | 1.110 | 0.000000 |
| Jath 110 kV | 08/01/2020 23:00:00 | 93 | 17837.5 | 2295.0 | 0.0 | -2295.0 | 12.87 | 0.00 | 1.110 | 245.016505 |
| Jath 110 kV | 08/01/2020 23:15:00 | 94 | 17837.5 | 2310.0 | 0.0 | -2310.0 | 12.95 | 0.00 | 1.110 | 0.000000 |
| Jath 110 kV | 08/01/2020 23:30:00 | 95 | 17837.5 | 2290.0 | 0.0 | -2290.0 | 12.84 | 0.00 | 2.775 | 20.817289 |
| Jath 110 kV | 08/01/2020 23:45:00 | 96 | 17837.5 | 2455.0 | 0.0 | -2455.0 | 13.76 | 0.00 | 0.000 | 0.000000 |
| Jath 110 kV | 09/01/2020 00:00:00 | 1 | 17837.5 | 2662.5 | 0.0 | -2662.5 | 14.93 | 0.00 | -0.576 | 0.000000 |
| Jath 110 kV | 09/01/2020 00:15:00 | 2 | 17837.5 | 2660.0 | 0.0 | -2660.0 | 14.91 | 0.00 | -1.727 | 0.000000 |
| Jath 110 kV | 09/01/2020 00:30:00 | 3 | 17837.5 | 2655.0 | 0.0 | -2655.0 | 14.88 | 0.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jath 110 kV | 09/01/2020 00:45:00 | 4 | 17837.5 | 2647.5 | 0.0 | -2647.5 | 14.84 | 0.00 | -2.879 | 0.000000 |
| Jath 110 kV | 09/01/2020 01:00:00 | 5 | 17837.5 | 2662.5 | 0.0 | -2662.5 | 14.93 | 0.00 | -3.519 | 0.000000 |
| Jath 110 kV | 09/01/2020 01:15:00 | 6 | 17837.5 | 2667.5 | 0.0 | -2667.5 | 14.95 | 0.00 | -3.519 | 0.000000 |
| Jath 110 kV | 09/01/2020 01:30:00 | 7 | 17837.5 | 2332.5 | 0.0 | -2332.5 | 13.08 | 0.00 | -3.199 | 0.000000 |
| Jath 110 kV | 09/01/2020 01:45:00 | 8 | 17837.5 | 2352.5 | 0.0 | -2352.5 | 13.19 | 0.00 | 3.519 | 571.628161 |
| Jath 110 kV | 09/01/2020 02:00:00 | 9 | 17837.5 | 2347.5 | 0.0 | -2347.5 | 13.16 | 0.00 | 3.519 | 2584.381403 |
| Jath 110 kV | 09/01/2020 02:15:00 | 10 | 17837.5 | 2345.0 | 0.0 | -2345.0 | 13.15 | 0.00 | 2.879 | 1132.253464 |
| Jath 110 kV | 09/01/2020 02:30:00 | 11 | 17837.5 | 2335.0 | 0.0 | -2335.0 | 13.09 | 0.00 | 3.199 | 1622.094571 |
| Jath 110 kV | 09/01/2020 02:45:00 | 12 | 17837.5 | 2335.0 | 0.0 | -2335.0 | 13.09 | 0.00 | 1.152 | 0.000000 |
| Jath 110 kV | 09/01/2020 03:00:00 | 13 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -2.879 | 0.000000 |
| Jath 110 kV | 09/01/2020 03:15:00 | 14 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | -3.839 | 0.000000 |
| Jath 110 kV | 09/01/2020 03:30:00 | 15 | 17837.5 | 2182.5 | 0.0 | -2182.5 | 12.24 | 0.00 | 3.199 | 0.000000 |
| Jath 110 kV | 09/01/2020 03:45:00 | 16 | 17837.5 | 2202.5 | 0.0 | -2202.5 | 12.35 | 0.00 | 0.000 | 0.000000 |
| Jath 110 kV | 09/01/2020 04:00:00 | 17 | 17837.5 | 2242.5 | 0.0 | -2242.5 | 12.57 | 0.00 | 1.727 | 0.000000 |
| Jath 110 kV | 09/01/2020 04:15:00 | 18 | 17837.5 | 2195.0 | 0.0 | -2195.0 | 12.31 | 0.00 | 1.727 | 0.000000 |
| Jath 110 kV | 09/01/2020 04:30:00 | 19 | 17837.5 | 2192.5 | 0.0 | -2192.5 | 12.29 | 0.00 | 1.727 | 0.000000 |
| Jath 110 kV | 09/01/2020 04:45:00 | 20 | 17837.5 | 2190.0 | 0.0 | -2190.0 | 12.28 | 0.00 | 2.879 | 1887.364016 |
| Jath 110 kV | 09/01/2020 05:00:00 | 21 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 3.839 | 1088.209635 |
| Jath 110 kV | 09/01/2020 05:15:00 | 22 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 5.119 | 3077.076058 |
| Jath 110 kV | 09/01/2020 05:30:00 | 23 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 4.064 | 5607.840587 |
| Jath 110 kV | 09/01/2020 05:45:00 | 24 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | 1.152 | 15.361918 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jath 110 kV | 09/01/2020 06:00:00 | 25 | 17837.5 | 2195.0 | 0.0 | -2195.0 | 12.31 | 0.00 | -2.303 | 0.000000 |
| Jath 110 kV | 09/01/2020 06:15:00 | 26 | 17837.5 | 2192.5 | 0.0 | -2192.5 | 12.29 | 0.00 | 2.303 | 1458.339367 |
| Jath 110 kV | 09/01/2020 06:30:00 | 27 | 17837.5 | 2190.0 | 0.0 | -2190.0 | 12.28 | 0.00 | -3.839 | 0.000000 |
| Jath 110 kV | 09/01/2020 06:45:00 | 28 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -2.879 | 0.000000 |
| Jath 110 kV | 09/01/2020 07:00:00 | 29 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -2.879 | 0.000000 |
| Jath 110 kV | 09/01/2020 07:15:00 | 30 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 6.400 | 1084.564668 |
| Jath 110 kV | 09/01/2020 07:30:00 | 31 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | 1.172 | 0.000000 |
| Jath 110 kV | 09/01/2020 07:45:00 | 32 | 17837.5 | 2182.5 | 0.0 | -2182.5 | 12.24 | 0.00 | 0.576 | 0.000000 |
| Jath 110 kV | 09/01/2020 08:00:00 | 33 | 17837.5 | 2202.5 | 0.0 | -2202.5 | 12.35 | 0.00 | -0.576 | 0.000000 |
| Jath 110 kV | 09/01/2020 08:15:00 | 34 | 17837.5 | 2242.5 | 0.0 | -2242.5 | 12.57 | 0.00 | -1.152 | 0.000000 |
| Jath 110 kV | 09/01/2020 08:30:00 | 35 | 17837.5 | 2195.0 | 0.0 | -2195.0 | 12.31 | 0.00 | 0.576 | 0.000000 |
| Jath 110 kV | 09/01/2020 08:45:00 | 36 | 17837.5 | 2192.5 | 0.0 | -2192.5 | 12.29 | 0.00 | 0.000 | 0.000000 |
| Jath 110 kV | 09/01/2020 09:00:00 | 37 | 17837.5 | 2190.0 | 0.0 | -2190.0 | 12.28 | 0.00 | 1.152 | 0.000000 |
| Jath 110 kV | 09/01/2020 09:15:00 | 38 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 1.727 | 0.000000 |
| Jath 110 kV | 09/01/2020 09:30:00 | 39 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -3.839 | 0.000000 |
| Jath 110 kV | 09/01/2020 09:45:00 | 40 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -1.152 | 0.000000 |
| Jath 110 kV | 09/01/2020 10:00:00 | 41 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | 0.000 | 0.000000 |
| Jath 110 kV | 09/01/2020 10:15:00 | 42 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | 1.727 | 0.000000 |
| Jath 110 kV | 09/01/2020 10:30:00 | 43 | 17837.5 | 2195.0 | 0.0 | -2195.0 | 12.31 | 0.00 | 2.303 | 0.000000 |
| Jath 110 kV | 09/01/2020 10:45:00 | 44 | 17837.5 | 2192.5 | 0.0 | -2192.5 | 12.29 | 0.00 | -1.144 | 0.000000 |
| Jath 110 kV | 09/01/2020 11:00:00 | 45 | 17837.5 | 2190.0 | 0.0 | -2190.0 | 12.28 | 0.00 | -4.479 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jath 110 kV | 09/01/2020 11:15:00 | 46 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -3.519 | 0.000000 |
| Jath 110 kV | 09/01/2020 11:30:00 | 47 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -2.303 | 0.000000 |
| Jath 110 kV | 09/01/2020 11:45:00 | 48 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -0.576 | 0.000000 |
| Jath 110 kV | 09/01/2020 12:00:00 | 49 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | 0.000 | 0.000000 |
| Jath 110 kV | 09/01/2020 12:15:00 | 50 | 17837.5 | 2182.5 | 0.0 | -2182.5 | 12.24 | 0.00 | 3.839 | 0.000000 |
| Jath 110 kV | 09/01/2020 12:30:00 | 51 | 17837.5 | 2202.5 | 0.0 | -2202.5 | 12.35 | 0.00 | 3.199 | 0.000000 |
| Jath 110 kV | 09/01/2020 12:45:00 | 52 | 17837.5 | 2242.5 | 0.0 | -2242.5 | 12.57 | 0.00 | 3.199 | 0.000000 |
| Jath 110 kV | 09/01/2020 13:00:00 | 53 | 17837.5 | 2195.0 | 0.0 | -2195.0 | 12.31 | 0.00 | -1.152 | 0.000000 |
| Jath 110 kV | 09/01/2020 13:15:00 | 54 | 17837.5 | 2192.5 | 0.0 | -2192.5 | 12.29 | 0.00 | -1.152 | 0.000000 |
| Jath 110 kV | 09/01/2020 13:30:00 | 55 | 17837.5 | 2190.0 | 0.0 | -2190.0 | 12.28 | 0.00 | 1.727 | 0.000000 |
| Jath 110 kV | 09/01/2020 13:45:00 | 56 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 3.199 | 0.000000 |
| Jath 110 kV | 09/01/2020 14:00:00 | 57 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 4.345 | 0.000000 |
| Jath 110 kV | 09/01/2020 14:15:00 | 58 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 3.941 | 0.000000 |
| Jath 110 kV | 09/01/2020 14:30:00 | 59 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | 1.152 | 0.000000 |
| Jath 110 kV | 09/01/2020 14:45:00 | 60 | 17837.5 | 2195.0 | 0.0 | -2195.0 | 12.31 | 0.00 | -0.576 | 0.000000 |
| Jath 110 kV | 09/01/2020 15:00:00 | 61 | 17837.5 | 2192.5 | 0.0 | -2192.5 | 12.29 | 0.00 | -1.006 | 0.000000 |
| Jath 110 kV | 09/01/2020 15:15:00 | 62 | 17837.5 | 2190.0 | 0.0 | -2190.0 | 12.28 | 0.00 | 3.199 | 0.000000 |
| Jath 110 kV | 09/01/2020 15:30:00 | 63 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 2.879 | 0.000000 |
| Jath 110 kV | 09/01/2020 15:45:00 | 64 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 3.839 | 0.000000 |
| Jath 110 kV | 09/01/2020 16:00:00 | 65 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 1.727 | 0.000000 |
| Jath 110 kV | 09/01/2020 16:15:00 | 66 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jath 110 kV | 09/01/2020 16:30:00 | 67 | 17837.5 | 2182.5 | 0.0 | -2182.5 | 12.24 | 0.00 | -4.159 | 0.000000 |
| Jath 110 kV | 09/01/2020 16:45:00 | 68 | 17837.5 | 2202.5 | 0.0 | -2202.5 | 12.35 | 0.00 | 3.839 | 0.000000 |
| Jath 110 kV | 09/01/2020 17:00:00 | 69 | 17837.5 | 2242.5 | 0.0 | -2242.5 | 12.57 | 0.00 | 1.727 | 0.000000 |
| Jath 110 kV | 09/01/2020 17:15:00 | 70 | 17837.5 | 2195.0 | 0.0 | -2195.0 | 12.31 | 0.00 | 3.839 | 754.456107 |
| Jath 110 kV | 09/01/2020 17:30:00 | 71 | 17837.5 | 2192.5 | 0.0 | -2192.5 | 12.29 | 0.00 | -2.879 | 0.000000 |
| Jath 110 kV | 09/01/2020 17:45:00 | 72 | 17837.5 | 2190.0 | 0.0 | -2190.0 | 12.28 | 0.00 | -4.146 | 0.000000 |
| Jath 110 kV | 09/01/2020 18:00:00 | 73 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -3.349 | 0.000000 |
| Jath 110 kV | 09/01/2020 18:15:00 | 74 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -4.563 | 0.000000 |
| Jath 110 kV | 09/01/2020 18:30:00 | 75 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -3.839 | 0.000000 |
| Jath 110 kV | 09/01/2020 18:45:00 | 76 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | -2.879 | 0.000000 |
| Jath 110 kV | 09/01/2020 19:00:00 | 77 | 17837.5 | 2340.0 | 0.0 | -2340.0 | 13.12 | 0.00 | -3.199 | 0.000000 |
| Jath 110 kV | 09/01/2020 19:15:00 | 78 | 17837.5 | 2242.5 | 0.0 | -2242.5 | 12.57 | 0.00 | -1.727 | 0.000000 |
| Jath 110 kV | 09/01/2020 19:30:00 | 79 | 17837.5 | 2247.5 | 0.0 | -2247.5 | 12.6 | 0.00 | -1.442 | 0.000000 |
| Jath 110 kV | 09/01/2020 19:45:00 | 80 | 17837.5 | 2252.5 | 0.0 | -2252.5 | 12.63 | 0.00 | -0.286 | 0.000000 |
| Jath 110 kV | 09/01/2020 20:00:00 | 81 | 17837.5 | 2255.0 | 0.0 | -2255.0 | 12.64 | 0.00 | -1.070 | 0.000000 |
| Jath 110 kV | 09/01/2020 20:15:00 | 82 | 17837.5 | 2277.5 | 0.0 | -2277.5 | 12.77 | 0.00 | -2.236 | 0.000000 |
| Jath 110 kV | 09/01/2020 20:30:00 | 83 | 17837.5 | 2282.5 | 0.0 | -2282.5 | 12.8 | 0.00 | -4.799 | 0.000000 |
| Jath 110 kV | 09/01/2020 20:45:00 | 84 | 17837.5 | 2295.0 | 0.0 | -2295.0 | 12.87 | 0.00 | -1.727 | 0.000000 |
| Jath 110 kV | 09/01/2020 21:00:00 | 85 | 17837.5 | 2310.0 | 0.0 | -2310.0 | 12.95 | 0.00 | -1.727 | 0.000000 |
| Jath 110 kV | 09/01/2020 21:15:00 | 86 | 17837.5 | 2340.0 | 0.0 | -2340.0 | 13.12 | 0.00 | 1.152 | 0.000000 |
| Jath 110 kV | 09/01/2020 21:30:00 | 87 | 17837.5 | 2242.5 | 0.0 | -2242.5 | 12.57 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jath 110 kV | 09/01/2020 21:45:00 | 88 | 17837.5 | 2247.5 | 0.0 | -2247.5 | 12.6 | 0.00 | -2.303 | 0.000000 |
| Jath 110 kV | 09/01/2020 22:00:00 | 89 | 17837.5 | 2252.5 | 0.0 | -2252.5 | 12.63 | 0.00 | -2.795 | 0.000000 |
| Jath 110 kV | 09/01/2020 22:15:00 | 90 | 17837.5 | 2255.0 | 0.0 | -2255.0 | 12.64 | 0.00 | -3.674 | 0.000000 |
| Jath 110 kV | 09/01/2020 22:30:00 | 91 | 17837.5 | 2277.5 | 0.0 | -2277.5 | 12.77 | 0.00 | -2.303 | 0.000000 |
| Jath 110 kV | 09/01/2020 22:45:00 | 92 | 17837.5 | 2282.5 | 0.0 | -2282.5 | 12.8 | 0.00 | -1.152 | 0.000000 |
| Jath 110 kV | 09/01/2020 23:00:00 | 93 | 17837.5 | 2295.0 | 0.0 | -2295.0 | 12.87 | 0.00 | 0.000 | 0.000000 |
| Jath 110 kV | 09/01/2020 23:15:00 | 94 | 17837.5 | 2310.0 | 0.0 | -2310.0 | 12.95 | 0.00 | -0.576 | 0.000000 |
| Jath 110 kV | 09/01/2020 23:30:00 | 95 | 17837.5 | 2290.0 | 0.0 | -2290.0 | 12.84 | 0.00 | -0.576 | 0.000000 |
| Jath 110 kV | 09/01/2020 23:45:00 | 96 | 17837.5 | 2455.0 | 0.0 | -2455.0 | 13.76 | 0.00 | -0.987 | 0.000000 |
| Jath 110 kV | 10/01/2020 00:00:00 | 1 | 17837.5 | 2817.5 | 0.0 | -2817.5 | 15.8 | 70.94 | -0.680 | 0.000000 |
| Jath 110 kV | 10/01/2020 00:15:00 | 2 | 17837.5 | 2815.0 | 0.0 | -2815.0 | 15.78 | 69.69 | -3.326 | 0.000000 |
| Jath 110 kV | 10/01/2020 00:30:00 | 3 | 17837.5 | 2812.5 | 0.0 | -2812.5 | 15.77 | 68.44 | -2.992 | 0.000000 |
| Jath 110 kV | 10/01/2020 00:45:00 | 4 | 17837.5 | 2802.5 | 0.0 | -2802.5 | 15.71 | 63.44 | -0.532 | 0.000000 |
| Jath 110 kV | 10/01/2020 01:00:00 | 5 | 17837.5 | 2817.5 | 0.0 | -2817.5 | 15.8 | 70.94 | -0.713 | 0.000000 |
| Jath 110 kV | 10/01/2020 01:15:00 | 6 | 17837.5 | 2825.0 | 0.0 | -2825.0 | 15.84 | 74.69 | -0.548 | 0.000000 |
| Jath 110 kV | 10/01/2020 01:30:00 | 7 | 17837.5 | 2332.5 | 0.0 | -2332.5 | 13.08 | 0.00 | -2.658 | 0.000000 |
| Jath 110 kV | 10/01/2020 01:45:00 | 8 | 17837.5 | 2352.5 | 0.0 | -2352.5 | 13.19 | 0.00 | 2.127 | 0.000000 |
| Jath 110 kV | 10/01/2020 02:00:00 | 9 | 17837.5 | 2347.5 | 0.0 | -2347.5 | 13.16 | 0.00 | 5.342 | 4599.620548 |
| Jath 110 kV | 10/01/2020 02:15:00 | 10 | 17837.5 | 2345.0 | 0.0 | -2345.0 | 13.15 | 0.00 | 1.595 | 0.000000 |
| Jath 110 kV | 10/01/2020 02:30:00 | 11 | 17837.5 | 2335.0 | 0.0 | -2335.0 | 13.09 | 0.00 | 3.326 | 0.000000 |
| Jath 110 kV | 10/01/2020 02:45:00 | 12 | 17837.5 | 2335.0 | 0.0 | -2335.0 | 13.09 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jath 110 kV | 10/01/2020 03:00:00 | 13 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 2.658 | 0.000000 |
| Jath 110 kV | 10/01/2020 03:15:00 | 14 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | 2.127 | 345.270460 |
| Jath 110 kV | 10/01/2020 03:30:00 | 15 | 17837.5 | 2182.5 | 0.0 | -2182.5 | 12.24 | 0.00 | 2.127 | 410.289698 |
| Jath 110 kV | 10/01/2020 03:45:00 | 16 | 17837.5 | 2202.5 | 0.0 | -2202.5 | 12.35 | 0.00 | -1.063 | 0.000000 |
| Jath 110 kV | 10/01/2020 04:00:00 | 17 | 17837.5 | 2242.5 | 0.0 | -2242.5 | 12.57 | 0.00 | 1.595 | 0.000000 |
| Jath 110 kV | 10/01/2020 04:15:00 | 18 | 17837.5 | 2195.0 | 0.0 | -2195.0 | 12.31 | 0.00 | 3.326 | 1305.232468 |
| Jath 110 kV | 10/01/2020 04:30:00 | 19 | 17837.5 | 2192.5 | 0.0 | -2192.5 | 12.29 | 0.00 | 3.326 | 0.000000 |
| Jath 110 kV | 10/01/2020 04:45:00 | 20 | 17837.5 | 2190.0 | 0.0 | -2190.0 | 12.28 | 0.00 | 2.127 | 0.000000 |
| Jath 110 kV | 10/01/2020 05:00:00 | 21 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 2.992 | 0.000000 |
| Jath 110 kV | 10/01/2020 05:15:00 | 22 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 1.063 | 0.000000 |
| Jath 110 kV | 10/01/2020 05:30:00 | 23 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -2.658 | 0.000000 |
| Jath 110 kV | 10/01/2020 05:45:00 | 24 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | 2.127 | 0.000000 |
| Jath 110 kV | 10/01/2020 06:00:00 | 25 | 17837.5 | 2195.0 | 0.0 | -2195.0 | 12.31 | 0.00 | -2.127 | 0.000000 |
| Jath 110 kV | 10/01/2020 06:15:00 | 26 | 17837.5 | 2192.5 | 0.0 | -2192.5 | 12.29 | 0.00 | 2.658 | 556.213015 |
| Jath 110 kV | 10/01/2020 06:30:00 | 27 | 17837.5 | 2190.0 | 0.0 | -2190.0 | 12.28 | 0.00 | -2.992 | 0.000000 |
| Jath 110 kV | 10/01/2020 06:45:00 | 28 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -3.077 | 0.000000 |
| Jath 110 kV | 10/01/2020 07:00:00 | 29 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -0.687 | 0.000000 |
| Jath 110 kV | 10/01/2020 07:15:00 | 30 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -2.658 | 0.000000 |
| Jath 110 kV | 10/01/2020 07:30:00 | 31 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | -1.063 | 0.000000 |
| Jath 110 kV | 10/01/2020 07:45:00 | 32 | 17837.5 | 2182.5 | 0.0 | -2182.5 | 12.24 | 0.00 | -2.658 | 0.000000 |
| Jath 110 kV | 10/01/2020 08:00:00 | 33 | 17837.5 | 2202.5 | 0.0 | -2202.5 | 12.35 | 0.00 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jath 110 kV | 10/01/2020 08:15:00 | 34 | 17837.5 | 2242.5 | 0.0 | -2242.5 | 12.57 | 0.00 | -4.661 | 0.000000 |
| Jath 110 kV | 10/01/2020 08:30:00 | 35 | 17837.5 | 2195.0 | 0.0 | -2195.0 | 12.31 | 0.00 | 5.663 | 0.000000 |
| Jath 110 kV | 10/01/2020 08:45:00 | 36 | 17837.5 | 2192.5 | 0.0 | -2192.5 | 12.29 | 0.00 | 4.328 | 0.000000 |
| Jath 110 kV | 10/01/2020 09:00:00 | 37 | 17837.5 | 2190.0 | 0.0 | -2190.0 | 12.28 | 0.00 | -4.995 | 0.000000 |
| Jath 110 kV | 10/01/2020 09:15:00 | 38 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -4.327 | 0.000000 |
| Jath 110 kV | 10/01/2020 09:30:00 | 39 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -2.127 | 0.000000 |
| Jath 110 kV | 10/01/2020 09:45:00 | 40 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -1.152 | 0.000000 |
| Jath 110 kV | 10/01/2020 10:00:00 | 41 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | 0.000 | 0.000000 |
| Jath 110 kV | 10/01/2020 10:15:00 | 42 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | -0.532 | 0.000000 |
| Jath 110 kV | 10/01/2020 10:30:00 | 43 | 17837.5 | 2195.0 | 0.0 | -2195.0 | 12.31 | 0.00 | -1.063 | 0.000000 |
| Jath 110 kV | 10/01/2020 10:45:00 | 44 | 17837.5 | 2192.5 | 0.0 | -2192.5 | 12.29 | 0.00 | 0.000 | 0.000000 |
| Jath 110 kV | 10/01/2020 11:00:00 | 45 | 17837.5 | 2190.0 | 0.0 | -2190.0 | 12.28 | 0.00 | 2.658 | 0.000000 |
| Jath 110 kV | 10/01/2020 11:15:00 | 46 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 0.000 | 0.000000 |
| Jath 110 kV | 10/01/2020 11:30:00 | 47 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -1.595 | 0.000000 |
| Jath 110 kV | 10/01/2020 11:45:00 | 48 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 2.992 | 0.000000 |
| Jath 110 kV | 10/01/2020 12:00:00 | 49 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | 0.000 | 0.000000 |
| Jath 110 kV | 10/01/2020 12:15:00 | 50 | 17837.5 | 2182.5 | 0.0 | -2182.5 | 12.24 | 0.00 | 2.127 | 0.000000 |
| Jath 110 kV | 10/01/2020 12:30:00 | 51 | 17837.5 | 2202.5 | 0.0 | -2202.5 | 12.35 | 0.00 | 1.595 | 0.000000 |
| Jath 110 kV | 10/01/2020 12:45:00 | 52 | 17837.5 | 2242.5 | 0.0 | -2242.5 | 12.57 | 0.00 | -1.063 | 0.000000 |
| Jath 110 kV | 10/01/2020 13:00:00 | 53 | 17837.5 | 2195.0 | 0.0 | -2195.0 | 12.31 | 0.00 | 2.658 | 0.000000 |
| Jath 110 kV | 10/01/2020 13:15:00 | 54 | 17837.5 | 2192.5 | 0.0 | -2192.5 | 12.29 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jath 110 kV | 10/01/2020 13:30:00 | 55 | 17837.5 | 2190.0 | 0.0 | -2190.0 | 12.28 | 0.00 | 2.127 | 0.000000 |
| Jath 110 kV | 10/01/2020 13:45:00 | 56 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -3.326 | 0.000000 |
| Jath 110 kV | 10/01/2020 14:00:00 | 57 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -2.992 | 0.000000 |
| Jath 110 kV | 10/01/2020 14:15:00 | 58 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 3.660 | 0.000000 |
| Jath 110 kV | 10/01/2020 14:30:00 | 59 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | -2.127 | 0.000000 |
| Jath 110 kV | 10/01/2020 14:45:00 | 60 | 17837.5 | 2195.0 | 0.0 | -2195.0 | 12.31 | 0.00 | -2.127 | 0.000000 |
| Jath 110 kV | 10/01/2020 15:00:00 | 61 | 17837.5 | 2192.5 | 0.0 | -2192.5 | 12.29 | 0.00 | 0.000 | 0.000000 |
| Jath 110 kV | 10/01/2020 15:15:00 | 62 | 17837.5 | 2190.0 | 0.0 | -2190.0 | 12.28 | 0.00 | -2.992 | 0.000000 |
| Jath 110 kV | 10/01/2020 15:30:00 | 63 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -4.995 | 0.000000 |
| Jath 110 kV | 10/01/2020 15:45:00 | 64 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -4.327 | 0.000000 |
| Jath 110 kV | 10/01/2020 16:00:00 | 65 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -4.995 | 0.000000 |
| Jath 110 kV | 10/01/2020 16:15:00 | 66 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | -8.000 | 0.000000 |
| Jath 110 kV | 10/01/2020 16:30:00 | 67 | 17837.5 | 2182.5 | 0.0 | -2182.5 | 12.24 | 0.00 | -8.000 | 0.000000 |
| Jath 110 kV | 10/01/2020 16:45:00 | 68 | 17837.5 | 2202.5 | 0.0 | -2202.5 | 12.35 | 0.00 | 4.327 | 0.000000 |
| Jath 110 kV | 10/01/2020 17:00:00 | 69 | 17837.5 | 2242.5 | 0.0 | -2242.5 | 12.57 | 0.00 | 0.532 | 0.000000 |
| Jath 110 kV | 10/01/2020 17:15:00 | 70 | 17837.5 | 2195.0 | 0.0 | -2195.0 | 12.31 | 0.00 | -1.595 | 0.000000 |
| Jath 110 kV | 10/01/2020 17:30:00 | 71 | 17837.5 | 2192.5 | 0.0 | -2192.5 | 12.29 | 0.00 | -2.658 | 0.000000 |
| Jath 110 kV | 10/01/2020 17:45:00 | 72 | 17837.5 | 2190.0 | 0.0 | -2190.0 | 12.28 | 0.00 | -2.127 | 0.000000 |
| Jath 110 kV | 10/01/2020 18:00:00 | 73 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -1.461 | 0.000000 |
| Jath 110 kV | 10/01/2020 18:15:00 | 74 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 3.326 | 766.087313 |
| Jath 110 kV | 10/01/2020 18:30:00 | 75 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jath 110 kV | 10/01/2020 18:45:00 | 76 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | 3.994 | 363.477852 |
| Jath 110 kV | 10/01/2020 19:00:00 | 77 | 17837.5 | 2340.0 | 0.0 | -2340.0 | 13.12 | 0.00 | -2.127 | 0.000000 |
| Jath 110 kV | 10/01/2020 19:15:00 | 78 | 17837.5 | 2242.5 | 0.0 | -2242.5 | 12.57 | 0.00 | -2.658 | 0.000000 |
| Jath 110 kV | 10/01/2020 19:30:00 | 79 | 17837.5 | 2247.5 | 0.0 | -2247.5 | 12.6 | 0.00 | -3.660 | 0.000000 |
| Jath 110 kV | 10/01/2020 19:45:00 | 80 | 17837.5 | 2252.5 | 0.0 | -2252.5 | 12.63 | 0.00 | -3.326 | 0.000000 |
| Jath 110 kV | 10/01/2020 20:00:00 | 81 | 17837.5 | 2255.0 | 0.0 | -2255.0 | 12.64 | 0.00 | 3.660 | 549.698771 |
| Jath 110 kV | 10/01/2020 20:15:00 | 82 | 17837.5 | 2277.5 | 0.0 | -2277.5 | 12.77 | 0.00 | 3.660 | 2384.204286 |
| Jath 110 kV | 10/01/2020 20:30:00 | 83 | 17837.5 | 2282.5 | 0.0 | -2282.5 | 12.8 | 0.00 | 4.995 | 3392.162440 |
| Jath 110 kV | 10/01/2020 20:45:00 | 84 | 17837.5 | 2295.0 | 0.0 | -2295.0 | 12.87 | 0.00 | 2.992 | 2411.883267 |
| Jath 110 kV | 10/01/2020 21:00:00 | 85 | 17837.5 | 2310.0 | 0.0 | -2310.0 | 12.95 | 0.00 | -3.660 | 0.000000 |
| Jath 110 kV | 10/01/2020 21:15:00 | 86 | 17837.5 | 2340.0 | 0.0 | -2340.0 | 13.12 | 0.00 | -1.595 | 0.000000 |
| Jath 110 kV | 10/01/2020 21:30:00 | 87 | 17837.5 | 2242.5 | 0.0 | -2242.5 | 12.57 | 0.00 | -1.063 | 0.000000 |
| Jath 110 kV | 10/01/2020 21:45:00 | 88 | 17837.5 | 2247.5 | 0.0 | -2247.5 | 12.6 | 0.00 | -0.532 | 0.000000 |
| Jath 110 kV | 10/01/2020 22:00:00 | 89 | 17837.5 | 2252.5 | 0.0 | -2252.5 | 12.63 | 0.00 | -1.595 | 0.000000 |
| Jath 110 kV | 10/01/2020 22:15:00 | 90 | 17837.5 | 2255.0 | 0.0 | -2255.0 | 12.64 | 0.00 | -2.127 | 0.000000 |
| Jath 110 kV | 10/01/2020 22:30:00 | 91 | 17837.5 | 2277.5 | 0.0 | -2277.5 | 12.77 | 0.00 | 1.063 | 0.000000 |
| Jath 110 kV | 10/01/2020 22:45:00 | 92 | 17837.5 | 2282.5 | 0.0 | -2282.5 | 12.8 | 0.00 | -2.658 | 0.000000 |
| Jath 110 kV | 10/01/2020 23:00:00 | 93 | 17837.5 | 2295.0 | 0.0 | -2295.0 | 12.87 | 0.00 | -2.658 | 0.000000 |
| Jath 110 kV | 10/01/2020 23:15:00 | 94 | 17837.5 | 2310.0 | 0.0 | -2310.0 | 12.95 | 0.00 | 0.000 | 0.000000 |
| Jath 110 kV | 10/01/2020 23:30:00 | 95 | 17837.5 | 2290.0 | 0.0 | -2290.0 | 12.84 | 0.00 | 0.000 | 0.000000 |
| Jath 110 kV | 10/01/2020 23:45:00 | 96 | 17837.5 | 2455.0 | 0.0 | -2455.0 | 13.76 | 0.00 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jath 110 kV | 11/01/2020 00:00:00 | 1 | 17837.5 | 2347.5 | 0.0 | -2347.5 | 13.16 | 0.00 | 0.000 | 0.000000 |
| Jath 110 kV | 11/01/2020 00:15:00 | 2 | 17837.5 | 2345.0 | 0.0 | -2345.0 | 13.15 | 0.00 | -2.629 | 0.000000 |
| Jath 110 kV | 11/01/2020 00:30:00 | 3 | 17837.5 | 2335.0 | 0.0 | -2335.0 | 13.09 | 0.00 | -1.577 | 0.000000 |
| Jath 110 kV | 11/01/2020 00:45:00 | 4 | 17837.5 | 2335.0 | 0.0 | -2335.0 | 13.09 | 0.00 | 2.103 | 0.000000 |
| Jath 110 kV | 11/01/2020 01:00:00 | 5 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 2.964 | 1024.192619 |
| Jath 110 kV | 11/01/2020 01:15:00 | 6 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | 1.052 | 143.610088 |
| Jath 110 kV | 11/01/2020 01:30:00 | 7 | 17837.5 | 2182.5 | 0.0 | -2182.5 | 12.24 | 0.00 | 1.577 | 256.268686 |
| Jath 110 kV | 11/01/2020 01:45:00 | 8 | 17837.5 | 2202.5 | 0.0 | -2202.5 | 12.35 | 0.00 | -0.526 | 0.000000 |
| Jath 110 kV | 11/01/2020 02:00:00 | 9 | 17837.5 | 2242.5 | 0.0 | -2242.5 | 12.57 | 0.00 | -0.403 | 0.000000 |
| Jath 110 kV | 11/01/2020 02:15:00 | 10 | 17837.5 | 2195.0 | 0.0 | -2195.0 | 12.31 | 0.00 | -0.630 | 0.000000 |
| Jath 110 kV | 11/01/2020 02:30:00 | 11 | 17837.5 | 2192.5 | 0.0 | -2192.5 | 12.29 | 0.00 | -0.526 | 0.000000 |
| Jath 110 kV | 11/01/2020 02:45:00 | 12 | 17837.5 | 2190.0 | 0.0 | -2190.0 | 12.28 | 0.00 | -0.526 | 0.000000 |
| Jath 110 kV | 11/01/2020 03:00:00 | 13 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -1.051 | 0.000000 |
| Jath 110 kV | 11/01/2020 03:15:00 | 14 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 0.000 | 0.000000 |
| Jath 110 kV | 11/01/2020 03:30:00 | 15 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 0.000 | 0.000000 |
| Jath 110 kV | 11/01/2020 03:45:00 | 16 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | 0.000 | 0.000000 |
| Jath 110 kV | 11/01/2020 04:00:00 | 17 | 17837.5 | 2195.0 | 0.0 | -2195.0 | 12.31 | 0.00 | 0.000 | 0.000000 |
| Jath 110 kV | 11/01/2020 04:15:00 | 18 | 17837.5 | 2192.5 | 0.0 | -2192.5 | 12.29 | 0.00 | -1.051 | 0.000000 |
| Jath 110 kV | 11/01/2020 04:30:00 | 19 | 17837.5 | 2190.0 | 0.0 | -2190.0 | 12.28 | 0.00 | -2.964 | 0.000000 |
| Jath 110 kV | 11/01/2020 04:45:00 | 20 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -3.300 | 0.000000 |
| Jath 110 kV | 11/01/2020 05:00:00 | 21 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jath 110 kV | 11/01/2020 05:15:00 | 22 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 5.314 | 2731.527498 |
| Jath 110 kV | 11/01/2020 05:30:00 | 23 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | 2.964 | 1318.370217 |
| Jath 110 kV | 11/01/2020 05:45:00 | 24 | 17837.5 | 2182.5 | 0.0 | -2182.5 | 12.24 | 0.00 | 2.103 | 0.000000 |
| Jath 110 kV | 11/01/2020 06:00:00 | 25 | 17837.5 | 2202.5 | 0.0 | -2202.5 | 12.35 | 0.00 | 3.636 | 0.000000 |
| Jath 110 kV | 11/01/2020 06:15:00 | 26 | 17837.5 | 2242.5 | 0.0 | -2242.5 | 12.57 | 0.00 | 2.964 | 0.000000 |
| Jath 110 kV | 11/01/2020 06:30:00 | 27 | 17837.5 | 2195.0 | 0.0 | -2195.0 | 12.31 | 0.00 | 4.105 | 1612.513783 |
| Jath 110 kV | 11/01/2020 06:45:00 | 28 | 17837.5 | 2192.5 | 0.0 | -2192.5 | 12.29 | 0.00 | 5.650 | 339.075184 |
| Jath 110 kV | 11/01/2020 07:00:00 | 29 | 17837.5 | 2190.0 | 0.0 | -2190.0 | 12.28 | 0.00 | 3.300 | 0.000000 |
| Jath 110 kV | 11/01/2020 07:15:00 | 30 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 5.314 | 0.000000 |
| Jath 110 kV | 11/01/2020 07:30:00 | 31 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 2.964 | 0.000000 |
| Jath 110 kV | 11/01/2020 07:45:00 | 32 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 2.103 | 0.000000 |
| Jath 110 kV | 11/01/2020 08:00:00 | 33 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | -1.577 | 0.000000 |
| Jath 110 kV | 11/01/2020 08:15:00 | 34 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | 3.300 | 0.000000 |
| Jath 110 kV | 11/01/2020 08:30:00 | 35 | 17837.5 | 2195.0 | 0.0 | -2195.0 | 12.31 | 0.00 | 2.116 | 0.000000 |
| Jath 110 kV | 11/01/2020 08:45:00 | 36 | 17837.5 | 2192.5 | 0.0 | -2192.5 | 12.29 | 0.00 | 2.964 | 0.000000 |
| Jath 110 kV | 11/01/2020 09:00:00 | 37 | 17837.5 | 2190.0 | 0.0 | -2190.0 | 12.28 | 0.00 | 6.681 | 0.000000 |
| Jath 110 kV | 11/01/2020 09:15:00 | 38 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 6.657 | 0.000000 |
| Jath 110 kV | 11/01/2020 09:30:00 | 39 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -6.322 | 0.000000 |
| Jath 110 kV | 11/01/2020 09:45:00 | 40 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -2.103 | 0.000000 |
| Jath 110 kV | 11/01/2020 10:00:00 | 41 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | 0.526 | 0.000000 |
| Jath 110 kV | 11/01/2020 10:15:00 | 42 | 17837.5 | 2182.5 | 0.0 | -2182.5 | 12.24 | 0.00 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jath 110 kV | 11/01/2020 10:30:00 | 43 | 17837.5 | 2202.5 | 0.0 | -2202.5 | 12.35 | 0.00 | 0.000 | 0.000000 |
| Jath 110 kV | 11/01/2020 10:45:00 | 44 | 17837.5 | 2242.5 | 0.0 | -2242.5 | 12.57 | 0.00 | 0.000 | 0.000000 |
| Jath 110 kV | 11/01/2020 11:00:00 | 45 | 17837.5 | 2195.0 | 0.0 | -2195.0 | 12.31 | 0.00 | 0.000 | 0.000000 |
| Jath 110 kV | 11/01/2020 11:15:00 | 46 | 17837.5 | 2192.5 | 0.0 | -2192.5 | 12.29 | 0.00 | -2.964 | 0.000000 |
| Jath 110 kV | 11/01/2020 11:30:00 | 47 | 17837.5 | 2190.0 | 0.0 | -2190.0 | 12.28 | 0.00 | -4.307 | 0.000000 |
| Jath 110 kV | 11/01/2020 11:45:00 | 48 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -3.300 | 0.000000 |
| Jath 110 kV | 11/01/2020 12:00:00 | 49 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -0.526 | 0.000000 |
| Jath 110 kV | 11/01/2020 12:15:00 | 50 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -2.103 | 0.000000 |
| Jath 110 kV | 11/01/2020 12:30:00 | 51 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | -2.629 | 0.000000 |
| Jath 110 kV | 11/01/2020 12:45:00 | 52 | 17837.5 | 2195.0 | 0.0 | -2195.0 | 12.31 | 0.00 | -2.629 | 0.000000 |
| Jath 110 kV | 11/01/2020 13:00:00 | 53 | 17837.5 | 2192.5 | 0.0 | -2192.5 | 12.29 | 0.00 | 0.000 | 0.000000 |
| Jath 110 kV | 11/01/2020 13:15:00 | 54 | 17837.5 | 2190.0 | 0.0 | -2190.0 | 12.28 | 0.00 | -2.103 | 0.000000 |
| Jath 110 kV | 11/01/2020 13:30:00 | 55 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 2.629 | 0.000000 |
| Jath 110 kV | 11/01/2020 13:45:00 | 56 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 2.103 | 0.000000 |
| Jath 110 kV | 11/01/2020 14:00:00 | 57 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 1.051 | 0.000000 |
| Jath 110 kV | 11/01/2020 14:15:00 | 58 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | 3.300 | 0.000000 |
| Jath 110 kV | 11/01/2020 14:30:00 | 59 | 17837.5 | 2182.5 | 0.0 | -2182.5 | 12.24 | 0.00 | -3.636 | 0.000000 |
| Jath 110 kV | 11/01/2020 14:45:00 | 60 | 17837.5 | 2202.5 | 0.0 | -2202.5 | 12.35 | 0.00 | 4.979 | 0.000000 |
| Jath 110 kV | 11/01/2020 15:00:00 | 61 | 17837.5 | 2242.5 | 0.0 | -2242.5 | 12.57 | 0.00 | -2.964 | 0.000000 |
| Jath 110 kV | 11/01/2020 15:15:00 | 62 | 17837.5 | 2195.0 | 0.0 | -2195.0 | 12.31 | 0.00 | -5.314 | 0.000000 |
| Jath 110 kV | 11/01/2020 15:30:00 | 63 | 17837.5 | 2192.5 | 0.0 | -2192.5 | 12.29 | 0.00 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jath 110 kV | 11/01/2020 15:45:00 | 64 | 17837.5 | 2190.0 | 0.0 | -2190.0 | 12.28 | 0.00 | 4.643 | 0.000000 |
| Jath 110 kV | 11/01/2020 16:00:00 | 65 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 2.103 | 0.000000 |
| Jath 110 kV | 11/01/2020 16:15:00 | 66 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -2.964 | 0.000000 |
| Jath 110 kV | 11/01/2020 16:30:00 | 67 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -2.103 | 0.000000 |
| Jath 110 kV | 11/01/2020 16:45:00 | 68 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | 3.972 | 0.000000 |
| Jath 110 kV | 11/01/2020 17:00:00 | 69 | 17837.5 | 2340.0 | 0.0 | -2340.0 | 13.12 | 0.00 | -1.577 | 0.000000 |
| Jath 110 kV | 11/01/2020 17:15:00 | 70 | 17837.5 | 2242.5 | 0.0 | -2242.5 | 12.57 | 0.00 | -1.577 | 0.000000 |
| Jath 110 kV | 11/01/2020 17:30:00 | 71 | 17837.5 | 2247.5 | 0.0 | -2247.5 | 12.6 | 0.00 | 1.051 | 28.676628 |
| Jath 110 kV | 11/01/2020 17:45:00 | 72 | 17837.5 | 2252.5 | 0.0 | -2252.5 | 12.63 | 0.00 | -2.103 | 0.000000 |
| Jath 110 kV | 11/01/2020 18:00:00 | 73 | 17837.5 | 2255.0 | 0.0 | -2255.0 | 12.64 | 0.00 | -2.964 | 0.000000 |
| Jath 110 kV | 11/01/2020 18:15:00 | 74 | 17837.5 | 2277.5 | 0.0 | -2277.5 | 12.77 | 0.00 | -2.629 | 0.000000 |
| Jath 110 kV | 11/01/2020 18:30:00 | 75 | 17837.5 | 2282.5 | 0.0 | -2282.5 | 12.8 | 0.00 | 2.103 | 80.235568 |
| Jath 110 kV | 11/01/2020 18:45:00 | 76 | 17837.5 | 2295.0 | 0.0 | -2295.0 | 12.87 | 0.00 | 0.526 | 236.217076 |
| Jath 110 kV | 11/01/2020 19:00:00 | 77 | 17837.5 | 2310.0 | 0.0 | -2310.0 | 12.95 | 0.00 | 2.103 | 944.320026 |
| Jath 110 kV | 11/01/2020 19:15:00 | 78 | 17837.5 | 2340.0 | 0.0 | -2340.0 | 13.12 | 0.00 | -1.052 | 0.000000 |
| Jath 110 kV | 11/01/2020 19:30:00 | 79 | 17837.5 | 2242.5 | 0.0 | -2242.5 | 12.57 | 0.00 | 2.964 | 0.000000 |
| Jath 110 kV | 11/01/2020 19:45:00 | 80 | 17837.5 | 2247.5 | 0.0 | -2247.5 | 12.6 | 0.00 | 2.629 | 1671.773448 |
| Jath 110 kV | 11/01/2020 20:00:00 | 81 | 17837.5 | 2252.5 | 0.0 | -2252.5 | 12.63 | 0.00 | 2.629 | 366.325692 |
| Jath 110 kV | 11/01/2020 20:15:00 | 82 | 17837.5 | 2255.0 | 0.0 | -2255.0 | 12.64 | 0.00 | 4.307 | 1209.300864 |
| Jath 110 kV | 11/01/2020 20:30:00 | 83 | 17837.5 | 2277.5 | 0.0 | -2277.5 | 12.77 | 0.00 | 2.964 | 3131.587808 |
| Jath 110 kV | 11/01/2020 20:45:00 | 84 | 17837.5 | 2282.5 | 0.0 | -2282.5 | 12.8 | 0.00 | 2.629 | 2694.041247 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jath 110 kV | 11/01/2020 21:00:00 | 85 | 17837.5 | 2295.0 | 0.0 | -2295.0 | 12.87 | 0.00 | 3.636 | 491.974626 |
| Jath 110 kV | 11/01/2020 21:15:00 | 86 | 17837.5 | 2310.0 | 0.0 | -2310.0 | 12.95 | 0.00 | -1.577 | 0.000000 |
| Jath 110 kV | 11/01/2020 21:30:00 | 87 | 17837.5 | 2290.0 | 0.0 | -2290.0 | 12.84 | 0.00 | -1.577 | 0.000000 |
| Jath 110 kV | 11/01/2020 21:45:00 | 88 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -1.052 | 0.000000 |
| Jath 110 kV | 11/01/2020 22:00:00 | 89 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -5.650 | 0.000000 |
| Jath 110 kV | 11/01/2020 22:15:00 | 90 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | -5.650 | 0.000000 |
| Jath 110 kV | 11/01/2020 22:30:00 | 91 | 17837.5 | 2340.0 | 0.0 | -2340.0 | 13.12 | 0.00 | 4.979 | 1128.246503 |
| Jath 110 kV | 11/01/2020 22:45:00 | 92 | 17837.5 | 2242.5 | 0.0 | -2242.5 | 12.57 | 0.00 | 2.964 | 1408.251620 |
| Jath 110 kV | 11/01/2020 23:00:00 | 93 | 17837.5 | 2247.5 | 0.0 | -2247.5 | 12.6 | 0.00 | 1.577 | 351.436495 |
| Jath 110 kV | 11/01/2020 23:15:00 | 94 | 17837.5 | 2252.5 | 0.0 | -2252.5 | 12.63 | 0.00 | 1.074 | 288.094073 |
| Jath 110 kV | 11/01/2020 23:30:00 | 95 | 17837.5 | 2255.0 | 0.0 | -2255.0 | 12.64 | 0.00 | 2.113 | 1299.981365 |
| Jath 110 kV | 11/01/2020 23:45:00 | 96 | 17837.5 | 2277.5 | 0.0 | -2277.5 | 12.77 | 0.00 | 2.162 | 1692.647921 |
| Jath 110 kV | 12/01/2020 00:00:00 | 1 | 17837.5 | 2347.5 | 0.0 | -2347.5 | 13.16 | 0.00 | 3.022 | 1443.871787 |
| Jath 110 kV | 12/01/2020 00:15:00 | 2 | 17837.5 | 2345.0 | 0.0 | -2345.0 | 13.15 | 0.00 | -2.152 | 0.000000 |
| Jath 110 kV | 12/01/2020 00:30:00 | 3 | 17837.5 | 2335.0 | 0.0 | -2335.0 | 13.09 | 0.00 | -2.152 | 0.000000 |
| Jath 110 kV | 12/01/2020 00:45:00 | 4 | 17837.5 | 2335.0 | 0.0 | -2335.0 | 13.09 | 0.00 | -3.022 | 0.000000 |
| Jath 110 kV | 12/01/2020 01:00:00 | 5 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -0.629 | 0.000000 |
| Jath 110 kV | 12/01/2020 01:15:00 | 6 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | -3.317 | 0.000000 |
| Jath 110 kV | 12/01/2020 01:30:00 | 7 | 17837.5 | 2182.5 | 0.0 | -2182.5 | 12.24 | 0.00 | -3.354 | 0.000000 |
| Jath 110 kV | 12/01/2020 01:45:00 | 8 | 17837.5 | 2202.5 | 0.0 | -2202.5 | 12.35 | 0.00 | -3.022 | 0.000000 |
| Jath 110 kV | 12/01/2020 02:00:00 | 9 | 17837.5 | 2242.5 | 0.0 | -2242.5 | 12.57 | 0.00 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jath 110 kV | 12/01/2020 02:15:00 | 10 | 17837.5 | 2195.0 | 0.0 | -2195.0 | 12.31 | 0.00 | -3.022 | 0.000000 |
| Jath 110 kV | 12/01/2020 02:30:00 | 11 | 17837.5 | 2192.5 | 0.0 | -2192.5 | 12.29 | 0.00 | -2.690 | 0.000000 |
| Jath 110 kV | 12/01/2020 02:45:00 | 12 | 17837.5 | 2190.0 | 0.0 | -2190.0 | 12.28 | 0.00 | -3.022 | 0.000000 |
| Jath 110 kV | 12/01/2020 03:00:00 | 13 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 3.354 | 1032.201743 |
| Jath 110 kV | 12/01/2020 03:15:00 | 14 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 3.022 | 1265.849674 |
| Jath 110 kV | 12/01/2020 03:30:00 | 15 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 3.354 | 469.505758 |
| Jath 110 kV | 12/01/2020 03:45:00 | 16 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | 2.152 | 0.000000 |
| Jath 110 kV | 12/01/2020 04:00:00 | 17 | 17837.5 | 2195.0 | 0.0 | -2195.0 | 12.31 | 0.00 | -2.152 | 0.000000 |
| Jath 110 kV | 12/01/2020 04:15:00 | 18 | 17837.5 | 2192.5 | 0.0 | -2192.5 | 12.29 | 0.00 | -3.022 | 0.000000 |
| Jath 110 kV | 12/01/2020 04:30:00 | 19 | 17837.5 | 2190.0 | 0.0 | -2190.0 | 12.28 | 0.00 | 1.076 | 0.000000 |
| Jath 110 kV | 12/01/2020 04:45:00 | 20 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -3.022 | 0.000000 |
| Jath 110 kV | 12/01/2020 05:00:00 | 21 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 3.686 | 0.000000 |
| Jath 110 kV | 12/01/2020 05:15:00 | 22 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 3.686 | 2405.129820 |
| Jath 110 kV | 12/01/2020 05:30:00 | 23 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | -1.614 | 0.000000 |
| Jath 110 kV | 12/01/2020 05:45:00 | 24 | 17837.5 | 2182.5 | 0.0 | -2182.5 | 12.24 | 0.00 | -0.496 | 0.000000 |
| Jath 110 kV | 12/01/2020 06:00:00 | 25 | 17837.5 | 2202.5 | 0.0 | -2202.5 | 12.35 | 0.00 | 0.000 | 0.000000 |
| Jath 110 kV | 12/01/2020 06:15:00 | 26 | 17837.5 | 2242.5 | 0.0 | -2242.5 | 12.57 | 0.00 | -0.430 | 0.000000 |
| Jath 110 kV | 12/01/2020 06:30:00 | 27 | 17837.5 | 2195.0 | 0.0 | -2195.0 | 12.31 | 0.00 | -2.152 | 0.000000 |
| Jath 110 kV | 12/01/2020 06:45:00 | 28 | 17837.5 | 2192.5 | 0.0 | -2192.5 | 12.29 | 0.00 | 4.681 | 0.000000 |
| Jath 110 kV | 12/01/2020 07:00:00 | 29 | 17837.5 | 2190.0 | 0.0 | -2190.0 | 12.28 | 0.00 | 1.614 | 0.000000 |
| Jath 110 kV | 12/01/2020 07:15:00 | 30 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 3.838 | 1804.291026 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jath 110 kV | 12/01/2020 07:30:00 | 31 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 3.022 | 0.000000 |
| Jath 110 kV | 12/01/2020 07:45:00 | 32 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 2.690 | 0.000000 |
| Jath 110 kV | 12/01/2020 08:00:00 | 33 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | -2.690 | 0.000000 |
| Jath 110 kV | 12/01/2020 08:15:00 | 34 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | -4.018 | 0.000000 |
| Jath 110 kV | 12/01/2020 08:30:00 | 35 | 17837.5 | 2195.0 | 0.0 | -2195.0 | 12.31 | 0.00 | -2.690 | 0.000000 |
| Jath 110 kV | 12/01/2020 08:45:00 | 36 | 17837.5 | 2192.5 | 0.0 | -2192.5 | 12.29 | 0.00 | 3.022 | 0.000000 |
| Jath 110 kV | 12/01/2020 09:00:00 | 37 | 17837.5 | 2190.0 | 0.0 | -2190.0 | 12.28 | 0.00 | -3.354 | 0.000000 |
| Jath 110 kV | 12/01/2020 09:15:00 | 38 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -4.350 | 0.000000 |
| Jath 110 kV | 12/01/2020 09:30:00 | 39 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 2.152 | 0.000000 |
| Jath 110 kV | 12/01/2020 09:45:00 | 40 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -2.690 | 0.000000 |
| Jath 110 kV | 12/01/2020 10:00:00 | 41 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | -3.354 | 0.000000 |
| Jath 110 kV | 12/01/2020 10:15:00 | 42 | 17837.5 | 2182.5 | 0.0 | -2182.5 | 12.24 | 0.00 | -3.686 | 0.000000 |
| Jath 110 kV | 12/01/2020 10:30:00 | 43 | 17837.5 | 2202.5 | 0.0 | -2202.5 | 12.35 | 0.00 | -1.614 | 0.000000 |
| Jath 110 kV | 12/01/2020 10:45:00 | 44 | 17837.5 | 2242.5 | 0.0 | -2242.5 | 12.57 | 0.00 | 3.686 | 0.000000 |
| Jath 110 kV | 12/01/2020 11:00:00 | 45 | 17837.5 | 2195.0 | 0.0 | -2195.0 | 12.31 | 0.00 | -3.354 | 0.000000 |
| Jath 110 kV | 12/01/2020 11:15:00 | 46 | 17837.5 | 2192.5 | 0.0 | -2192.5 | 12.29 | 0.00 | -5.450 | 0.000000 |
| Jath 110 kV | 12/01/2020 11:30:00 | 47 | 17837.5 | 2190.0 | 0.0 | -2190.0 | 12.28 | 0.00 | -6.009 | 0.000000 |
| Jath 110 kV | 12/01/2020 11:45:00 | 48 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 2.690 | 0.000000 |
| Jath 110 kV | 12/01/2020 12:00:00 | 49 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 3.686 | 0.000000 |
| Jath 110 kV | 12/01/2020 12:15:00 | 50 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -5.345 | 0.000000 |
| Jath 110 kV | 12/01/2020 12:30:00 | 51 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jath 110 kV | 12/01/2020 12:45:00 | 52 | 17837.5 | 2195.0 | 0.0 | -2195.0 | 12.31 | 0.00 | -5.345 | 0.000000 |
| Jath 110 kV | 12/01/2020 13:00:00 | 53 | 17837.5 | 2192.5 | 0.0 | -2192.5 | 12.29 | 0.00 | -3.999 | 0.000000 |
| Jath 110 kV | 12/01/2020 13:15:00 | 54 | 17837.5 | 2190.0 | 0.0 | -2190.0 | 12.28 | 0.00 | -4.350 | 0.000000 |
| Jath 110 kV | 12/01/2020 13:30:00 | 55 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -1.076 | 0.000000 |
| Jath 110 kV | 12/01/2020 13:45:00 | 56 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -2.690 | 0.000000 |
| Jath 110 kV | 12/01/2020 14:00:00 | 57 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -0.538 | 0.000000 |
| Jath 110 kV | 12/01/2020 14:15:00 | 58 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | -2.152 | 0.000000 |
| Jath 110 kV | 12/01/2020 14:30:00 | 59 | 17837.5 | 2182.5 | 0.0 | -2182.5 | 12.24 | 0.00 | -2.690 | 0.000000 |
| Jath 110 kV | 12/01/2020 14:45:00 | 60 | 17837.5 | 2202.5 | 0.0 | -2202.5 | 12.35 | 0.00 | -1.076 | 0.000000 |
| Jath 110 kV | 12/01/2020 15:00:00 | 61 | 17837.5 | 2242.5 | 0.0 | -2242.5 | 12.57 | 0.00 | 0.000 | 0.000000 |
| Jath 110 kV | 12/01/2020 15:15:00 | 62 | 17837.5 | 2195.0 | 0.0 | -2195.0 | 12.31 | 0.00 | -2.690 | 0.000000 |
| Jath 110 kV | 12/01/2020 15:30:00 | 63 | 17837.5 | 2192.5 | 0.0 | -2192.5 | 12.29 | 0.00 | -3.022 | 0.000000 |
| Jath 110 kV | 12/01/2020 15:45:00 | 64 | 17837.5 | 2190.0 | 0.0 | -2190.0 | 12.28 | 0.00 | -3.686 | 0.000000 |
| Jath 110 kV | 12/01/2020 16:00:00 | 65 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -3.737 | 0.000000 |
| Jath 110 kV | 12/01/2020 16:15:00 | 66 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -5.786 | 0.000000 |
| Jath 110 kV | 12/01/2020 16:30:00 | 67 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -4.350 | 0.000000 |
| Jath 110 kV | 12/01/2020 16:45:00 | 68 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | -1.614 | 0.000000 |
| Jath 110 kV | 12/01/2020 17:00:00 | 69 | 17837.5 | 2340.0 | 0.0 | -2340.0 | 13.12 | 0.00 | 0.000 | 0.000000 |
| Jath 110 kV | 12/01/2020 17:15:00 | 70 | 17837.5 | 2242.5 | 0.0 | -2242.5 | 12.57 | 0.00 | 2.690 | 581.376554 |
| Jath 110 kV | 12/01/2020 17:30:00 | 71 | 17837.5 | 2247.5 | 0.0 | -2247.5 | 12.6 | 0.00 | -3.022 | 0.000000 |
| Jath 110 kV | 12/01/2020 17:45:00 | 72 | 17837.5 | 2252.5 | 0.0 | -2252.5 | 12.63 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jath 110 kV | 12/01/2020 18:00:00 | 73 | 17837.5 | 2255.0 | 0.0 | -2255.0 | 12.64 | 0.00 | -0.538 | 0.000000 |
| Jath 110 kV | 12/01/2020 18:15:00 | 74 | 17837.5 | 2277.5 | 0.0 | -2277.5 | 12.77 | 0.00 | -4.350 | 0.000000 |
| Jath 110 kV | 12/01/2020 18:30:00 | 75 | 17837.5 | 2282.5 | 0.0 | -2282.5 | 12.8 | 0.00 | 2.690 | 392.510444 |
| Jath 110 kV | 12/01/2020 18:45:00 | 76 | 17837.5 | 2295.0 | 0.0 | -2295.0 | 12.87 | 0.00 | 3.022 | 2542.553035 |
| Jath 110 kV | 12/01/2020 19:00:00 | 77 | 17837.5 | 2310.0 | 0.0 | -2310.0 | 12.95 | 0.00 | 3.686 | 822.029664 |
| Jath 110 kV | 12/01/2020 19:15:00 | 78 | 17837.5 | 2340.0 | 0.0 | -2340.0 | 13.12 | 0.00 | 2.690 | 49.427951 |
| Jath 110 kV | 12/01/2020 19:30:00 | 79 | 17837.5 | 2242.5 | 0.0 | -2242.5 | 12.57 | 0.00 | -3.022 | 0.000000 |
| Jath 110 kV | 12/01/2020 19:45:00 | 80 | 17837.5 | 2247.5 | 0.0 | -2247.5 | 12.6 | 0.00 | -1.781 | 0.000000 |
| Jath 110 kV | 12/01/2020 20:00:00 | 81 | 17837.5 | 2252.5 | 0.0 | -2252.5 | 12.63 | 0.00 | -3.021 | 0.000000 |
| Jath 110 kV | 12/01/2020 20:15:00 | 82 | 17837.5 | 2255.0 | 0.0 | -2255.0 | 12.64 | 0.00 | -4.018 | 0.000000 |
| Jath 110 kV | 12/01/2020 20:30:00 | 83 | 17837.5 | 2277.5 | 0.0 | -2277.5 | 12.77 | 0.00 | -3.354 | 0.000000 |
| Jath 110 kV | 12/01/2020 20:45:00 | 84 | 17837.5 | 2282.5 | 0.0 | -2282.5 | 12.8 | 0.00 | -1.614 | 0.000000 |
| Jath 110 kV | 12/01/2020 21:00:00 | 85 | 17837.5 | 2295.0 | 0.0 | -2295.0 | 12.87 | 0.00 | -4.350 | 0.000000 |
| Jath 110 kV | 12/01/2020 21:15:00 | 86 | 17837.5 | 2310.0 | 0.0 | -2310.0 | 12.95 | 0.00 | -3.686 | 0.000000 |
| Jath 110 kV | 12/01/2020 21:30:00 | 87 | 17837.5 | 2290.0 | 0.0 | -2290.0 | 12.84 | 0.00 | -1.614 | 0.000000 |
| Jath 110 kV | 12/01/2020 21:45:00 | 88 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | 0.000 | 0.000000 |
| Jath 110 kV | 12/01/2020 22:00:00 | 89 | 17837.5 | 2180.0 | 0.0 | -2180.0 | 12.22 | 0.00 | -3.354 | 0.000000 |
| Jath 110 kV | 12/01/2020 22:15:00 | 90 | 17837.5 | 2177.5 | 0.0 | -2177.5 | 12.21 | 0.00 | 4.350 | 2658.620376 |
| Jath 110 kV | 12/01/2020 22:30:00 | 91 | 17837.5 | 2340.0 | 0.0 | -2340.0 | 13.12 | 0.00 | 5.215 | 5388.169672 |
| Jath 110 kV | 12/01/2020 22:45:00 | 92 | 17837.5 | 2242.5 | 0.0 | -2242.5 | 12.57 | 0.00 | 3.022 | 505.481209 |
| Jath 110 kV | 12/01/2020 23:00:00 | 93 | 17837.5 | 2247.5 | 0.0 | -2247.5 | 12.6 | 0.00 | 3.022 | 1109.641536 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jath 110 kV | 12/01/2020 23:15:00 | 94 | 17837.5 | 2252.5 | 0.0 | -2252.5 | 12.63 | 0.00 | 2.152 | 1107.346186 |
| Jath 110 kV | 12/01/2020 23:30:00 | 95 | 17837.5 | 2255.0 | 0.0 | -2255.0 | 12.64 | 0.00 | 2.152 | 637.937351 |
| Jath 110 kV | 12/01/2020 23:45:00 | 96 | 17837.5 | 2277.5 | 0.0 | -2277.5 | 12.77 | 0.00 | 2.152 | 740.298223 |
| Jeur-Khandke 220kV | 06/01/2020 00:00:00 | 1 | 12400.0 | 4832.5 | 3425.0 | -1407.5 | 11.35 | 0.00 | 2.903 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 00:15:00 | 2 | 12400.0 | 4725.0 | 3275.0 | -1450.0 | 11.69 | 0.00 | 0.000 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 00:30:00 | 3 | 12400.0 | 4392.5 | 3296.88 | -1095.62 | 8.84 | 0.00 | 0.000 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 00:45:00 | 4 | 12400.0 | 4235.0 | 3590.62 | -644.38 | 5.2 | 0.00 | -0.984 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 01:00:00 | 5 | 12400.0 | 4087.5 | 3187.5 | -900.0 | 7.26 | 0.00 | -3.541 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 01:15:00 | 6 | 12400.0 | 3110.0 | 3615.62 | 505.62 | 4.08 | 0.00 | 3.222 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 01:30:00 | 7 | 12400.0 | 3185.0 | 4115.62 | 930.62 | 7.51 | 0.00 | 3.541 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 01:45:00 | 8 | 12400.0 | 3195.0 | 4575.0 | 1380.0 | 11.13 | 0.00 | 2.352 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 02:00:00 | 9 | 12400.0 | 3020.0 | 4784.38 | 1764.38 | 14.23 | 0.00 | 1.747 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 02:15:00 | 10 | 12400.0 | 3010.0 | 4850.0 | 1840.0 | 14.84 | 0.00 | 0.581 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 02:30:00 | 11 | 12400.0 | 3247.5 | 4762.5 | 1515.0 | 12.22 | 0.00 | -2.323 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 02:45:00 | 12 | 12400.0 | 3055.0 | 4125.0 | 1070.0 | 8.63 | 0.00 | 2.323 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 03:00:00 | 13 | 12400.0 | 3050.0 | 4084.38 | 1034.38 | 8.34 | 0.00 | 2.323 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 03:15:00 | 14 | 12400.0 | 3080.0 | 4781.25 | 1701.25 | 13.72 | 0.00 | -1.742 | -51.233728 |
| Jeur-Khandke 220kV | 06/01/2020 03:30:00 | 15 | 12400.0 | 3002.5 | 4806.25 | 1803.75 | 14.55 | 0.00 | 3.222 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 03:45:00 | 16 | 12400.0 | 3182.5 | 5153.12 | 1970.62 | 15.89 | 55.31 | 3.541 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 04:00:00 | 17 | 12400.0 | 3140.0 | 4712.5 | 1572.5 | 12.68 | 0.00 | 4.496 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 04:15:00 | 18 | 12400.0 | 4112.5 | 4409.38 | 296.88 | 2.39 | 0.00 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jeur-Khandke 220kV | 06/01/2020 04:30:00 | 19 | 12400.0 | 4107.5 | 4512.5 | 405.0 | 3.27 | 0.00 | 3.859 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 04:45:00 | 20 | 12400.0 | 4100.0 | 5100.0 | 1000.0 | 8.06 | 0.00 | 4.815 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 05:00:00 | 21 | 12400.0 | 4100.0 | 4731.25 | 631.25 | 5.09 | 0.00 | 3.859 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 05:15:00 | 22 | 12400.0 | 4097.5 | 4334.38 | 236.88 | 1.91 | 0.00 | 6.407 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 05:30:00 | 23 | 12400.0 | 4185.0 | 3759.38 | -425.62 | 3.43 | 0.00 | 6.496 | 498.898459 |
| Jeur-Khandke 220kV | 06/01/2020 05:45:00 | 24 | 12400.0 | 4195.0 | 3975.0 | -220.0 | 1.77 | 0.00 | 7.492 | 139.359210 |
| Jeur-Khandke 220kV | 06/01/2020 06:00:00 | 25 | 12400.0 | 4020.0 | 4162.5 | 142.5 | 1.15 | 0.00 | -5.452 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 06:15:00 | 26 | 12400.0 | 4010.0 | 3778.12 | -231.88 | 1.87 | 0.00 | -6.089 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 06:30:00 | 27 | 12400.0 | 4247.5 | 3325.0 | -922.5 | 7.44 | 0.00 | -7.044 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 06:45:00 | 28 | 12400.0 | 4055.0 | 2987.5 | -1067.5 | 8.61 | 0.00 | 7.682 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 07:00:00 | 29 | 12400.0 | 4050.0 | 2721.88 | -1328.12 | 10.71 | 0.00 | -3.859 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 07:15:00 | 30 | 12400.0 | 3580.0 | 2546.88 | -1033.12 | 8.33 | 0.00 | 4.815 | 512.962803 |
| Jeur-Khandke 220kV | 06/01/2020 07:30:00 | 31 | 12400.0 | 3587.5 | 2453.12 | -1134.38 | 9.15 | 0.00 | 4.178 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 07:45:00 | 32 | 12400.0 | 3682.5 | 2806.25 | -876.25 | 7.07 | 0.00 | -3.540 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 08:00:00 | 33 | 12400.0 | 3640.0 | 2809.38 | -830.62 | 6.7 | 0.00 | -3.859 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 08:15:00 | 34 | 12400.0 | 3540.0 | 2856.25 | -683.75 | 5.51 | 0.00 | -5.452 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 08:30:00 | 35 | 12400.0 | 3607.5 | 2453.12 | -1154.38 | 9.31 | 0.00 | 4.178 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 08:45:00 | 36 | 12400.0 | 3612.5 | 1975.0 | -1637.5 | 13.21 | 0.00 | -3.859 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 09:00:00 | 37 | 12400.0 | 3607.5 | 2000.0 | -1607.5 | 12.96 | 0.00 | -6.407 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 09:15:00 | 38 | 12400.0 | 2350.0 | 1743.75 | -606.25 | 4.89 | 0.00 | -8.000 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 09:30:00 | 39 | 12400.0 | 2350.0 | 1431.25 | -918.75 | 7.41 | 0.00 | -5.770 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jeur-Khandke 220kV | 06/01/2020 09:45:00 | 40 | 12400.0 | 2347.5 | 1115.62 | -1231.88 | 9.93 | 0.00 | 3.222 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 10:00:00 | 41 | 12400.0 | 2435.0 | 893.75 | -1541.25 | 12.43 | 0.00 | -2.903 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 10:15:00 | 42 | 12400.0 | 2030.0 | 850.0 | -1180.0 | 9.52 | 0.00 | -3.222 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 10:30:00 | 43 | 12400.0 | 1995.0 | 1175.0 | -820.0 | 6.61 | 0.00 | 4.815 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 10:45:00 | 44 | 12400.0 | 1862.5 | 1465.62 | -396.88 | 3.2 | 0.00 | 4.496 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 11:00:00 | 45 | 12400.0 | 1837.5 | 1428.12 | -409.38 | 3.3 | 0.00 | 16.000 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 11:15:00 | 46 | 12400.0 | 1802.5 | 1581.25 | -221.25 | 1.78 | 0.00 | 5.133 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 11:30:00 | 47 | 12400.0 | 1877.5 | 1809.38 | -68.12 | 0.55 | 0.00 | 1.182 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 11:45:00 | 48 | 12400.0 | 1822.5 | 2050.0 | 227.5 | 1.83 | 0.00 | 6.308 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 12:00:00 | 49 | 12400.0 | 1830.0 | 2000.0 | 170.0 | 1.37 | 0.00 | 6.598 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 12:15:00 | 50 | 12400.0 | 1812.5 | 2031.25 | 218.75 | 1.76 | 0.00 | 5.431 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 12:30:00 | 51 | 12400.0 | 1837.5 | 2025.0 | 187.5 | 1.51 | 0.00 | 3.540 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 12:45:00 | 52 | 12400.0 | 1822.5 | 1487.5 | -335.0 | 2.7 | 0.00 | -2.903 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 13:00:00 | 53 | 12400.0 | 1845.0 | 1359.38 | -485.62 | 3.92 | 0.00 | -1.161 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 13:15:00 | 54 | 12400.0 | 1845.0 | 1293.75 | -551.25 | 4.45 | 0.00 | 3.859 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 13:30:00 | 55 | 12400.0 | 1835.0 | 1162.5 | -672.5 | 5.42 | 0.00 | -6.407 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 13:45:00 | 56 | 12400.0 | 1790.0 | 1071.88 | -718.12 | 5.79 | 0.00 | 5.452 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 14:00:00 | 57 | 12400.0 | 1745.0 | 812.5 | -932.5 | 7.52 | 0.00 | 5.452 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 14:15:00 | 58 | 12400.0 | 1695.0 | 859.38 | -835.62 | 6.74 | 0.00 | 16.000 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 14:30:00 | 59 | 12400.0 | 1647.5 | 981.25 | -666.25 | 5.37 | 0.00 | 6.035 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 14:45:00 | 60 | 12400.0 | 1612.5 | 834.38 | -778.12 | 6.28 | 0.00 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jeur-Khandke 220kV | 06/01/2020 15:00:00 | 61 | 12400.0 | 1640.0 | 768.75 | -871.25 | 7.03 | 0.00 | 3.367 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 15:15:00 | 62 | 12400.0 | 1732.5 | 625.0 | -1107.5 | 8.93 | 0.00 | 3.904 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 15:30:00 | 63 | 12400.0 | 1675.0 | 428.12 | -1246.88 | 10.06 | 0.00 | 4.482 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 15:45:00 | 64 | 12400.0 | 1630.0 | 606.25 | -1023.75 | 8.26 | 0.00 | 4.225 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 16:00:00 | 65 | 12400.0 | 1642.5 | 584.38 | -1058.12 | 8.53 | 0.00 | 2.895 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 16:15:00 | 66 | 12400.0 | 1507.5 | 518.75 | -988.75 | 7.97 | 0.00 | 6.089 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 16:30:00 | 67 | 12400.0 | 1720.0 | 559.38 | -1160.62 | 9.36 | 0.00 | -8.000 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 16:45:00 | 68 | 12400.0 | 1722.5 | 568.75 | -1153.75 | 9.3 | 0.00 | -4.178 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 17:00:00 | 69 | 12400.0 | 1505.0 | 359.38 | -1145.62 | 9.24 | 0.00 | 1.742 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 17:15:00 | 70 | 12400.0 | 1715.0 | 171.88 | -1543.12 | 12.44 | 0.00 | 2.903 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 17:30:00 | 71 | 12400.0 | 1660.0 | 165.62 | -1494.38 | 12.05 | 0.00 | -4.178 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 17:45:00 | 72 | 12400.0 | 1555.0 | 53.12 | -1501.88 | 12.11 | 0.00 | -2.323 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 18:00:00 | 73 | 12400.0 | 1612.5 | 137.5 | -1475.0 | 11.9 | 0.00 | -2.903 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 18:15:00 | 74 | 12400.0 | 1712.5 | 121.88 | -1590.62 | 12.83 | 0.00 | 1.161 | 413.655845 |
| Jeur-Khandke 220kV | 06/01/2020 18:30:00 | 75 | 12400.0 | 1610.0 | 56.25 | -1553.75 | 12.53 | 0.00 | 2.903 | 1323.381177 |
| Jeur-Khandke 220kV | 06/01/2020 18:45:00 | 76 | 12400.0 | 1685.0 | 6.25 | -1678.75 | 13.54 | 0.00 | 2.903 | 33.849006 |
| Jeur-Khandke 220kV | 06/01/2020 19:00:00 | 77 | 12400.0 | 1695.0 | 0.0 | -1695.0 | 13.67 | 0.00 | -1.161 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 19:15:00 | 78 | 12400.0 | 1520.0 | 3.12 | -1516.88 | 12.23 | 0.00 | -4.178 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 19:30:00 | 79 | 12400.0 | 1510.0 | 18.75 | -1491.25 | 12.03 | 0.00 | -2.323 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 19:45:00 | 80 | 12400.0 | 1747.5 | 12.5 | -1735.0 | 13.99 | 0.00 | -4.178 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 20:00:00 | 81 | 12400.0 | 1642.5 | 46.88 | -1595.62 | 12.87 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jeur-Khandke 220kV | 06/01/2020 20:15:00 | 82 | 12400.0 | 1507.5 | 31.25 | -1476.25 | 11.91 | 0.00 | -5.770 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 20:30:00 | 83 | 12400.0 | 1720.0 | 15.62 | -1704.38 | 13.75 | 0.00 | 5.770 | 232.227196 |
| Jeur-Khandke 220kV | 06/01/2020 20:45:00 | 84 | 12400.0 | 1722.5 | 3.12 | -1719.38 | 13.87 | 0.00 | 4.178 | 711.055347 |
| Jeur-Khandke 220kV | 06/01/2020 21:00:00 | 85 | 12400.0 | 1505.0 | 21.88 | -1483.12 | 11.96 | 0.00 | 3.222 | 324.473206 |
| Jeur-Khandke 220kV | 06/01/2020 21:15:00 | 86 | 12400.0 | 1715.0 | 56.25 | -1658.75 | 13.38 | 0.00 | -1.742 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 21:30:00 | 87 | 12400.0 | 1660.0 | 100.0 | -1560.0 | 12.58 | 0.00 | 0.000 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 21:45:00 | 88 | 12400.0 | 1555.0 | 171.88 | -1383.12 | 11.15 | 0.00 | 1.161 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 22:00:00 | 89 | 12400.0 | 1612.5 | 212.5 | -1400.0 | 11.29 | 0.00 | 4.815 | 819.737911 |
| Jeur-Khandke 220kV | 06/01/2020 22:15:00 | 90 | 12400.0 | 1712.5 | 287.5 | -1425.0 | 11.49 | 0.00 | 3.859 | 860.843981 |
| Jeur-Khandke 220kV | 06/01/2020 22:30:00 | 91 | 12400.0 | 1610.0 | 365.62 | -1244.38 | 10.04 | 0.00 | 1.742 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 22:45:00 | 92 | 12400.0 | 1685.0 | 421.88 | -1263.12 | 10.19 | 0.00 | -2.323 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 23:00:00 | 93 | 12400.0 | 1695.0 | 475.0 | -1220.0 | 9.84 | 0.00 | -2.903 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 23:15:00 | 94 | 12400.0 | 1520.0 | 465.62 | -1054.38 | 8.5 | 0.00 | 2.323 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 23:30:00 | 95 | 12400.0 | 1510.0 | 531.25 | -978.75 | 7.89 | 0.00 | -3.222 | 0.000000 |
| Jeur-Khandke 220kV | 06/01/2020 23:45:00 | 96 | 12400.0 | 1747.5 | 493.75 | -1253.75 | 10.11 | 0.00 | 2.323 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 00:00:00 | 1 | 12400.0 | 1662.5 | 471.88 | -1190.62 | 9.6 | 0.00 | -0.549 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 00:15:00 | 2 | 12400.0 | 1657.5 | 575.0 | -1082.5 | 8.73 | 0.00 | -1.647 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 00:30:00 | 3 | 12400.0 | 1712.5 | 534.38 | -1178.12 | 9.5 | 0.00 | -3.073 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 00:45:00 | 4 | 12400.0 | 1647.5 | 693.75 | -953.75 | 7.69 | 0.00 | -2.744 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 01:00:00 | 5 | 12400.0 | 1587.5 | 740.62 | -846.88 | 6.83 | 0.00 | -4.058 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 01:15:00 | 6 | 12400.0 | 1562.5 | 793.75 | -768.75 | 6.2 | 0.00 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jeur-Khandke 220kV | 07/01/2020 01:30:00 | 7 | 12400.0 | 1612.5 | 643.75 | -968.75 | 7.81 | 0.00 | -3.401 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 01:45:00 | 8 | 12400.0 | 1637.5 | 428.12 | -1209.38 | 9.75 | 0.00 | 3.730 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 02:00:00 | 9 | 12400.0 | 1662.5 | 331.25 | -1331.25 | 10.74 | 0.00 | 3.073 | 289.823044 |
| Jeur-Khandke 220kV | 07/01/2020 02:15:00 | 10 | 12400.0 | 1657.5 | 443.75 | -1213.75 | 9.79 | 0.00 | 3.073 | 118.158174 |
| Jeur-Khandke 220kV | 07/01/2020 02:30:00 | 11 | 12400.0 | 1712.5 | 603.12 | -1109.38 | 8.95 | 0.00 | 3.401 | 151.055476 |
| Jeur-Khandke 220kV | 07/01/2020 02:45:00 | 12 | 12400.0 | 1647.5 | 778.12 | -869.38 | 7.01 | 0.00 | 2.745 | 118.067321 |
| Jeur-Khandke 220kV | 07/01/2020 03:00:00 | 13 | 12400.0 | 1587.5 | 890.62 | -696.88 | 5.62 | 0.00 | 1.647 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 03:15:00 | 14 | 12400.0 | 1562.5 | 1025.0 | -537.5 | 4.33 | 0.00 | 2.196 | 34.482067 |
| Jeur-Khandke 220kV | 07/01/2020 03:30:00 | 15 | 12400.0 | 1612.5 | 1150.0 | -462.5 | 3.73 | 0.00 | 1.647 | 39.474688 |
| Jeur-Khandke 220kV | 07/01/2020 03:45:00 | 16 | 12400.0 | 1637.5 | 1265.62 | -371.88 | 3.0 | 0.00 | 1.098 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 04:00:00 | 17 | 12400.0 | 1662.5 | 940.62 | -721.88 | 5.82 | 0.00 | 1.647 | 264.352411 |
| Jeur-Khandke 220kV | 07/01/2020 04:15:00 | 18 | 12400.0 | 1657.5 | 343.75 | -1313.75 | 10.59 | 0.00 | 2.210 | 940.589952 |
| Jeur-Khandke 220kV | 07/01/2020 04:30:00 | 19 | 12400.0 | 1662.5 | 337.5 | -1325.0 | 10.69 | 0.00 | 3.730 | 1339.564054 |
| Jeur-Khandke 220kV | 07/01/2020 04:45:00 | 20 | 12400.0 | 1657.5 | 575.0 | -1082.5 | 8.73 | 0.00 | -1.098 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 05:00:00 | 21 | 12400.0 | 1712.5 | 515.62 | -1196.88 | 9.65 | 0.00 | -2.744 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 05:15:00 | 22 | 12400.0 | 1647.5 | 409.38 | -1238.12 | 9.98 | 0.00 | 3.730 | 636.045094 |
| Jeur-Khandke 220kV | 07/01/2020 05:30:00 | 23 | 12400.0 | 1587.5 | 168.75 | -1418.75 | 11.44 | 0.00 | 3.073 | 1637.379724 |
| Jeur-Khandke 220kV | 07/01/2020 05:45:00 | 24 | 12400.0 | 1562.5 | 134.38 | -1428.12 | 11.52 | 0.00 | 3.730 | 1280.395308 |
| Jeur-Khandke 220kV | 07/01/2020 06:00:00 | 25 | 12400.0 | 1612.5 | 200.0 | -1412.5 | 11.39 | 0.00 | -5.372 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 06:15:00 | 26 | 12400.0 | 1637.5 | 596.88 | -1040.62 | 8.39 | 0.00 | 4.556 | 3467.447741 |
| Jeur-Khandke 220kV | 07/01/2020 06:30:00 | 27 | 12400.0 | 1662.5 | 831.25 | -831.25 | 6.7 | 0.00 | 7.148 | 4795.638665 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jeur-Khandke 220kV | 07/01/2020 06:45:00 | 28 | 12400.0 | 1657.5 | 940.62 | -716.88 | 5.78 | 0.00 | 7.821 | 3792.448238 |
| Jeur-Khandke 220kV | 07/01/2020 07:00:00 | 29 | 12400.0 | 1712.5 | 1443.75 | -268.75 | 2.17 | 0.00 | 5.372 | 714.189101 |
| Jeur-Khandke 220kV | 07/01/2020 07:15:00 | 30 | 12400.0 | 1647.5 | 1281.25 | -366.25 | 2.95 | 0.00 | 16.000 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 07:30:00 | 31 | 12400.0 | 1587.5 | 1084.38 | -503.12 | 4.06 | 0.00 | 9.296 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 07:45:00 | 32 | 12400.0 | 1562.5 | 1143.75 | -418.75 | 3.38 | 0.00 | 9.794 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 08:00:00 | 33 | 12400.0 | 1612.5 | 1178.12 | -434.38 | 3.5 | 0.00 | 3.593 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 08:15:00 | 34 | 12400.0 | 1637.5 | 1090.62 | -546.88 | 4.41 | 0.00 | 3.401 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 08:30:00 | 35 | 12400.0 | 1662.5 | 1321.88 | -340.62 | 2.75 | 0.00 | 3.245 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 08:45:00 | 36 | 12400.0 | 1657.5 | 1021.88 | -635.62 | 5.13 | 0.00 | 0.000 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 09:00:00 | 37 | 12400.0 | 1662.5 | 1034.38 | -628.12 | 5.07 | 0.00 | 2.745 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 09:15:00 | 38 | 12400.0 | 1657.5 | 965.62 | -691.88 | 5.58 | 0.00 | 4.715 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 09:30:00 | 39 | 12400.0 | 1712.5 | 1028.12 | -684.38 | 5.52 | 0.00 | 3.981 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 09:45:00 | 40 | 12400.0 | 1647.5 | 1231.25 | -416.25 | 3.36 | 0.00 | 3.730 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 10:00:00 | 41 | 12400.0 | 1587.5 | 1287.5 | -300.0 | 2.42 | 0.00 | 1.780 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 10:15:00 | 42 | 12400.0 | 1562.5 | 1150.0 | -412.5 | 3.33 | 0.00 | 5.643 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 10:30:00 | 43 | 12400.0 | 1612.5 | 1118.75 | -493.75 | 3.98 | 0.00 | 4.976 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 10:45:00 | 44 | 12400.0 | 1637.5 | 1118.75 | -518.75 | 4.18 | 0.00 | 4.415 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 11:00:00 | 45 | 12400.0 | 1662.5 | 1043.75 | -618.75 | 4.99 | 0.00 | 4.476 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 11:15:00 | 46 | 12400.0 | 1657.5 | 1121.88 | -535.62 | 4.32 | 0.00 | 4.826 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 11:30:00 | 47 | 12400.0 | 1712.5 | 912.5 | -800.0 | 6.45 | 0.00 | 2.289 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 11:45:00 | 48 | 12400.0 | 1647.5 | 625.0 | -1022.5 | 8.25 | 0.00 | -0.549 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jeur-Khandke 220kV | 07/01/2020 12:00:00 | 49 | 12400.0 | 1087.5 | 637.5 | -450.0 | 3.63 | 0.00 | 4.727 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 12:15:00 | 50 | 12400.0 | 1062.5 | 525.0 | -537.5 | 4.33 | 0.00 | 4.777 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 12:30:00 | 51 | 12400.0 | 1112.5 | 415.62 | -696.88 | 5.62 | 0.00 | 4.798 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 12:45:00 | 52 | 12400.0 | 1137.5 | 409.38 | -728.12 | 5.87 | 0.00 | -3.401 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 13:00:00 | 53 | 12400.0 | 1162.5 | 506.25 | -656.25 | 5.29 | 0.00 | -2.431 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 13:15:00 | 54 | 12400.0 | 1157.5 | 584.38 | -573.12 | 4.62 | 0.00 | -4.387 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 13:30:00 | 55 | 12400.0 | 1335.0 | 650.0 | -685.0 | 5.52 | 0.00 | -3.401 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 13:45:00 | 56 | 12400.0 | 1290.0 | 534.38 | -755.62 | 6.09 | 0.00 | -5.044 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 14:00:00 | 57 | 12400.0 | 1245.0 | 593.75 | -651.25 | 5.25 | 0.00 | 4.215 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 14:15:00 | 58 | 12400.0 | 1195.0 | 793.75 | -401.25 | 3.24 | 0.00 | 9.552 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 14:30:00 | 59 | 12400.0 | 1147.5 | 768.75 | -378.75 | 3.05 | 0.00 | 6.358 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 14:45:00 | 60 | 12400.0 | 1112.5 | 815.62 | -296.88 | 2.39 | 0.00 | 2.744 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 15:00:00 | 61 | 12400.0 | 1140.0 | 759.38 | -380.62 | 3.07 | 0.00 | -3.073 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 15:15:00 | 62 | 12400.0 | 1232.5 | 625.0 | -607.5 | 4.9 | 0.00 | -4.058 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 15:30:00 | 63 | 12400.0 | 1175.0 | 534.38 | -640.62 | 5.17 | 0.00 | -4.831 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 15:45:00 | 64 | 12400.0 | 1130.0 | 468.75 | -661.25 | 5.33 | 0.00 | -5.372 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 16:00:00 | 65 | 12400.0 | 1142.5 | 384.38 | -758.12 | 6.11 | 0.00 | 2.196 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 16:15:00 | 66 | 12400.0 | 1007.5 | 500.0 | -507.5 | 4.09 | 0.00 | -3.401 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 16:30:00 | 67 | 12400.0 | 1220.0 | 340.62 | -879.38 | 7.09 | 0.00 | 4.738 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 16:45:00 | 68 | 12400.0 | 1222.5 | 300.0 | -922.5 | 7.44 | 0.00 | 7.343 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 17:00:00 | 69 | 12400.0 | 1005.0 | 262.5 | -742.5 | 5.99 | 0.00 | 1.647 | 0.000000 |

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| Jeur-Khandke 220kV | 07/01/2020 17:15:00 | 70 | 12400.0 | 1215.0 | 146.88 | -1068.12 | 8.61 | 0.00 | 2.744 | 177.677628 |
| Jeur-Khandke 220kV | 07/01/2020 17:30:00 | 71 | 12400.0 | 1160.0 | 65.62 | -1094.38 | 8.83 | 0.00 | 3.401 | 72.261292 |
| Jeur-Khandke 220kV | 07/01/2020 17:45:00 | 72 | 12400.0 | 1055.0 | 100.0 | -955.0 | 7.7 | 0.00 | -2.745 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 18:00:00 | 73 | 12400.0 | 1112.5 | 62.5 | -1050.0 | 8.47 | 0.00 | -3.073 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 18:15:00 | 74 | 12400.0 | 1212.5 | 6.25 | -1206.25 | 9.73 | 0.00 | -5.372 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 18:30:00 | 75 | 12400.0 | 1110.0 | 43.75 | -1066.25 | 8.6 | 0.00 | 3.401 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 18:45:00 | 76 | 12400.0 | 1185.0 | 3.12 | -1181.88 | 9.53 | 0.00 | -3.401 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 19:00:00 | 77 | 12400.0 | 1195.0 | 0.0 | -1195.0 | 9.64 | 0.00 | -3.730 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 19:15:00 | 78 | 12400.0 | 1020.0 | 0.0 | -1020.0 | 8.23 | 0.00 | -4.715 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 19:30:00 | 79 | 12400.0 | 1010.0 | 0.0 | -1010.0 | 8.15 | 0.00 | -4.058 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 19:45:00 | 80 | 12400.0 | 1247.5 | 18.75 | -1228.75 | 9.91 | 0.00 | -2.210 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 20:00:00 | 81 | 12400.0 | 1142.5 | 25.0 | -1117.5 | 9.01 | 0.00 | -2.348 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 20:15:00 | 82 | 12400.0 | 1007.5 | 46.88 | -960.62 | 7.75 | 0.00 | 4.387 | 1499.193560 |
| Jeur-Khandke 220kV | 07/01/2020 20:30:00 | 83 | 12400.0 | 1220.0 | 71.88 | -1148.12 | 9.26 | 0.00 | 3.816 | 2342.955865 |
| Jeur-Khandke 220kV | 07/01/2020 20:45:00 | 84 | 12400.0 | 1222.5 | 90.62 | -1131.88 | 9.13 | 0.00 | 3.401 | 556.133422 |
| Jeur-Khandke 220kV | 07/01/2020 21:00:00 | 85 | 12400.0 | 1005.0 | 68.75 | -936.25 | 7.55 | 0.00 | -4.058 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 21:15:00 | 86 | 12400.0 | 1215.0 | 43.75 | -1171.25 | 9.45 | 0.00 | 1.647 | 620.803605 |
| Jeur-Khandke 220kV | 07/01/2020 21:30:00 | 87 | 12400.0 | 1160.0 | 46.88 | -1113.12 | 8.98 | 0.00 | 2.196 | 354.956187 |
| Jeur-Khandke 220kV | 07/01/2020 21:45:00 | 88 | 12400.0 | 1055.0 | 50.0 | -1005.0 | 8.1 | 0.00 | -2.196 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 22:00:00 | 89 | 12400.0 | 1112.5 | 103.12 | -1009.38 | 8.14 | 0.00 | -3.257 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 22:15:00 | 90 | 12400.0 | 1212.5 | 265.62 | -946.88 | 7.64 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jeur-Khandke 220kV | 07/01/2020 22:30:00 | 91 | 12400.0 | 1110.0 | 468.75 | -641.25 | 5.17 | 0.00 | -1.098 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 22:45:00 | 92 | 12400.0 | 1185.0 | 615.62 | -569.38 | 4.59 | 0.00 | -1.647 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 23:00:00 | 93 | 12400.0 | 1195.0 | 1121.88 | -73.12 | 0.59 | 0.00 | -3.401 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 23:15:00 | 94 | 12400.0 | 1020.0 | 1521.88 | 501.88 | 4.05 | 0.00 | 1.647 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 23:30:00 | 95 | 12400.0 | 1010.0 | 1278.12 | 268.12 | 2.16 | 0.00 | -2.196 | 0.000000 |
| Jeur-Khandke 220kV | 07/01/2020 23:45:00 | 96 | 12400.0 | 1247.5 | 1325.0 | 77.5 | 0.62 | 0.00 | -0.549 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 00:00:00 | 1 | 12400.0 | 1662.5 | 1393.75 | -268.75 | 2.17 | 0.00 | -2.220 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 00:15:00 | 2 | 12400.0 | 1657.5 | 1293.75 | -363.75 | 2.93 | 0.00 | -3.101 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 00:30:00 | 3 | 12400.0 | 1712.5 | 1087.5 | -625.0 | 5.04 | 0.00 | -3.101 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 00:45:00 | 4 | 12400.0 | 1647.5 | 1125.0 | -522.5 | 4.21 | 0.00 | -2.424 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 01:00:00 | 5 | 12400.0 | 1587.5 | 1193.75 | -393.75 | 3.18 | 0.00 | -2.170 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 01:15:00 | 6 | 12400.0 | 1562.5 | 1271.88 | -290.62 | 2.34 | 0.00 | -1.761 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 01:30:00 | 7 | 12400.0 | 1612.5 | 1262.5 | -350.0 | 2.82 | 0.00 | -1.665 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 01:45:00 | 8 | 12400.0 | 1637.5 | 1081.25 | -556.25 | 4.49 | 0.00 | -1.665 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 02:00:00 | 9 | 12400.0 | 1662.5 | 953.12 | -709.38 | 5.72 | 0.00 | -1.110 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 02:15:00 | 10 | 12400.0 | 1657.5 | 990.62 | -666.88 | 5.38 | 0.00 | -1.347 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 02:30:00 | 11 | 12400.0 | 1712.5 | 1203.12 | -509.38 | 4.11 | 0.00 | -3.101 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 02:45:00 | 12 | 12400.0 | 1647.5 | 1371.88 | -275.62 | 2.22 | 0.00 | -2.220 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 03:00:00 | 13 | 12400.0 | 1587.5 | 1209.38 | -378.12 | 3.05 | 0.00 | -3.428 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 03:15:00 | 14 | 12400.0 | 1562.5 | 721.88 | -840.62 | 6.78 | 0.00 | -2.220 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 03:30:00 | 15 | 12400.0 | 1612.5 | 606.25 | -1006.25 | 8.11 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jeur-Khandke 220kV | 08/01/2020 03:45:00 | 16 | 12400.0 | 1637.5 | 678.12 | -959.38 | 7.74 | 0.00 | -2.775 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 04:00:00 | 17 | 12400.0 | 1662.5 | 631.25 | -1031.25 | 8.32 | 0.00 | -3.101 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 04:15:00 | 18 | 12400.0 | 1657.5 | 571.88 | -1085.62 | 8.75 | 0.00 | -1.665 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 04:30:00 | 19 | 12400.0 | 1662.5 | 400.0 | -1262.5 | 10.18 | 0.00 | -2.220 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 04:45:00 | 20 | 12400.0 | 1657.5 | 434.38 | -1223.12 | 9.86 | 0.00 | -2.775 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 05:00:00 | 21 | 12400.0 | 1712.5 | 340.62 | -1371.88 | 11.06 | 0.00 | -1.110 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 05:15:00 | 22 | 12400.0 | 1647.5 | 246.88 | -1400.62 | 11.3 | 0.00 | 2.775 | 67.493159 |
| Jeur-Khandke 220kV | 08/01/2020 05:30:00 | 23 | 12400.0 | 1587.5 | 296.88 | -1290.62 | 10.41 | 0.00 | -3.428 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 05:45:00 | 24 | 12400.0 | 1562.5 | 162.5 | -1400.0 | 11.29 | 0.00 | -2.775 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 06:00:00 | 25 | 12400.0 | 1612.5 | 90.62 | -1521.88 | 12.27 | 0.00 | -2.220 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 06:15:00 | 26 | 12400.0 | 1637.5 | 93.75 | -1543.75 | 12.45 | 0.00 | 2.220 | 316.074974 |
| Jeur-Khandke 220kV | 08/01/2020 06:30:00 | 27 | 12400.0 | 1662.5 | 159.38 | -1503.12 | 12.12 | 0.00 | 5.387 | 2705.559471 |
| Jeur-Khandke 220kV | 08/01/2020 06:45:00 | 28 | 12400.0 | 1657.5 | 112.5 | -1545.0 | 12.46 | 0.00 | -4.734 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 07:00:00 | 29 | 12400.0 | 1712.5 | 106.25 | -1606.25 | 12.95 | 0.00 | -4.407 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 07:15:00 | 30 | 12400.0 | 1647.5 | 103.12 | -1544.38 | 12.45 | 0.00 | 5.061 | 2722.098842 |
| Jeur-Khandke 220kV | 08/01/2020 07:30:00 | 31 | 12400.0 | 1587.5 | 109.38 | -1478.12 | 11.92 | 0.00 | 5.714 | 2492.849648 |
| Jeur-Khandke 220kV | 08/01/2020 07:45:00 | 32 | 12400.0 | 1562.5 | 68.75 | -1493.75 | 12.05 | 0.00 | 5.061 | 990.407610 |
| Jeur-Khandke 220kV | 08/01/2020 08:00:00 | 33 | 12400.0 | 1612.5 | 6.25 | -1606.25 | 12.95 | 0.00 | 2.775 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 08:15:00 | 34 | 12400.0 | 1637.5 | 0.0 | -1637.5 | 13.21 | 0.00 | 2.775 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 08:30:00 | 35 | 12400.0 | 1662.5 | 0.0 | -1662.5 | 13.41 | 0.00 | 5.387 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 08:45:00 | 36 | 12400.0 | 1657.5 | 0.0 | -1657.5 | 13.37 | 0.00 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jeur-Khandke 220kV | 08/01/2020 09:00:00 | 37 | 12400.0 | 1662.5 | 0.0 | -1662.5 | 13.41 | 0.00 | 7.673 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 09:15:00 | 38 | 12400.0 | 1657.5 | 12.5 | -1645.0 | 13.27 | 0.00 | 7.673 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 09:30:00 | 39 | 12400.0 | 1712.5 | 184.38 | -1528.12 | 12.32 | 0.00 | 3.101 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 09:45:00 | 40 | 12400.0 | 1647.5 | 493.75 | -1153.75 | 9.3 | 0.00 | -3.101 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 10:00:00 | 41 | 12400.0 | 1587.5 | 712.5 | -875.0 | 7.06 | 0.00 | -3.101 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 10:15:00 | 42 | 12400.0 | 1562.5 | 815.62 | -746.88 | 6.02 | 0.00 | -3.101 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 10:30:00 | 43 | 12400.0 | 1612.5 | 1031.25 | -581.25 | 4.69 | 0.00 | -1.665 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 10:45:00 | 44 | 12400.0 | 1637.5 | 1246.88 | -390.62 | 3.15 | 0.00 | 0.000 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 11:00:00 | 45 | 12400.0 | 1662.5 | 1212.5 | -450.0 | 3.63 | 0.00 | -1.486 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 11:15:00 | 46 | 12400.0 | 1657.5 | 1225.0 | -432.5 | 3.49 | 0.00 | -1.305 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 11:30:00 | 47 | 12400.0 | 1712.5 | 1418.75 | -293.75 | 2.37 | 0.00 | -2.425 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 11:45:00 | 48 | 12400.0 | 1647.5 | 1440.62 | -206.88 | 1.67 | 0.00 | -2.775 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 12:00:00 | 49 | 12400.0 | 1587.5 | 1246.88 | -340.62 | 2.75 | 0.00 | -2.083 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 12:15:00 | 50 | 12400.0 | 1562.5 | 1443.75 | -118.75 | 0.96 | 0.00 | -3.242 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 12:30:00 | 51 | 12400.0 | 1612.5 | 1971.88 | 359.38 | 2.9 | 0.00 | -1.330 | -76.454450 |
| Jeur-Khandke 220kV | 08/01/2020 12:45:00 | 52 | 12400.0 | 1637.5 | 1815.62 | 178.12 | 1.44 | 0.00 | -0.830 | -33.874206 |
| Jeur-Khandke 220kV | 08/01/2020 13:00:00 | 53 | 12400.0 | 1662.5 | 1890.62 | 228.12 | 1.84 | 0.00 | 2.775 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 13:15:00 | 54 | 12400.0 | 1657.5 | 2300.0 | 642.5 | 5.18 | 0.00 | 0.000 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 13:30:00 | 55 | 12400.0 | 1835.0 | 2484.38 | 649.38 | 5.24 | 0.00 | -1.012 | -56.704399 |
| Jeur-Khandke 220kV | 08/01/2020 13:45:00 | 56 | 12400.0 | 1790.0 | 2221.88 | 431.88 | 3.48 | 0.00 | -1.087 | -43.551396 |
| Jeur-Khandke 220kV | 08/01/2020 14:00:00 | 57 | 12400.0 | 1745.0 | 1959.38 | 214.38 | 1.73 | 0.00 | -3.101 | -62.797392 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jeur-Khandke 220kV | 08/01/2020 14:15:00 | 58 | 12400.0 | 1695.0 | 1775.0 | 80.0 | 0.65 | 0.00 | -4.081 | -16.938385 |
| Jeur-Khandke 220kV | 08/01/2020 14:30:00 | 59 | 12400.0 | 1647.5 | 1581.25 | -66.25 | 0.53 | 0.00 | -2.996 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 14:45:00 | 60 | 12400.0 | 2307.5 | 1700.0 | -607.5 | 4.9 | 0.00 | -3.101 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 15:00:00 | 61 | 12400.0 | 2287.5 | 1837.5 | -450.0 | 3.63 | 0.00 | -1.879 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 15:15:00 | 62 | 12400.0 | 2215.0 | 1971.88 | -243.12 | 1.96 | 0.00 | -4.081 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 15:30:00 | 63 | 12400.0 | 2122.5 | 2215.62 | 93.12 | 0.75 | 0.00 | 4.938 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 15:45:00 | 64 | 12400.0 | 1987.5 | 1809.38 | -178.12 | 1.44 | 0.00 | 4.719 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 16:00:00 | 65 | 12400.0 | 1820.0 | 1615.62 | -204.38 | 1.65 | 0.00 | 0.555 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 16:15:00 | 66 | 12400.0 | 1807.5 | 1375.0 | -432.5 | 3.49 | 0.00 | -4.081 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 16:30:00 | 67 | 12400.0 | 1695.0 | 2184.38 | 489.38 | 3.95 | 0.00 | -3.754 | -85.284010 |
| Jeur-Khandke 220kV | 08/01/2020 16:45:00 | 68 | 12400.0 | 1612.5 | 2937.5 | 1325.0 | 10.69 | 0.00 | -8.000 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 17:00:00 | 69 | 12400.0 | 2162.5 | 2793.75 | 631.25 | 5.09 | 0.00 | 0.000 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 17:15:00 | 70 | 12400.0 | 1965.0 | 2409.38 | 444.38 | 3.58 | 0.00 | 4.081 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 17:30:00 | 71 | 12400.0 | 1910.0 | 2568.75 | 658.75 | 5.31 | 0.00 | -5.387 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 17:45:00 | 72 | 12400.0 | 1805.0 | 2575.0 | 770.0 | 6.21 | 0.00 | -3.101 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 18:00:00 | 73 | 12400.0 | 2552.5 | 2334.38 | -218.12 | 1.76 | 0.00 | -2.775 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 18:15:00 | 74 | 12400.0 | 2585.0 | 2171.88 | -413.12 | 3.33 | 0.00 | -3.101 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 18:30:00 | 75 | 12400.0 | 2587.5 | 2290.62 | -296.88 | 2.39 | 0.00 | -2.220 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 18:45:00 | 76 | 12400.0 | 2635.0 | 2218.75 | -416.25 | 3.36 | 0.00 | 2.220 | 328.119284 |
| Jeur-Khandke 220kV | 08/01/2020 19:00:00 | 77 | 12400.0 | 2662.5 | 2287.5 | -375.0 | 3.02 | 0.00 | 1.110 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 19:15:00 | 78 | 12400.0 | 2585.0 | 2168.75 | -416.25 | 3.36 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jeur-Khandke 220kV | 08/01/2020 19:30:00 | 79 | 12400.0 | 2615.0 | 1946.88 | -668.12 | 5.39 | 0.00 | -2.220 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 19:45:00 | 80 | 12400.0 | 2615.0 | 1737.5 | -877.5 | 7.08 | 0.00 | -0.555 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 20:00:00 | 81 | 12400.0 | 2927.5 | 1603.12 | -1324.38 | 10.68 | 0.00 | 2.775 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 20:15:00 | 82 | 12400.0 | 2932.5 | 1768.75 | -1163.75 | 9.39 | 0.00 | 3.101 | 1945.884725 |
| Jeur-Khandke 220kV | 08/01/2020 20:30:00 | 83 | 12400.0 | 2900.0 | 1775.0 | -1125.0 | 9.07 | 0.00 | 4.408 | 2548.359907 |
| Jeur-Khandke 220kV | 08/01/2020 20:45:00 | 84 | 12400.0 | 2862.5 | 1881.25 | -981.25 | 7.91 | 0.00 | 3.101 | 642.129912 |
| Jeur-Khandke 220kV | 08/01/2020 21:00:00 | 85 | 12400.0 | 2782.5 | 1968.75 | -813.75 | 6.56 | 0.00 | 3.101 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 21:15:00 | 86 | 12400.0 | 2680.0 | 1718.75 | -961.25 | 7.75 | 0.00 | -0.555 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 21:30:00 | 87 | 12400.0 | 2637.5 | 1600.0 | -1037.5 | 8.37 | 0.00 | -1.110 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 21:45:00 | 88 | 12400.0 | 2627.5 | 1859.38 | -768.12 | 6.19 | 0.00 | -1.110 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 22:00:00 | 89 | 12400.0 | 2300.0 | 1784.38 | -515.62 | 4.16 | 0.00 | -2.489 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 22:15:00 | 90 | 12400.0 | 2455.0 | 1340.62 | -1114.38 | 8.99 | 0.00 | -2.775 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 22:30:00 | 91 | 12400.0 | 2627.5 | 1828.12 | -799.38 | 6.45 | 0.00 | -2.223 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 22:45:00 | 92 | 12400.0 | 2680.0 | 2246.88 | -433.12 | 3.49 | 0.00 | 1.110 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 23:00:00 | 93 | 12400.0 | 3025.0 | 1725.0 | -1300.0 | 10.48 | 0.00 | 1.110 | 138.789302 |
| Jeur-Khandke 220kV | 08/01/2020 23:15:00 | 94 | 12400.0 | 3257.5 | 1556.25 | -1701.25 | 13.72 | 0.00 | 1.110 | 0.000000 |
| Jeur-Khandke 220kV | 08/01/2020 23:30:00 | 95 | 12400.0 | 3305.0 | 1700.0 | -1605.0 | 12.94 | 0.00 | 2.775 | 14.590284 |
| Jeur-Khandke 220kV | 08/01/2020 23:45:00 | 96 | 12400.0 | 3352.5 | 2412.5 | -940.0 | 7.58 | 0.00 | 0.000 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 00:00:00 | 1 | 12400.0 | 2497.5 | 2921.88 | 424.38 | 3.42 | 0.00 | -0.576 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 00:15:00 | 2 | 12400.0 | 2487.5 | 2559.38 | 71.88 | 0.58 | 0.00 | -1.727 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 00:30:00 | 3 | 12400.0 | 2445.0 | 2821.88 | 376.88 | 3.04 | 0.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jeur-Khandke 220kV | 09/01/2020 00:45:00 | 4 | 12400.0 | 2422.5 | 3178.12 | 755.62 | 6.09 | 0.00 | -2.879 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 01:00:00 | 5 | 12400.0 | 2385.0 | 3025.0 | 640.0 | 5.16 | 0.00 | -3.519 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 01:15:00 | 6 | 12400.0 | 2365.0 | 2831.25 | 466.25 | 3.76 | 0.00 | -3.519 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 01:30:00 | 7 | 12400.0 | 2377.5 | 2984.38 | 606.88 | 4.89 | 0.00 | -3.199 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 01:45:00 | 8 | 12400.0 | 2302.5 | 3309.38 | 1006.88 | 8.12 | 0.00 | 3.519 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 02:00:00 | 9 | 12400.0 | 2332.5 | 3631.25 | 1298.75 | 10.47 | 0.00 | 3.519 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 02:15:00 | 10 | 12400.0 | 2302.5 | 3206.25 | 903.75 | 7.29 | 0.00 | 2.879 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 02:30:00 | 11 | 12400.0 | 2265.0 | 2696.88 | 431.88 | 3.48 | 0.00 | 3.199 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 02:45:00 | 12 | 12400.0 | 2235.0 | 2246.88 | 11.88 | 0.1 | 0.00 | 1.152 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 03:00:00 | 13 | 12400.0 | 2972.5 | 2190.62 | -781.88 | 6.31 | 0.00 | -2.879 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 03:15:00 | 14 | 12400.0 | 3015.0 | 2746.88 | -268.12 | 2.16 | 0.00 | -3.839 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 03:30:00 | 15 | 12400.0 | 3017.5 | 3015.62 | -1.88 | 0.02 | 0.00 | 3.199 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 03:45:00 | 16 | 12400.0 | 2952.5 | 3731.25 | 778.75 | 6.28 | 0.00 | 0.000 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 04:00:00 | 17 | 12400.0 | 1840.0 | 3765.62 | 1925.62 | 15.53 | 32.81 | 1.727 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 04:15:00 | 18 | 12400.0 | 1830.0 | 3343.75 | 1513.75 | 12.21 | 0.00 | 1.727 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 04:30:00 | 19 | 12400.0 | 1647.5 | 2815.62 | 1168.12 | 9.42 | 0.00 | 1.727 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 04:45:00 | 20 | 12400.0 | 1587.5 | 2700.0 | 1112.5 | 8.97 | 0.00 | 2.879 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 05:00:00 | 21 | 12400.0 | 1562.5 | 2925.0 | 1362.5 | 10.99 | 0.00 | 3.839 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 05:15:00 | 22 | 12400.0 | 1612.5 | 2868.75 | 1256.25 | 10.13 | 0.00 | 5.119 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 05:30:00 | 23 | 12400.0 | 1637.5 | 2959.38 | 1321.88 | 10.66 | 0.00 | 4.064 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 05:45:00 | 24 | 12400.0 | 1662.5 | 3431.25 | 1768.75 | 14.26 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jeur-Khandke 220kV | 09/01/2020 06:00:00 | 25 | 12400.0 | 1657.5 | 3406.25 | 1748.75 | 14.1 | 0.00 | -2.303 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 06:15:00 | 26 | 12400.0 | 1835.0 | 3540.62 | 1705.62 | 13.75 | 0.00 | 2.303 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 06:30:00 | 27 | 12400.0 | 1790.0 | 3378.12 | 1588.12 | 12.81 | 0.00 | -3.839 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 06:45:00 | 28 | 12400.0 | 2412.5 | 3412.5 | 1000.0 | 8.06 | 0.00 | -2.879 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 07:00:00 | 29 | 12400.0 | 2380.0 | 3078.12 | 698.12 | 5.63 | 0.00 | -2.879 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 07:15:00 | 30 | 12400.0 | 2340.0 | 2634.38 | 294.38 | 2.37 | 0.00 | 6.400 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 07:30:00 | 31 | 12400.0 | 2330.0 | 2456.25 | 126.25 | 1.02 | 0.00 | 1.172 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 07:45:00 | 32 | 12400.0 | 2310.0 | 2375.0 | 65.0 | 0.52 | 0.00 | 0.576 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 08:00:00 | 33 | 12400.0 | 2315.0 | 2178.12 | -136.88 | 1.1 | 0.00 | -0.576 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 08:15:00 | 34 | 12400.0 | 2162.5 | 1962.5 | -200.0 | 1.61 | 0.00 | -1.152 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 08:30:00 | 35 | 12400.0 | 2130.0 | 1584.38 | -545.62 | 4.4 | 0.00 | 0.576 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 08:45:00 | 36 | 12400.0 | 1837.5 | 1412.5 | -425.0 | 3.43 | 0.00 | 0.000 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 09:00:00 | 37 | 12400.0 | 1802.5 | 1068.75 | -733.75 | 5.92 | 0.00 | 1.152 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 09:15:00 | 38 | 12400.0 | 1780.0 | 731.25 | -1048.75 | 8.46 | 0.00 | 1.727 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 09:30:00 | 39 | 12400.0 | 1635.0 | 525.0 | -1110.0 | 8.95 | 0.00 | -3.839 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 09:45:00 | 40 | 12400.0 | 1630.0 | 446.88 | -1183.12 | 9.54 | 0.00 | -1.152 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 10:00:00 | 41 | 12400.0 | 1647.5 | 318.75 | -1328.75 | 10.72 | 0.00 | 0.000 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 10:15:00 | 42 | 12400.0 | 1587.5 | 381.25 | -1206.25 | 9.73 | 0.00 | 1.727 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 10:30:00 | 43 | 12400.0 | 1562.5 | 415.62 | -1146.88 | 9.25 | 0.00 | 2.303 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 10:45:00 | 44 | 12400.0 | 1612.5 | 415.62 | -1196.88 | 9.65 | 0.00 | -1.144 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 11:00:00 | 45 | 12400.0 | 1637.5 | 428.12 | -1209.38 | 9.75 | 0.00 | -4.479 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jeur-Khandke 220kV | 09/01/2020 11:15:00 | 46 | 12400.0 | 1662.5 | 415.62 | -1246.88 | 10.06 | 0.00 | -3.519 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 11:30:00 | 47 | 12400.0 | 1657.5 | 428.12 | -1229.38 | 9.91 | 0.00 | -2.303 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 11:45:00 | 48 | 12400.0 | 1720.0 | 468.75 | -1251.25 | 10.09 | 0.00 | -0.576 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 12:00:00 | 49 | 12400.0 | 1722.5 | 440.62 | -1281.88 | 10.34 | 0.00 | 0.000 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 12:15:00 | 50 | 12400.0 | 1505.0 | 350.0 | -1155.0 | 9.31 | 0.00 | 3.839 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 12:30:00 | 51 | 12400.0 | 1647.5 | 287.5 | -1360.0 | 10.97 | 0.00 | 3.199 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 12:45:00 | 52 | 12400.0 | 1587.5 | 378.12 | -1209.38 | 9.75 | 0.00 | 3.199 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 13:00:00 | 53 | 12400.0 | 1562.5 | 437.5 | -1125.0 | 9.07 | 0.00 | -1.152 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 13:15:00 | 54 | 12400.0 | 1612.5 | 390.62 | -1221.88 | 9.85 | 0.00 | -1.152 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 13:30:00 | 55 | 12400.0 | 1732.5 | 365.62 | -1366.88 | 11.02 | 0.00 | 1.727 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 13:45:00 | 56 | 12400.0 | 1675.0 | 381.25 | -1293.75 | 10.43 | 0.00 | 3.199 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 14:00:00 | 57 | 12400.0 | 1630.0 | 353.12 | -1276.88 | 10.3 | 0.00 | 4.345 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 14:15:00 | 58 | 12400.0 | 1642.5 | 362.5 | -1280.0 | 10.32 | 0.00 | 3.941 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 14:30:00 | 59 | 12400.0 | 1507.5 | 384.38 | -1123.12 | 9.06 | 0.00 | 1.152 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 14:45:00 | 60 | 12400.0 | 1720.0 | 331.25 | -1388.75 | 11.2 | 0.00 | -0.576 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 15:00:00 | 61 | 12400.0 | 1722.5 | 384.38 | -1338.12 | 10.79 | 0.00 | -1.006 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 15:15:00 | 62 | 12400.0 | 1505.0 | 415.62 | -1089.38 | 8.79 | 0.00 | 3.199 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 15:30:00 | 63 | 12400.0 | 1647.5 | 493.75 | -1153.75 | 9.3 | 0.00 | 2.879 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 15:45:00 | 64 | 12400.0 | 1587.5 | 493.75 | -1093.75 | 8.82 | 0.00 | 3.839 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 16:00:00 | 65 | 12400.0 | 1562.5 | 575.0 | -987.5 | 7.96 | 0.00 | 1.727 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 16:15:00 | 66 | 12400.0 | 1612.5 | 953.12 | -659.38 | 5.32 | 0.00 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jeur-Khandke 220kV | 09/01/2020 16:30:00 | 67 | 12400.0 | 1637.5 | 1059.38 | -578.12 | 4.66 | 0.00 | -4.159 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 16:45:00 | 68 | 12400.0 | 1662.5 | 1278.12 | -384.38 | 3.1 | 0.00 | 3.839 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 17:00:00 | 69 | 12400.0 | 1657.5 | 1475.0 | -182.5 | 1.47 | 0.00 | 1.727 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 17:15:00 | 70 | 12400.0 | 1835.0 | 1675.0 | -160.0 | 1.29 | 0.00 | 3.839 | 54.994501 |
| Jeur-Khandke 220kV | 09/01/2020 17:30:00 | 71 | 12400.0 | 1790.0 | 1728.12 | -61.88 | 0.5 | 0.00 | -2.879 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 17:45:00 | 72 | 12400.0 | 1745.0 | 1853.12 | 108.12 | 0.87 | 0.00 | -4.146 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 18:00:00 | 73 | 12400.0 | 1695.0 | 2100.0 | 405.0 | 3.27 | 0.00 | -3.349 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 18:15:00 | 74 | 12400.0 | 1647.5 | 2043.75 | 396.25 | 3.2 | 0.00 | -4.563 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 18:30:00 | 75 | 12400.0 | 1612.5 | 1978.12 | 365.62 | 2.95 | 0.00 | -3.839 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 18:45:00 | 76 | 12400.0 | 1640.0 | 1809.38 | 169.38 | 1.37 | 0.00 | -2.879 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 19:00:00 | 77 | 12400.0 | 1732.5 | 1865.62 | 133.12 | 1.07 | 0.00 | -3.199 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 19:15:00 | 78 | 12400.0 | 1675.0 | 1809.38 | 134.38 | 1.08 | 0.00 | -1.727 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 19:30:00 | 79 | 12400.0 | 1630.0 | 1718.75 | 88.75 | 0.72 | 0.00 | -1.442 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 19:45:00 | 80 | 12400.0 | 1642.5 | 1678.12 | 35.62 | 0.29 | 0.00 | -0.286 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 20:00:00 | 81 | 12400.0 | 1507.5 | 1756.25 | 248.75 | 2.01 | 0.00 | -1.070 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 20:15:00 | 82 | 12400.0 | 1720.0 | 1715.62 | -4.38 | 0.04 | 0.00 | -2.236 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 20:30:00 | 83 | 12400.0 | 1722.5 | 1778.12 | 55.62 | 0.45 | 0.00 | -4.799 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 20:45:00 | 84 | 12400.0 | 1505.0 | 1968.75 | 463.75 | 3.74 | 0.00 | -1.727 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 21:00:00 | 85 | 12400.0 | 1647.5 | 2209.38 | 561.88 | 4.53 | 0.00 | -1.727 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 21:15:00 | 86 | 12400.0 | 1587.5 | 2468.75 | 881.25 | 7.11 | 0.00 | 1.152 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 21:30:00 | 87 | 12400.0 | 1562.5 | 3775.0 | 2212.5 | 17.84 | 176.25 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jeur-Khandke 220kV | 09/01/2020 21:45:00 | 88 | 12400.0 | 1612.5 | 6203.12 | 4590.62 | 37.02 | 2235.93 | -2.303 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 22:00:00 | 89 | 12400.0 | 1637.5 | 7334.38 | 5696.88 | 45.94 | 3895.32 | -2.795 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 22:15:00 | 90 | 12400.0 | 1662.5 | 7209.38 | 5546.88 | 44.73 | 3670.32 | -3.674 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 22:30:00 | 91 | 12400.0 | 3282.5 | 6915.62 | 3633.12 | 29.3 | 1153.12 | -2.303 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 22:45:00 | 92 | 12400.0 | 3460.0 | 6946.88 | 3486.88 | 28.12 | 1006.88 | -1.152 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 23:00:00 | 93 | 12400.0 | 3557.5 | 6984.38 | 3426.88 | 27.64 | 946.88 | 0.000 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 23:15:00 | 94 | 12400.0 | 3745.0 | 6709.38 | 2964.38 | 23.91 | 552.19 | -0.576 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 23:30:00 | 95 | 12400.0 | 3830.0 | 7287.5 | 3457.5 | 27.88 | 977.50 | -0.576 | 0.000000 |
| Jeur-Khandke 220kV | 09/01/2020 23:45:00 | 96 | 12400.0 | 3970.0 | 6796.88 | 2826.88 | 22.8 | 483.44 | -0.987 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 00:00:00 | 1 | 12400.0 | 2497.5 | 6750.0 | 4252.5 | 34.29 | 1772.50 | -0.680 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 00:15:00 | 2 | 12400.0 | 5840.0 | 6453.12 | 613.12 | 4.94 | 0.00 | -3.326 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 00:30:00 | 3 | 12400.0 | 5630.0 | 5821.88 | 191.88 | 1.55 | 0.00 | -2.992 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 00:45:00 | 4 | 12400.0 | 5552.5 | 6315.62 | 763.12 | 6.15 | 0.00 | -0.532 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 01:00:00 | 5 | 12400.0 | 5837.5 | 6737.5 | 900.0 | 7.26 | 0.00 | -0.713 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 01:15:00 | 6 | 12400.0 | 5830.0 | 6712.5 | 882.5 | 7.12 | 0.00 | -0.548 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 01:30:00 | 7 | 12400.0 | 5812.5 | 6168.75 | 356.25 | 2.87 | 0.00 | -2.658 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 01:45:00 | 8 | 12400.0 | 5662.5 | 6253.12 | 590.62 | 4.76 | 0.00 | 2.127 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 02:00:00 | 9 | 12400.0 | 5580.0 | 6768.75 | 1188.75 | 9.59 | 0.00 | 5.342 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 02:15:00 | 10 | 12400.0 | 5552.5 | 7012.5 | 1460.0 | 11.77 | 0.00 | 1.595 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 02:30:00 | 11 | 12400.0 | 5530.0 | 7371.88 | 1841.88 | 14.85 | 0.00 | 3.326 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 02:45:00 | 12 | 12400.0 | 5512.5 | 7365.62 | 1853.12 | 14.94 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jeur-Khandke 220kV | 10/01/2020 03:00:00 | 13 | 12400.0 | 5905.0 | 6893.75 | 988.75 | 7.97 | 0.00 | 2.658 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 03:15:00 | 14 | 12400.0 | 5837.5 | 6793.75 | 956.25 | 7.71 | 0.00 | 2.127 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 03:30:00 | 15 | 12400.0 | 5810.0 | 6618.75 | 808.75 | 6.52 | 0.00 | 2.127 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 03:45:00 | 16 | 12400.0 | 5662.5 | 6765.62 | 1103.12 | 8.9 | 0.00 | -1.063 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 04:00:00 | 17 | 12400.0 | 5630.0 | 6871.88 | 1241.88 | 10.02 | 0.00 | 1.595 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 04:15:00 | 18 | 12400.0 | 5580.0 | 6903.12 | 1323.12 | 10.67 | 0.00 | 3.326 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 04:30:00 | 19 | 12400.0 | 6740.0 | 6734.38 | -5.62 | 0.05 | 0.00 | 3.326 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 04:45:00 | 20 | 12400.0 | 6562.5 | 6718.75 | 156.25 | 1.26 | 0.00 | 2.127 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 05:00:00 | 21 | 12400.0 | 6545.0 | 6865.62 | 320.62 | 2.59 | 0.00 | 2.992 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 05:15:00 | 22 | 12400.0 | 6480.0 | 6793.75 | 313.75 | 2.53 | 0.00 | 1.063 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 05:30:00 | 23 | 12400.0 | 6490.0 | 6096.88 | -393.12 | 3.17 | 0.00 | -2.658 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 05:45:00 | 24 | 12400.0 | 6230.0 | 5756.25 | -473.75 | 3.82 | 0.00 | 2.127 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 06:00:00 | 25 | 12400.0 | 6240.0 | 5675.0 | -565.0 | 4.56 | 0.00 | -2.127 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 06:15:00 | 26 | 12400.0 | 6062.5 | 4818.75 | -1243.75 | 10.03 | 0.00 | 2.658 | 315.525637 |
| Jeur-Khandke 220kV | 10/01/2020 06:30:00 | 27 | 12400.0 | 5812.5 | 4587.5 | -1225.0 | 9.88 | 0.00 | -2.992 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 06:45:00 | 28 | 12400.0 | 5737.5 | 4465.62 | -1271.88 | 10.26 | 0.00 | -3.077 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 07:00:00 | 29 | 12400.0 | 6010.0 | 4393.75 | -1616.25 | 13.03 | 0.00 | -0.687 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 07:15:00 | 30 | 12400.0 | 5855.0 | 3853.12 | -2001.88 | 16.14 | 70.94 | -2.658 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 07:30:00 | 31 | 12400.0 | 5852.5 | 3071.88 | -2780.62 | 22.42 | 460.31 | -1.063 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 07:45:00 | 32 | 12400.0 | 5830.0 | 2209.38 | -3620.62 | 29.2 | 1140.62 | -2.658 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 08:00:00 | 33 | 12400.0 | 5812.5 | 1928.12 | -3884.38 | 31.33 | 1404.38 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jeur-Khandke 220kV | 10/01/2020 08:15:00 | 34 | 12400.0 | 6205.0 | 1581.25 | -4623.75 | 37.29 | 2285.63 | -4.661 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 08:30:00 | 35 | 12400.0 | 6137.5 | 1421.88 | -4715.62 | 38.03 | 2423.43 | 5.663 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 08:45:00 | 36 | 12400.0 | 6110.0 | 1293.75 | -4816.25 | 38.84 | 2574.38 | 4.328 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 09:00:00 | 37 | 12400.0 | 5962.5 | 903.12 | -5059.38 | 40.8 | 2939.07 | -4.995 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 09:15:00 | 38 | 12400.0 | 2552.5 | 768.75 | -1783.75 | 14.39 | 0.00 | -4.327 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 09:30:00 | 39 | 12400.0 | 2530.0 | 743.75 | -1786.25 | 14.41 | 0.00 | -2.127 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 09:45:00 | 40 | 12400.0 | 2337.5 | 678.12 | -1659.38 | 13.38 | 0.00 | -1.152 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 10:00:00 | 41 | 12400.0 | 2410.0 | 593.75 | -1816.25 | 14.65 | 0.00 | 0.000 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 10:15:00 | 42 | 12400.0 | 2395.0 | 503.12 | -1891.88 | 15.26 | 15.94 | -0.532 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 10:30:00 | 43 | 12400.0 | 1745.0 | 315.62 | -1429.38 | 11.53 | 0.00 | -1.063 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 10:45:00 | 44 | 12400.0 | 1695.0 | 253.12 | -1441.88 | 11.63 | 0.00 | 0.000 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 11:00:00 | 45 | 12400.0 | 1647.5 | 212.5 | -1435.0 | 11.57 | 0.00 | 2.658 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 11:15:00 | 46 | 12400.0 | 1612.5 | 150.0 | -1462.5 | 11.79 | 0.00 | 0.000 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 11:30:00 | 47 | 12400.0 | 1640.0 | 184.38 | -1455.62 | 11.74 | 0.00 | -1.595 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 11:45:00 | 48 | 12400.0 | 1732.5 | 225.0 | -1507.5 | 12.16 | 0.00 | 2.992 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 12:00:00 | 49 | 12400.0 | 1675.0 | 265.62 | -1409.38 | 11.37 | 0.00 | 0.000 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 12:15:00 | 50 | 12400.0 | 1630.0 | 259.38 | -1370.62 | 11.05 | 0.00 | 2.127 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 12:30:00 | 51 | 12400.0 | 1642.5 | 240.62 | -1401.88 | 11.31 | 0.00 | 1.595 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 12:45:00 | 52 | 12400.0 | 1507.5 | 296.88 | -1210.62 | 9.76 | 0.00 | -1.063 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 13:00:00 | 53 | 12400.0 | 1720.0 | 381.25 | -1338.75 | 10.8 | 0.00 | 2.658 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 13:15:00 | 54 | 12400.0 | 1722.5 | 396.88 | -1325.62 | 10.69 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jeur-Khandke 220kV | 10/01/2020 13:30:00 | 55 | 12400.0 | 1505.0 | 403.12 | -1101.88 | 8.89 | 0.00 | 2.127 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 13:45:00 | 56 | 12400.0 | 1647.5 | 403.12 | -1244.38 | 10.04 | 0.00 | -3.326 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 14:00:00 | 57 | 12400.0 | 1587.5 | 453.12 | -1134.38 | 9.15 | 0.00 | -2.992 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 14:15:00 | 58 | 12400.0 | 1562.5 | 453.12 | -1109.38 | 8.95 | 0.00 | 3.660 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 14:30:00 | 59 | 12400.0 | 1612.5 | 468.75 | -1143.75 | 9.22 | 0.00 | -2.127 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 14:45:00 | 60 | 12400.0 | 1637.5 | 450.0 | -1187.5 | 9.58 | 0.00 | -2.127 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 15:00:00 | 61 | 12400.0 | 1662.5 | 490.62 | -1171.88 | 9.45 | 0.00 | 0.000 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 15:15:00 | 62 | 12400.0 | 1657.5 | 518.75 | -1138.75 | 9.18 | 0.00 | -2.992 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 15:30:00 | 63 | 12400.0 | 1835.0 | 496.88 | -1338.12 | 10.79 | 0.00 | -4.995 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 15:45:00 | 64 | 12400.0 | 1790.0 | 521.88 | -1268.12 | 10.23 | 0.00 | -4.327 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 16:00:00 | 65 | 12400.0 | 1745.0 | 512.5 | -1232.5 | 9.94 | 0.00 | -4.995 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 16:15:00 | 66 | 12400.0 | 1695.0 | 490.62 | -1204.38 | 9.71 | 0.00 | -8.000 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 16:30:00 | 67 | 12400.0 | 1647.5 | 575.0 | -1072.5 | 8.65 | 0.00 | -8.000 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 16:45:00 | 68 | 12400.0 | 1745.0 | 565.62 | -1179.38 | 9.51 | 0.00 | 4.327 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 17:00:00 | 69 | 12400.0 | 1695.0 | 596.88 | -1098.12 | 8.86 | 0.00 | 0.532 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 17:15:00 | 70 | 12400.0 | 1647.5 | 740.62 | -906.88 | 7.31 | 0.00 | -1.595 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 17:30:00 | 71 | 12400.0 | 1612.5 | 940.62 | -671.88 | 5.42 | 0.00 | -2.658 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 17:45:00 | 72 | 12400.0 | 1640.0 | 1071.88 | -568.12 | 4.58 | 0.00 | -2.127 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 18:00:00 | 73 | 12400.0 | 1732.5 | 1412.5 | -320.0 | 2.58 | 0.00 | -1.461 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 18:15:00 | 74 | 12400.0 | 1675.0 | 1790.62 | 115.62 | 0.93 | 0.00 | 3.326 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 18:30:00 | 75 | 12400.0 | 1630.0 | 2143.75 | 513.75 | 4.14 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jeur-Khandke 220kV | 10/01/2020 18:45:00 | 76 | 12400.0 | 1642.5 | 2275.0 | 632.5 | 5.1 | 0.00 | 3.994 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 19:00:00 | 77 | 12400.0 | 1507.5 | 2525.0 | 1017.5 | 8.21 | 0.00 | -2.127 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 19:15:00 | 78 | 12400.0 | 1720.0 | 2475.0 | 755.0 | 6.09 | 0.00 | -2.658 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 19:30:00 | 79 | 12400.0 | 1722.5 | 2609.38 | 886.88 | 7.15 | 0.00 | -3.660 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 19:45:00 | 80 | 12400.0 | 1505.0 | 2671.88 | 1166.88 | 9.41 | 0.00 | -3.326 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 20:00:00 | 81 | 12400.0 | 1647.5 | 2862.5 | 1215.0 | 9.8 | 0.00 | 3.660 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 20:15:00 | 82 | 12400.0 | 1587.5 | 2875.0 | 1287.5 | 10.38 | 0.00 | 3.660 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 20:30:00 | 83 | 12400.0 | 1562.5 | 2868.75 | 1306.25 | 10.53 | 0.00 | 4.995 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 20:45:00 | 84 | 12400.0 | 1612.5 | 2893.75 | 1281.25 | 10.33 | 0.00 | 2.992 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 21:00:00 | 85 | 12400.0 | 1637.5 | 3212.5 | 1575.0 | 12.7 | 0.00 | -3.660 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 21:15:00 | 86 | 12400.0 | 2662.5 | 3165.62 | 503.12 | 4.06 | 0.00 | -1.595 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 21:30:00 | 87 | 12400.0 | 2657.5 | 2371.88 | -285.62 | 2.3 | 0.00 | -1.063 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 21:45:00 | 88 | 12400.0 | 2835.0 | 1837.5 | -997.5 | 8.04 | 0.00 | -0.532 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 22:00:00 | 89 | 12400.0 | 2790.0 | 1921.88 | -868.12 | 7.0 | 0.00 | -1.595 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 22:15:00 | 90 | 12400.0 | 2745.0 | 2046.88 | -698.12 | 5.63 | 0.00 | -2.127 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 22:30:00 | 91 | 12400.0 | 2695.0 | 2215.62 | -479.38 | 3.87 | 0.00 | 1.063 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 22:45:00 | 92 | 12400.0 | 2557.5 | 2481.25 | -76.25 | 0.61 | 0.00 | -2.658 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 23:00:00 | 93 | 12400.0 | 2580.0 | 2828.12 | 248.12 | 2.0 | 0.00 | -2.658 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 23:15:00 | 94 | 12400.0 | 2612.5 | 2634.38 | 21.88 | 0.18 | 0.00 | 0.000 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 23:30:00 | 95 | 12400.0 | 2537.5 | 2575.0 | 37.5 | 0.3 | 0.00 | 0.000 | 0.000000 |
| Jeur-Khandke 220kV | 10/01/2020 23:45:00 | 96 | 12400.0 | 2637.5 | 2659.38 | 21.88 | 0.18 | 0.00 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jeur-Khandke 220kV | 11/01/2020 00:00:00 | 1 | 12400.0 | 2112.5 | 2700.0 | 587.5 | 4.74 | 0.00 | 0.000 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 00:15:00 | 2 | 12400.0 | 2140.0 | 2431.25 | 291.25 | 2.35 | 0.00 | -2.629 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 00:30:00 | 3 | 12400.0 | 2232.5 | 2337.5 | 105.0 | 0.85 | 0.00 | -1.577 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 00:45:00 | 4 | 12400.0 | 2175.0 | 2396.88 | 221.88 | 1.79 | 0.00 | 2.103 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 01:00:00 | 5 | 12400.0 | 2130.0 | 2496.88 | 366.88 | 2.96 | 0.00 | 2.964 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 01:15:00 | 6 | 12400.0 | 2142.5 | 2712.5 | 570.0 | 4.6 | 0.00 | 1.052 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 01:30:00 | 7 | 12400.0 | 2007.5 | 2771.88 | 764.38 | 6.16 | 0.00 | 1.577 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 01:45:00 | 8 | 12400.0 | 2220.0 | 3081.25 | 861.25 | 6.95 | 0.00 | -0.526 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 02:00:00 | 9 | 12400.0 | 1722.5 | 3156.25 | 1433.75 | 11.56 | 0.00 | -0.403 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 02:15:00 | 10 | 12400.0 | 1505.0 | 3306.25 | 1801.25 | 14.53 | 0.00 | -0.630 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 02:30:00 | 11 | 12400.0 | 2827.5 | 3306.25 | 478.75 | 3.86 | 0.00 | -0.526 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 02:45:00 | 12 | 12400.0 | 2852.5 | 3512.5 | 660.0 | 5.32 | 0.00 | -0.526 | -31.429685 |
| Jeur-Khandke 220kV | 11/01/2020 03:00:00 | 13 | 12400.0 | 2770.0 | 3628.12 | 858.12 | 6.92 | 0.00 | -1.051 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 03:15:00 | 14 | 12400.0 | 2850.0 | 4093.75 | 1243.75 | 10.03 | 0.00 | 0.000 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 03:30:00 | 15 | 12400.0 | 2940.0 | 4034.38 | 1094.38 | 8.83 | 0.00 | 0.000 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 03:45:00 | 16 | 12400.0 | 3002.5 | 3362.5 | 360.0 | 2.9 | 0.00 | 0.000 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 04:00:00 | 17 | 12400.0 | 3037.5 | 3128.12 | 90.62 | 0.73 | 0.00 | 0.000 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 04:15:00 | 18 | 12400.0 | 3055.0 | 3631.25 | 576.25 | 4.65 | 0.00 | -1.051 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 04:30:00 | 19 | 12400.0 | 3005.0 | 3300.0 | 295.0 | 2.38 | 0.00 | -2.964 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 04:45:00 | 20 | 12400.0 | 3025.0 | 2853.12 | -171.88 | 1.39 | 0.00 | -3.300 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 05:00:00 | 21 | 12400.0 | 3020.0 | 2696.88 | -323.12 | 2.61 | 0.00 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jeur-Khandke 220kV | 11/01/2020 05:15:00 | 22 | 12400.0 | 3007.5 | 2412.5 | -595.0 | 4.8 | 0.00 | 5.314 | 745.531532 |
| Jeur-Khandke 220kV | 11/01/2020 05:30:00 | 23 | 12400.0 | 3010.0 | 2228.12 | -781.88 | 6.31 | 0.00 | 2.964 | 473.390291 |
| Jeur-Khandke 220kV | 11/01/2020 05:45:00 | 24 | 12400.0 | 3040.0 | 2293.75 | -746.25 | 6.02 | 0.00 | 2.103 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 06:00:00 | 25 | 12400.0 | 2815.0 | 2221.88 | -593.12 | 4.78 | 0.00 | 3.636 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 06:15:00 | 26 | 12400.0 | 2947.5 | 2325.0 | -622.5 | 5.02 | 0.00 | 2.964 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 06:30:00 | 27 | 12400.0 | 3097.5 | 2900.0 | -197.5 | 1.59 | 0.00 | 4.105 | 145.089492 |
| Jeur-Khandke 220kV | 11/01/2020 06:45:00 | 28 | 12400.0 | 2552.5 | 2962.5 | 410.0 | 3.31 | 0.00 | 5.650 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 07:00:00 | 29 | 12400.0 | 2022.5 | 3093.75 | 1071.25 | 8.64 | 0.00 | 3.300 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 07:15:00 | 30 | 12400.0 | 2065.0 | 2971.88 | 906.88 | 7.31 | 0.00 | 5.314 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 07:30:00 | 31 | 12400.0 | 2167.5 | 2668.75 | 501.25 | 4.04 | 0.00 | 2.964 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 07:45:00 | 32 | 12400.0 | 2350.0 | 1931.25 | -418.75 | 3.38 | 0.00 | 2.103 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 08:00:00 | 33 | 12400.0 | 2285.0 | 1475.0 | -810.0 | 6.53 | 0.00 | -1.577 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 08:15:00 | 34 | 12400.0 | 2247.5 | 1190.62 | -1056.88 | 8.52 | 0.00 | 3.300 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 08:30:00 | 35 | 12400.0 | 2130.0 | 1109.38 | -1020.62 | 8.23 | 0.00 | 2.116 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 08:45:00 | 36 | 12400.0 | 2090.0 | 1075.0 | -1015.0 | 8.19 | 0.00 | 2.964 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 09:00:00 | 37 | 12400.0 | 2080.0 | 975.0 | -1105.0 | 8.91 | 0.00 | 6.681 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 09:15:00 | 38 | 12400.0 | 1707.5 | 859.38 | -848.12 | 6.84 | 0.00 | 6.657 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 09:30:00 | 39 | 12400.0 | 1622.5 | 853.12 | -769.38 | 6.2 | 0.00 | -6.322 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 09:45:00 | 40 | 12400.0 | 1492.5 | 918.75 | -573.75 | 4.63 | 0.00 | -2.103 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 10:00:00 | 41 | 12400.0 | 1407.5 | 1093.75 | -313.75 | 2.53 | 0.00 | 0.526 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 10:15:00 | 42 | 12400.0 | 1745.0 | 1271.88 | -473.12 | 3.82 | 0.00 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jeur-Khandke 220kV | 11/01/2020 10:30:00 | 43 | 12400.0 | 1695.0 | 1206.25 | -488.75 | 3.94 | 0.00 | 0.000 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 10:45:00 | 44 | 12400.0 | 1647.5 | 946.88 | -700.62 | 5.65 | 0.00 | 0.000 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 11:00:00 | 45 | 12400.0 | 1612.5 | 753.12 | -859.38 | 6.93 | 0.00 | 0.000 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 11:15:00 | 46 | 12400.0 | 1640.0 | 637.5 | -1002.5 | 8.08 | 0.00 | -2.964 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 11:30:00 | 47 | 12400.0 | 1732.5 | 693.75 | -1038.75 | 8.38 | 0.00 | -4.307 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 11:45:00 | 48 | 12400.0 | 1675.0 | 631.25 | -1043.75 | 8.42 | 0.00 | -3.300 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 12:00:00 | 49 | 12400.0 | 1630.0 | 587.5 | -1042.5 | 8.41 | 0.00 | -0.526 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 12:15:00 | 50 | 12400.0 | 1642.5 | 615.62 | -1026.88 | 8.28 | 0.00 | -2.103 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 12:30:00 | 51 | 12400.0 | 1507.5 | 643.75 | -863.75 | 6.97 | 0.00 | -2.629 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 12:45:00 | 52 | 12400.0 | 1720.0 | 534.38 | -1185.62 | 9.56 | 0.00 | -2.629 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 13:00:00 | 53 | 12400.0 | 1722.5 | 309.38 | -1413.12 | 11.4 | 0.00 | 0.000 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 13:15:00 | 54 | 12400.0 | 1505.0 | 259.38 | -1245.62 | 10.05 | 0.00 | -2.103 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 13:30:00 | 55 | 12400.0 | 1647.5 | 253.12 | -1394.38 | 11.25 | 0.00 | 2.629 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 13:45:00 | 56 | 12400.0 | 1587.5 | 181.25 | -1406.25 | 11.34 | 0.00 | 2.103 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 14:00:00 | 57 | 12400.0 | 1562.5 | 103.12 | -1459.38 | 11.77 | 0.00 | 1.051 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 14:15:00 | 58 | 12400.0 | 1612.5 | 71.88 | -1540.62 | 12.42 | 0.00 | 3.300 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 14:30:00 | 59 | 12400.0 | 1637.5 | 34.38 | -1603.12 | 12.93 | 0.00 | -3.636 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 14:45:00 | 60 | 12400.0 | 1662.5 | 3.12 | -1659.38 | 13.38 | 0.00 | 4.979 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 15:00:00 | 61 | 12400.0 | 1657.5 | 3.12 | -1654.38 | 13.34 | 0.00 | -2.964 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 15:15:00 | 62 | 12400.0 | 1745.0 | 6.25 | -1738.75 | 14.02 | 0.00 | -5.314 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 15:30:00 | 63 | 12400.0 | 1695.0 | 28.12 | -1666.88 | 13.44 | 0.00 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jeur-Khandke 220kV | 11/01/2020 15:45:00 | 64 | 12400.0 | 1647.5 | 128.12 | -1519.38 | 12.25 | 0.00 | 4.643 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 16:00:00 | 65 | 12400.0 | 1612.5 | 237.5 | -1375.0 | 11.09 | 0.00 | 2.103 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 16:15:00 | 66 | 12400.0 | 1640.0 | 206.25 | -1433.75 | 11.56 | 0.00 | -2.964 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 16:30:00 | 67 | 12400.0 | 1732.5 | 253.12 | -1479.38 | 11.93 | 0.00 | -2.103 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 16:45:00 | 68 | 12400.0 | 1675.0 | 353.12 | -1321.88 | 10.66 | 0.00 | 3.972 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 17:00:00 | 69 | 12400.0 | 1630.0 | 237.5 | -1392.5 | 11.23 | 0.00 | -1.577 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 17:15:00 | 70 | 12400.0 | 1642.5 | 225.0 | -1417.5 | 11.43 | 0.00 | -1.577 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 17:30:00 | 71 | 12400.0 | 1507.5 | 303.12 | -1204.38 | 9.71 | 0.00 | 1.051 | 15.367099 |
| Jeur-Khandke 220kV | 11/01/2020 17:45:00 | 72 | 12400.0 | 1720.0 | 484.38 | -1235.62 | 9.96 | 0.00 | -2.103 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 18:00:00 | 73 | 12400.0 | 1722.5 | 621.88 | -1100.62 | 8.88 | 0.00 | -2.964 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 18:15:00 | 74 | 12400.0 | 1505.0 | 784.38 | -720.62 | 5.81 | 0.00 | -2.629 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 18:30:00 | 75 | 12400.0 | 1647.5 | 984.38 | -663.12 | 5.35 | 0.00 | 2.103 | 23.310323 |
| Jeur-Khandke 220kV | 11/01/2020 18:45:00 | 76 | 12400.0 | 1587.5 | 1068.75 | -518.75 | 4.18 | 0.00 | 0.526 | 53.393292 |
| Jeur-Khandke 220kV | 11/01/2020 19:00:00 | 77 | 12400.0 | 1562.5 | 1453.12 | -109.38 | 0.88 | 0.00 | 2.103 | 44.714178 |
| Jeur-Khandke 220kV | 11/01/2020 19:15:00 | 78 | 12400.0 | 1612.5 | 1628.12 | 15.62 | 0.13 | 0.00 | -1.052 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 19:30:00 | 79 | 12400.0 | 1637.5 | 1909.38 | 271.88 | 2.19 | 0.00 | 2.964 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 19:45:00 | 80 | 12400.0 | 1662.5 | 2031.25 | 368.75 | 2.97 | 0.00 | 2.629 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 20:00:00 | 81 | 12400.0 | 1657.5 | 2206.25 | 548.75 | 4.43 | 0.00 | 2.629 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 20:15:00 | 82 | 12400.0 | 1682.5 | 2237.5 | 555.0 | 4.48 | 0.00 | 4.307 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 20:30:00 | 83 | 12400.0 | 1695.0 | 2112.5 | 417.5 | 3.37 | 0.00 | 2.964 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 20:45:00 | 84 | 12400.0 | 1737.5 | 2100.0 | 362.5 | 2.92 | 0.00 | 2.629 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jeur-Khandke 220kV | 11/01/2020 21:00:00 | 85 | 12400.0 | 1892.5 | 2231.25 | 338.75 | 2.73 | 0.00 | 3.636 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 21:15:00 | 86 | 12400.0 | 2002.5 | 2165.62 | 163.12 | 1.32 | 0.00 | -1.577 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 21:30:00 | 87 | 12400.0 | 2087.5 | 2093.75 | 6.25 | 0.05 | 0.00 | -1.577 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 21:45:00 | 88 | 12400.0 | 2162.5 | 1981.25 | -181.25 | 1.46 | 0.00 | -1.052 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 22:00:00 | 89 | 12400.0 | 2255.0 | 1840.62 | -414.38 | 3.34 | 0.00 | -5.650 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 22:15:00 | 90 | 12400.0 | 2362.5 | 1740.62 | -621.88 | 5.02 | 0.00 | -5.650 | 0.000000 |
| Jeur-Khandke 220kV | 11/01/2020 22:30:00 | 91 | 12400.0 | 2005.0 | 1659.38 | -345.62 | 2.79 | 0.00 | 4.979 | 166.642990 |
| Jeur-Khandke 220kV | 11/01/2020 22:45:00 | 92 | 12400.0 | 2080.0 | 1528.12 | -551.88 | 4.45 | 0.00 | 2.964 | 346.571202 |
| Jeur-Khandke 220kV | 11/01/2020 23:00:00 | 93 | 12400.0 | 2162.5 | 1559.38 | -603.12 | 4.86 | 0.00 | 1.577 | 94.308522 |
| Jeur-Khandke 220kV | 11/01/2020 23:15:00 | 94 | 12400.0 | 2120.0 | 1612.5 | -507.5 | 4.09 | 0.00 | 1.074 | 64.909088 |
| Jeur-Khandke 220kV | 11/01/2020 23:30:00 | 95 | 12400.0 | 2170.0 | 1500.0 | -670.0 | 5.4 | 0.00 | 2.113 | 386.247205 |
| Jeur-Khandke 220kV | 11/01/2020 23:45:00 | 96 | 12400.0 | 2220.0 | 1593.75 | -626.25 | 5.05 | 0.00 | 2.162 | 465.431734 |
| Jeur-Khandke 220kV | 12/01/2020 00:00:00 | 1 | 12400.0 | 1915.0 | 1462.5 | -452.5 | 3.65 | 0.00 | 3.022 | 278.318207 |
| Jeur-Khandke 220kV | 12/01/2020 00:15:00 | 2 | 12400.0 | 1897.5 | 1265.62 | -631.88 | 5.1 | 0.00 | -2.152 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 00:30:00 | 3 | 12400.0 | 1910.0 | 1093.75 | -816.25 | 6.58 | 0.00 | -2.152 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 00:45:00 | 4 | 12400.0 | 1895.0 | 1009.38 | -885.62 | 7.14 | 0.00 | -3.022 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 01:00:00 | 5 | 12400.0 | 1865.0 | 903.12 | -961.88 | 7.76 | 0.00 | -0.629 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 01:15:00 | 6 | 12400.0 | 1900.0 | 884.38 | -1015.62 | 8.19 | 0.00 | -3.317 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 01:30:00 | 7 | 12400.0 | 2042.5 | 1012.5 | -1030.0 | 8.31 | 0.00 | -3.354 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 01:45:00 | 8 | 12400.0 | 2025.0 | 1190.62 | -834.38 | 6.73 | 0.00 | -3.022 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 02:00:00 | 9 | 12400.0 | 2177.5 | 1234.38 | -943.12 | 7.61 | 0.00 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jeur-Khandke 220kV | 12/01/2020 02:15:00 | 10 | 12400.0 | 2222.5 | 1250.0 | -972.5 | 7.84 | 0.00 | -3.022 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 02:30:00 | 11 | 12400.0 | 2280.0 | 1203.12 | -1076.88 | 8.68 | 0.00 | -2.690 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 02:45:00 | 12 | 12400.0 | 1695.0 | 1287.5 | -407.5 | 3.29 | 0.00 | -3.022 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 03:00:00 | 13 | 12400.0 | 1647.5 | 1409.38 | -238.12 | 1.92 | 0.00 | 3.354 | 112.746730 |
| Jeur-Khandke 220kV | 12/01/2020 03:15:00 | 14 | 12400.0 | 1745.0 | 1350.0 | -395.0 | 3.19 | 0.00 | 3.022 | 229.362701 |
| Jeur-Khandke 220kV | 12/01/2020 03:30:00 | 15 | 12400.0 | 1695.0 | 1296.88 | -398.12 | 3.21 | 0.00 | 3.354 | 85.742942 |
| Jeur-Khandke 220kV | 12/01/2020 03:45:00 | 16 | 12400.0 | 1647.5 | 1225.0 | -422.5 | 3.41 | 0.00 | 2.152 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 04:00:00 | 17 | 12400.0 | 1612.5 | 1043.75 | -568.75 | 4.59 | 0.00 | -2.152 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 04:15:00 | 18 | 12400.0 | 1640.0 | 1018.75 | -621.25 | 5.01 | 0.00 | -3.022 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 04:30:00 | 19 | 12400.0 | 1732.5 | 878.12 | -854.38 | 6.89 | 0.00 | 1.076 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 04:45:00 | 20 | 12400.0 | 1675.0 | 896.88 | -778.12 | 6.28 | 0.00 | -3.022 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 05:00:00 | 21 | 12400.0 | 1630.0 | 959.38 | -670.62 | 5.41 | 0.00 | 3.686 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 05:15:00 | 22 | 12400.0 | 1642.5 | 950.0 | -692.5 | 5.58 | 0.00 | 3.686 | 764.014885 |
| Jeur-Khandke 220kV | 12/01/2020 05:30:00 | 23 | 12400.0 | 1507.5 | 862.5 | -645.0 | 5.2 | 0.00 | -1.614 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 05:45:00 | 24 | 12400.0 | 1720.0 | 768.75 | -951.25 | 7.67 | 0.00 | -0.496 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 06:00:00 | 25 | 12400.0 | 1722.5 | 675.0 | -1047.5 | 8.45 | 0.00 | 0.000 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 06:15:00 | 26 | 12400.0 | 1505.0 | 640.62 | -864.38 | 6.97 | 0.00 | -0.430 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 06:30:00 | 27 | 12400.0 | 1647.5 | 531.25 | -1116.25 | 9.0 | 0.00 | -2.152 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 06:45:00 | 28 | 12400.0 | 1587.5 | 471.88 | -1115.62 | 9.0 | 0.00 | 4.681 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 07:00:00 | 29 | 12400.0 | 1790.0 | 412.5 | -1377.5 | 11.11 | 0.00 | 1.614 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 07:15:00 | 30 | 12400.0 | 1745.0 | 418.75 | -1326.25 | 10.7 | 0.00 | 3.838 | 1097.679282 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jeur-Khandke 220kV | 12/01/2020 07:30:00 | 31 | 12400.0 | 1695.0 | 309.38 | -1385.62 | 11.17 | 0.00 | 3.022 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 07:45:00 | 32 | 12400.0 | 1647.5 | 287.5 | -1360.0 | 10.97 | 0.00 | 2.690 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 08:00:00 | 33 | 12400.0 | 1745.0 | 237.5 | -1507.5 | 12.16 | 0.00 | -2.690 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 08:15:00 | 34 | 12400.0 | 1695.0 | 115.62 | -1579.38 | 12.74 | 0.00 | -4.018 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 08:30:00 | 35 | 12400.0 | 1647.5 | 71.88 | -1575.62 | 12.71 | 0.00 | -2.690 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 08:45:00 | 36 | 12400.0 | 1612.5 | 31.25 | -1581.25 | 12.75 | 0.00 | 3.022 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 09:00:00 | 37 | 12400.0 | 1640.0 | 12.5 | -1627.5 | 13.12 | 0.00 | -3.354 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 09:15:00 | 38 | 12400.0 | 1732.5 | 15.62 | -1716.88 | 13.85 | 0.00 | -4.350 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 09:30:00 | 39 | 12400.0 | 1675.0 | 9.38 | -1665.62 | 13.43 | 0.00 | 2.152 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 09:45:00 | 40 | 12400.0 | 1630.0 | 18.75 | -1611.25 | 12.99 | 0.00 | -2.690 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 10:00:00 | 41 | 12400.0 | 1642.5 | 9.38 | -1633.12 | 13.17 | 0.00 | -3.354 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 10:15:00 | 42 | 12400.0 | 1507.5 | 0.0 | -1507.5 | 12.16 | 0.00 | -3.686 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 10:30:00 | 43 | 12400.0 | 1790.0 | 0.0 | -1790.0 | 14.44 | 0.00 | -1.614 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 10:45:00 | 44 | 12400.0 | 1745.0 | 6.25 | -1738.75 | 14.02 | 0.00 | 3.686 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 11:00:00 | 45 | 12400.0 | 1695.0 | 15.62 | -1679.38 | 13.54 | 0.00 | -3.354 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 11:15:00 | 46 | 12400.0 | 1647.5 | 28.12 | -1619.38 | 13.06 | 0.00 | -5.450 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 11:30:00 | 47 | 12400.0 | 1745.0 | 40.62 | -1704.38 | 13.75 | 0.00 | -6.009 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 11:45:00 | 48 | 12400.0 | 1695.0 | 53.12 | -1641.88 | 13.24 | 0.00 | 2.690 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 12:00:00 | 49 | 12400.0 | 1647.5 | 93.75 | -1553.75 | 12.53 | 0.00 | 3.686 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 12:15:00 | 50 | 12400.0 | 1612.5 | 118.75 | -1493.75 | 12.05 | 0.00 | -5.345 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 12:30:00 | 51 | 12400.0 | 1695.0 | 100.0 | -1595.0 | 12.86 | 0.00 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jeur-Khandke 220kV | 12/01/2020 12:45:00 | 52 | 12400.0 | 1647.5 | 234.38 | -1413.12 | 11.4 | 0.00 | -5.345 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 13:00:00 | 53 | 12400.0 | 1745.0 | 265.62 | -1479.38 | 11.93 | 0.00 | -3.999 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 13:15:00 | 54 | 12400.0 | 1695.0 | 271.88 | -1423.12 | 11.48 | 0.00 | -4.350 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 13:30:00 | 55 | 12400.0 | 1647.5 | 206.25 | -1441.25 | 11.62 | 0.00 | -1.076 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 13:45:00 | 56 | 12400.0 | 1612.5 | 293.75 | -1318.75 | 10.64 | 0.00 | -2.690 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 14:00:00 | 57 | 12400.0 | 1640.0 | 290.62 | -1349.38 | 10.88 | 0.00 | -0.538 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 14:15:00 | 58 | 12400.0 | 1732.5 | 212.5 | -1520.0 | 12.26 | 0.00 | -2.152 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 14:30:00 | 59 | 12400.0 | 1675.0 | 190.62 | -1484.38 | 11.97 | 0.00 | -2.690 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 14:45:00 | 60 | 12400.0 | 1630.0 | 178.12 | -1451.88 | 11.71 | 0.00 | -1.076 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 15:00:00 | 61 | 12400.0 | 1642.5 | 112.5 | -1530.0 | 12.34 | 0.00 | 0.000 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 15:15:00 | 62 | 12400.0 | 1507.5 | 125.0 | -1382.5 | 11.15 | 0.00 | -2.690 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 15:30:00 | 63 | 12400.0 | 1720.0 | 121.88 | -1598.12 | 12.89 | 0.00 | -3.022 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 15:45:00 | 64 | 12400.0 | 1722.5 | 168.75 | -1553.75 | 12.53 | 0.00 | -3.686 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 16:00:00 | 65 | 12400.0 | 1505.0 | 200.0 | -1305.0 | 10.52 | 0.00 | -3.737 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 16:15:00 | 66 | 12400.0 | 1647.5 | 253.12 | -1394.38 | 11.25 | 0.00 | -5.786 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 16:30:00 | 67 | 12400.0 | 1587.5 | 318.75 | -1268.75 | 10.23 | 0.00 | -4.350 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 16:45:00 | 68 | 12400.0 | 1790.0 | 287.5 | -1502.5 | 12.12 | 0.00 | -1.614 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 17:00:00 | 69 | 12400.0 | 1745.0 | 328.12 | -1416.88 | 11.43 | 0.00 | 0.000 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 17:15:00 | 70 | 12400.0 | 1695.0 | 425.0 | -1270.0 | 10.24 | 0.00 | 2.690 | 329.252252 |
| Jeur-Khandke 220kV | 12/01/2020 17:30:00 | 71 | 12400.0 | 1647.5 | 506.25 | -1141.25 | 9.2 | 0.00 | -3.022 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 17:45:00 | 72 | 12400.0 | 1745.0 | 709.38 | -1035.62 | 8.35 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jeur-Khandke 220kV | 12/01/2020 18:00:00 | 73 | 12400.0 | 1695.0 | 809.38 | -885.62 | 7.14 | 0.00 | -0.538 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 18:15:00 | 74 | 12400.0 | 1647.5 | 981.25 | -666.25 | 5.37 | 0.00 | -4.350 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 18:30:00 | 75 | 12400.0 | 1612.5 | 1006.25 | -606.25 | 4.89 | 0.00 | 2.690 | 104.253869 |
| Jeur-Khandke 220kV | 12/01/2020 18:45:00 | 76 | 12400.0 | 1640.0 | 978.12 | -661.88 | 5.34 | 0.00 | 3.022 | 733.274444 |
| Jeur-Khandke 220kV | 12/01/2020 19:00:00 | 77 | 12400.0 | 1732.5 | 909.38 | -823.12 | 6.64 | 0.00 | 3.686 | 292.913001 |
| Jeur-Khandke 220kV | 12/01/2020 19:15:00 | 78 | 12400.0 | 1675.0 | 800.0 | -875.0 | 7.06 | 0.00 | 2.690 | 18.482673 |
| Jeur-Khandke 220kV | 12/01/2020 19:30:00 | 79 | 12400.0 | 1630.0 | 740.62 | -889.38 | 7.17 | 0.00 | -3.022 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 19:45:00 | 80 | 12400.0 | 1642.5 | 796.88 | -845.62 | 6.82 | 0.00 | -1.781 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 20:00:00 | 81 | 12400.0 | 1507.5 | 853.12 | -654.38 | 5.28 | 0.00 | -3.021 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 20:15:00 | 82 | 12400.0 | 1790.0 | 881.25 | -908.75 | 7.33 | 0.00 | -4.018 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 20:30:00 | 83 | 12400.0 | 1745.0 | 940.62 | -804.38 | 6.49 | 0.00 | -3.354 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 20:45:00 | 84 | 12400.0 | 1695.0 | 928.12 | -766.88 | 6.18 | 0.00 | -1.614 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 21:00:00 | 85 | 12400.0 | 1647.5 | 793.75 | -853.75 | 6.89 | 0.00 | -4.350 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 21:15:00 | 86 | 12400.0 | 1745.0 | 687.5 | -1057.5 | 8.53 | 0.00 | -3.686 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 21:30:00 | 87 | 12400.0 | 1695.0 | 575.0 | -1120.0 | 9.03 | 0.00 | -1.614 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 21:45:00 | 88 | 12400.0 | 1647.5 | 525.0 | -1122.5 | 9.05 | 0.00 | 0.000 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 22:00:00 | 89 | 12400.0 | 1612.5 | 496.88 | -1115.62 | 9.0 | 0.00 | -3.354 | 0.000000 |
| Jeur-Khandke 220kV | 12/01/2020 22:15:00 | 90 | 12400.0 | 1695.0 | 496.88 | -1198.12 | 9.66 | 0.00 | 4.350 | 1462.845602 |
| Jeur-Khandke 220kV | 12/01/2020 22:30:00 | 91 | 12400.0 | 1647.5 | 437.5 | -1210.0 | 9.76 | 0.00 | 5.215 | 2786.190300 |
| Jeur-Khandke 220kV | 12/01/2020 22:45:00 | 92 | 12400.0 | 1745.0 | 284.38 | -1460.62 | 11.78 | 0.00 | 3.022 | 329.237899 |
| Jeur-Khandke 220kV | 12/01/2020 23:00:00 | 93 | 12400.0 | 1695.0 | 268.75 | -1426.25 | 11.5 | 0.00 | 3.022 | 704.171819 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Jeur-Khandke 220kV | 12/01/2020 23:15:00 | 94 | 12400.0 | 1647.5 | 265.62 | -1381.88 | 11.14 | 0.00 | 2.152 | 679.342723 |
| Jeur-Khandke 220kV | 12/01/2020 23:30:00 | 95 | 12400.0 | 1612.5 | 303.12 | -1309.38 | 10.56 | 0.00 | 2.152 | 370.422336 |
| Jeur-Khandke 220kV | 12/01/2020 23:45:00 | 96 | 12400.0 | 1640.0 | 365.62 | -1274.38 | 10.28 | 0.00 | 2.152 | 414.235433 |
| Kaledhone 132kV | 06/01/2020 00:00:00 | 1 | 11075.0 | 4940.0 | 4075.0 | -865.0 | 7.81 | 0.00 | 2.903 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 00:15:00 | 2 | 11075.0 | 4832.5 | 3937.5 | -895.0 | 8.08 | 0.00 | 0.000 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 00:30:00 | 3 | 11075.0 | 4555.0 | 4018.75 | -536.25 | 4.84 | 0.00 | 0.000 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 00:45:00 | 4 | 11075.0 | 4470.0 | 4171.88 | -298.12 | 2.69 | 0.00 | -0.984 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 01:00:00 | 5 | 11075.0 | 4302.5 | 4265.62 | -36.88 | 0.33 | 0.00 | -3.541 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 01:15:00 | 6 | 11075.0 | 4050.0 | 4315.62 | 265.62 | 2.4 | 0.00 | 3.222 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 01:30:00 | 7 | 11075.0 | 5202.5 | 4431.25 | -771.25 | 6.96 | 0.00 | 3.541 | 208.146762 |
| Kaledhone 132kV | 06/01/2020 01:45:00 | 8 | 11075.0 | 4922.5 | 4378.12 | -544.38 | 4.92 | 0.00 | 2.352 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 02:00:00 | 9 | 11075.0 | 4847.5 | 4315.62 | -531.88 | 4.8 | 0.00 | 1.747 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 02:15:00 | 10 | 11075.0 | 4682.5 | 4371.88 | -310.62 | 2.8 | 0.00 | 0.581 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 02:30:00 | 11 | 11075.0 | 4432.5 | 4684.38 | 251.88 | 2.27 | 0.00 | -2.323 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 02:45:00 | 12 | 11075.0 | 5312.5 | 4981.25 | -331.25 | 2.99 | 0.00 | 2.323 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 03:00:00 | 13 | 11075.0 | 5207.5 | 5218.75 | 11.25 | 0.1 | 0.00 | 2.323 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 03:15:00 | 14 | 11075.0 | 5052.5 | 5053.12 | 0.62 | 0.01 | 0.00 | -1.742 | -0.018670 |
| Kaledhone 132kV | 06/01/2020 03:30:00 | 15 | 11075.0 | 4970.0 | 5350.0 | 380.0 | 3.43 | 0.00 | 3.222 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 03:45:00 | 16 | 11075.0 | 4800.0 | 5762.5 | 962.5 | 8.69 | 0.00 | 3.541 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 04:00:00 | 17 | 11075.0 | 4550.0 | 5934.38 | 1384.38 | 12.5 | 0.00 | 4.496 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 04:15:00 | 18 | 11075.0 | 5430.0 | 5971.88 | 541.88 | 4.89 | 0.00 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kaledhone 132kV | 06/01/2020 04:30:00 | 19 | 11075.0 | 5547.5 | 5868.75 | 321.25 | 2.9 | 0.00 | 3.859 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 04:45:00 | 20 | 11075.0 | 5235.0 | 5931.25 | 696.25 | 6.29 | 0.00 | 4.815 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 05:00:00 | 21 | 11075.0 | 5197.5 | 5921.88 | 724.38 | 6.54 | 0.00 | 3.859 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 05:15:00 | 22 | 11075.0 | 5107.5 | 5762.5 | 655.0 | 5.91 | 0.00 | 6.407 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 05:30:00 | 23 | 11075.0 | 6065.0 | 5853.12 | -211.88 | 1.91 | 0.00 | 6.496 | 248.359203 |
| Kaledhone 132kV | 06/01/2020 05:45:00 | 24 | 11075.0 | 6007.5 | 6065.62 | 58.12 | 0.52 | 0.00 | 7.492 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 06:00:00 | 25 | 11075.0 | 5930.0 | 6109.38 | 179.38 | 1.62 | 0.00 | -5.452 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 06:15:00 | 26 | 11075.0 | 5845.0 | 6003.12 | 158.12 | 1.43 | 0.00 | -6.089 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 06:30:00 | 27 | 11075.0 | 5752.5 | 5987.5 | 235.0 | 2.12 | 0.00 | -7.044 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 06:45:00 | 28 | 11075.0 | 5775.0 | 5878.12 | 103.12 | 0.93 | 0.00 | 7.682 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 07:00:00 | 29 | 11075.0 | 5795.0 | 5868.75 | 73.75 | 0.67 | 0.00 | -3.859 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 07:15:00 | 30 | 11075.0 | 5757.5 | 5775.0 | 17.5 | 0.16 | 0.00 | 4.815 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 07:30:00 | 31 | 11075.0 | 5830.0 | 5409.38 | -420.62 | 3.8 | 0.00 | 4.178 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 07:45:00 | 32 | 11075.0 | 5800.0 | 5353.12 | -446.88 | 4.04 | 0.00 | -3.540 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 08:00:00 | 33 | 11075.0 | 5885.0 | 5193.75 | -691.25 | 6.24 | 0.00 | -3.859 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 08:15:00 | 34 | 11075.0 | 5830.0 | 4996.88 | -833.12 | 7.52 | 0.00 | -5.452 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 08:30:00 | 35 | 11075.0 | 5800.0 | 4993.75 | -806.25 | 7.28 | 0.00 | 4.178 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 08:45:00 | 36 | 11075.0 | 5717.5 | 4990.62 | -726.88 | 6.56 | 0.00 | -3.859 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 09:00:00 | 37 | 11075.0 | 5757.5 | 4840.62 | -916.88 | 8.28 | 0.00 | -6.407 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 09:15:00 | 38 | 11075.0 | 3880.0 | 4668.75 | 788.75 | 7.12 | 0.00 | -8.000 | -125.407065 |
| Kaledhone 132kV | 06/01/2020 09:30:00 | 39 | 11075.0 | 3785.0 | 4506.25 | 721.25 | 6.51 | 0.00 | -5.770 | -49.644750 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kaledhone 132kV | 06/01/2020 09:45:00 | 40 | 11075.0 | 3720.0 | 4037.5 | 317.5 | 2.87 | 0.00 | 3.222 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 10:00:00 | 41 | 11075.0 | 3802.5 | 3781.25 | -21.25 | 0.19 | 0.00 | -2.903 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 10:15:00 | 42 | 11075.0 | 3740.0 | 3337.5 | -402.5 | 3.63 | 0.00 | -3.222 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 10:30:00 | 43 | 11075.0 | 3577.5 | 2990.62 | -586.88 | 5.3 | 0.00 | 4.815 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 10:45:00 | 44 | 11075.0 | 3475.0 | 2206.25 | -1268.75 | 11.46 | 0.00 | 4.496 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 11:00:00 | 45 | 11075.0 | 3187.5 | 1834.38 | -1353.12 | 12.22 | 0.00 | 16.000 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 11:15:00 | 46 | 11075.0 | 3180.0 | 1475.0 | -1705.0 | 15.4 | 21.88 | 5.133 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 11:30:00 | 47 | 11075.0 | 3115.0 | 1506.25 | -1608.75 | 14.53 | 0.00 | 1.182 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 11:45:00 | 48 | 11075.0 | 2317.5 | 1118.75 | -1198.75 | 10.82 | 0.00 | 6.308 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 12:00:00 | 49 | 11075.0 | 2107.5 | 750.0 | -1357.5 | 12.26 | 0.00 | 6.598 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 12:15:00 | 50 | 11075.0 | 2112.5 | 534.38 | -1578.12 | 14.25 | 0.00 | 5.431 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 12:30:00 | 51 | 11075.0 | 2077.5 | 384.38 | -1693.12 | 15.29 | 15.94 | 3.540 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 12:45:00 | 52 | 11075.0 | 2030.0 | 384.38 | -1645.62 | 14.86 | 0.00 | -2.903 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 13:00:00 | 53 | 11075.0 | 2027.5 | 365.62 | -1661.88 | 15.01 | 0.32 | -1.161 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 13:15:00 | 54 | 11075.0 | 1665.0 | 271.88 | -1393.12 | 12.58 | 0.00 | 3.859 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 13:30:00 | 55 | 11075.0 | 1620.0 | 243.75 | -1376.25 | 12.43 | 0.00 | -6.407 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 13:45:00 | 56 | 11075.0 | 1595.0 | 271.88 | -1323.12 | 11.95 | 0.00 | 5.452 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 14:00:00 | 57 | 11075.0 | 1547.5 | 437.5 | -1110.0 | 10.02 | 0.00 | 5.452 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 14:15:00 | 58 | 11075.0 | 1497.5 | 484.38 | -1013.12 | 9.15 | 0.00 | 16.000 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 14:30:00 | 59 | 11075.0 | 1472.5 | 446.88 | -1025.62 | 9.26 | 0.00 | 6.035 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 14:45:00 | 60 | 11075.0 | 1332.5 | 381.25 | -951.25 | 8.59 | 0.00 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kaledhone 132kV | 06/01/2020 15:00:00 | 61 | 11075.0 | 1625.0 | 334.38 | -1290.62 | 11.65 | 0.00 | 3.367 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 15:15:00 | 62 | 11075.0 | 1557.5 | 393.75 | -1163.75 | 10.51 | 0.00 | 3.904 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 15:30:00 | 63 | 11075.0 | 1475.0 | 409.38 | -1065.62 | 9.62 | 0.00 | 4.482 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 15:45:00 | 64 | 11075.0 | 1445.0 | 300.0 | -1145.0 | 10.34 | 0.00 | 4.225 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 16:00:00 | 65 | 11075.0 | 1430.0 | 359.38 | -1070.62 | 9.67 | 0.00 | 2.895 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 16:15:00 | 66 | 11075.0 | 1400.0 | 362.5 | -1037.5 | 9.37 | 0.00 | 6.089 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 16:30:00 | 67 | 11075.0 | 1437.5 | 365.62 | -1071.88 | 9.68 | 0.00 | -8.000 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 16:45:00 | 68 | 11075.0 | 1182.5 | 531.25 | -651.25 | 5.88 | 0.00 | -4.178 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 17:00:00 | 69 | 11075.0 | 1147.5 | 481.25 | -666.25 | 6.02 | 0.00 | 1.742 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 17:15:00 | 70 | 11075.0 | 1175.0 | 359.38 | -815.62 | 7.36 | 0.00 | 2.903 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 17:30:00 | 71 | 11075.0 | 1165.0 | 303.12 | -861.88 | 7.78 | 0.00 | -4.178 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 17:45:00 | 72 | 11075.0 | 1140.0 | 215.62 | -924.38 | 8.35 | 0.00 | -2.323 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 18:00:00 | 73 | 11075.0 | 1140.0 | 165.62 | -974.38 | 8.8 | 0.00 | -2.903 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 18:15:00 | 74 | 11075.0 | 1180.0 | 125.0 | -1055.0 | 9.53 | 0.00 | 1.161 | 274.362763 |
| Kaledhone 132kV | 06/01/2020 18:30:00 | 75 | 11075.0 | 1185.0 | 62.5 | -1122.5 | 10.14 | 0.00 | 2.903 | 956.070995 |
| Kaledhone 132kV | 06/01/2020 18:45:00 | 76 | 11075.0 | 1195.0 | 21.88 | -1173.12 | 10.59 | 0.00 | 2.903 | 23.653878 |
| Kaledhone 132kV | 06/01/2020 19:00:00 | 77 | 11075.0 | 1205.0 | 0.0 | -1205.0 | 10.88 | 0.00 | -1.161 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 19:15:00 | 78 | 11075.0 | 1212.5 | 0.0 | -1212.5 | 10.95 | 0.00 | -4.178 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 19:30:00 | 79 | 11075.0 | 1245.0 | 0.0 | -1245.0 | 11.24 | 0.00 | -2.323 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 19:45:00 | 80 | 11075.0 | 790.0 | 0.0 | -790.0 | 7.13 | 0.00 | -4.178 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 20:00:00 | 81 | 11075.0 | 810.0 | 0.0 | -810.0 | 7.31 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kaledhone 132kV | 06/01/2020 20:15:00 | 82 | 11075.0 | 1207.5 | 0.0 | -1207.5 | 10.9 | 0.00 | -5.770 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 20:30:00 | 83 | 11075.0 | 1215.0 | 0.0 | -1215.0 | 10.97 | 0.00 | 5.770 | 165.547610 |
| Kaledhone 132kV | 06/01/2020 20:45:00 | 84 | 11075.0 | 1247.5 | 37.5 | -1210.0 | 10.93 | 0.00 | 4.178 | 500.399573 |
| Kaledhone 132kV | 06/01/2020 21:00:00 | 85 | 11075.0 | 792.5 | 237.5 | -555.0 | 5.01 | 0.00 | 3.222 | 121.421487 |
| Kaledhone 132kV | 06/01/2020 21:15:00 | 86 | 11075.0 | 802.5 | 375.0 | -427.5 | 3.86 | 0.00 | -1.742 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 21:30:00 | 87 | 11075.0 | 805.0 | 671.88 | -133.12 | 1.2 | 0.00 | 0.000 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 21:45:00 | 88 | 11075.0 | 822.5 | 846.88 | 24.38 | 0.22 | 0.00 | 1.161 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 22:00:00 | 89 | 11075.0 | 827.5 | 825.0 | -2.5 | 0.02 | 0.00 | 4.815 | 1.463838 |
| Kaledhone 132kV | 06/01/2020 22:15:00 | 90 | 11075.0 | 837.5 | 787.5 | -50.0 | 0.45 | 0.00 | 3.859 | 30.205042 |
| Kaledhone 132kV | 06/01/2020 22:30:00 | 91 | 11075.0 | 867.5 | 915.62 | 48.12 | 0.43 | 0.00 | 1.742 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 22:45:00 | 92 | 11075.0 | 905.0 | 1140.62 | 235.62 | 2.13 | 0.00 | -2.323 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 23:00:00 | 93 | 11075.0 | 965.0 | 1406.25 | 441.25 | 3.98 | 0.00 | -2.903 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 23:15:00 | 94 | 11075.0 | 1030.0 | 1478.12 | 448.12 | 4.05 | 0.00 | 2.323 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 23:30:00 | 95 | 11075.0 | 1070.0 | 1200.0 | 130.0 | 1.17 | 0.00 | -3.222 | 0.000000 |
| Kaledhone 132kV | 06/01/2020 23:45:00 | 96 | 11075.0 | 1117.5 | 1087.5 | -30.0 | 0.27 | 0.00 | 2.323 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 00:00:00 | 1 | 11075.0 | 1292.5 | 1090.62 | -201.88 | 1.82 | 0.00 | -0.549 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 00:15:00 | 2 | 11075.0 | 1412.5 | 1040.62 | -371.88 | 3.36 | 0.00 | -1.647 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 00:30:00 | 3 | 11075.0 | 1380.0 | 1068.75 | -311.25 | 2.81 | 0.00 | -3.073 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 00:45:00 | 4 | 11075.0 | 1392.5 | 959.38 | -433.12 | 3.91 | 0.00 | -2.744 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 01:00:00 | 5 | 11075.0 | 1325.0 | 796.88 | -528.12 | 4.77 | 0.00 | -4.058 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 01:15:00 | 6 | 11075.0 | 1207.5 | 765.62 | -441.88 | 3.99 | 0.00 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kaledhone 132kV | 07/01/2020 01:30:00 | 7 | 11075.0 | 1640.0 | 843.75 | -796.25 | 7.19 | 0.00 | -3.401 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 01:45:00 | 8 | 11075.0 | 1612.5 | 815.62 | -796.88 | 7.2 | 0.00 | 3.730 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 02:00:00 | 9 | 11075.0 | 1595.0 | 750.0 | -845.0 | 7.63 | 0.00 | 3.073 | 183.962787 |
| Kaledhone 132kV | 07/01/2020 02:15:00 | 10 | 11075.0 | 1667.5 | 612.5 | -1055.0 | 9.53 | 0.00 | 3.073 | 102.703910 |
| Kaledhone 132kV | 07/01/2020 02:30:00 | 11 | 11075.0 | 1790.0 | 565.62 | -1224.38 | 11.06 | 0.00 | 3.401 | 166.714108 |
| Kaledhone 132kV | 07/01/2020 02:45:00 | 12 | 11075.0 | 1755.0 | 659.38 | -1095.62 | 9.89 | 0.00 | 2.745 | 148.792143 |
| Kaledhone 132kV | 07/01/2020 03:00:00 | 13 | 11075.0 | 1770.0 | 656.25 | -1113.75 | 10.06 | 0.00 | 1.647 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 03:15:00 | 14 | 11075.0 | 1825.0 | 634.38 | -1190.62 | 10.75 | 0.00 | 2.196 | 76.381470 |
| Kaledhone 132kV | 07/01/2020 03:30:00 | 15 | 11075.0 | 1710.0 | 662.5 | -1047.5 | 9.46 | 0.00 | 1.647 | 89.404836 |
| Kaledhone 132kV | 07/01/2020 03:45:00 | 16 | 11075.0 | 1765.0 | 746.88 | -1018.12 | 9.19 | 0.00 | 1.098 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 04:00:00 | 17 | 11075.0 | 1875.0 | 728.12 | -1146.88 | 10.36 | 0.00 | 1.647 | 419.987352 |
| Kaledhone 132kV | 07/01/2020 04:15:00 | 18 | 11075.0 | 1887.5 | 665.62 | -1221.88 | 11.03 | 0.00 | 2.210 | 874.814870 |
| Kaledhone 132kV | 07/01/2020 04:30:00 | 19 | 11075.0 | 1737.5 | 628.12 | -1109.38 | 10.02 | 0.00 | 3.730 | 1121.574015 |
| Kaledhone 132kV | 07/01/2020 04:45:00 | 20 | 11075.0 | 1615.0 | 631.25 | -983.75 | 8.88 | 0.00 | -1.098 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 05:00:00 | 21 | 11075.0 | 1662.5 | 453.12 | -1209.38 | 10.92 | 0.00 | -2.744 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 05:15:00 | 22 | 11075.0 | 1630.0 | 228.12 | -1401.88 | 12.66 | 0.00 | 3.730 | 720.171604 |
| Kaledhone 132kV | 07/01/2020 05:30:00 | 23 | 11075.0 | 1647.5 | 190.62 | -1456.88 | 13.15 | 0.00 | 3.073 | 1681.385503 |
| Kaledhone 132kV | 07/01/2020 05:45:00 | 24 | 11075.0 | 1715.0 | 218.75 | -1496.25 | 13.51 | 0.00 | 3.730 | 1341.477934 |
| Kaledhone 132kV | 07/01/2020 06:00:00 | 25 | 11075.0 | 1787.5 | 212.5 | -1575.0 | 14.22 | 0.00 | -5.372 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 06:15:00 | 26 | 11075.0 | 1662.5 | 212.5 | -1450.0 | 13.09 | 0.00 | 4.556 | 4831.541788 |
| Kaledhone 132kV | 07/01/2020 06:30:00 | 27 | 11075.0 | 1660.0 | 153.12 | -1506.88 | 13.61 | 0.00 | 7.148 | 8693.475792 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kaledhone 132kV | 07/01/2020 06:45:00 | 28 | 11075.0 | 1625.0 | 171.88 | -1453.12 | 13.12 | 0.00 | 7.821 | 7687.314863 |
| Kaledhone 132kV | 07/01/2020 07:00:00 | 29 | 11075.0 | 1640.0 | 206.25 | -1433.75 | 12.95 | 0.00 | 5.372 | 3810.115718 |
| Kaledhone 132kV | 07/01/2020 07:15:00 | 30 | 11075.0 | 1580.0 | 218.75 | -1361.25 | 12.29 | 0.00 | 16.000 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 07:30:00 | 31 | 11075.0 | 1462.5 | 281.25 | -1181.25 | 10.67 | 0.00 | 9.296 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 07:45:00 | 32 | 11075.0 | 1520.0 | 484.38 | -1035.62 | 9.35 | 0.00 | 9.794 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 08:00:00 | 33 | 11075.0 | 1492.5 | 559.38 | -933.12 | 8.43 | 0.00 | 3.593 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 08:15:00 | 34 | 11075.0 | 1467.5 | 668.75 | -798.75 | 7.21 | 0.00 | 3.401 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 08:30:00 | 35 | 11075.0 | 1535.0 | 725.0 | -810.0 | 7.31 | 0.00 | 3.245 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 08:45:00 | 36 | 11075.0 | 1657.5 | 890.62 | -766.88 | 6.92 | 0.00 | 0.000 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 09:00:00 | 37 | 11075.0 | 1632.5 | 868.75 | -763.75 | 6.9 | 0.00 | 2.745 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 09:15:00 | 38 | 11075.0 | 1645.0 | 787.5 | -857.5 | 7.74 | 0.00 | 4.715 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 09:30:00 | 39 | 11075.0 | 1577.5 | 784.38 | -793.12 | 7.16 | 0.00 | 3.981 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 09:45:00 | 40 | 11075.0 | 1460.0 | 753.12 | -706.88 | 6.38 | 0.00 | 3.730 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 10:00:00 | 41 | 11075.0 | 1517.5 | 565.62 | -951.88 | 8.59 | 0.00 | 1.780 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 10:15:00 | 42 | 11075.0 | 1625.0 | 487.5 | -1137.5 | 10.27 | 0.00 | 5.643 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 10:30:00 | 43 | 11075.0 | 1640.0 | 365.62 | -1274.38 | 11.51 | 0.00 | 4.976 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 10:45:00 | 44 | 11075.0 | 1550.0 | 381.25 | -1168.75 | 10.55 | 0.00 | 4.415 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 11:00:00 | 45 | 11075.0 | 1212.5 | 315.62 | -896.88 | 8.1 | 0.00 | 4.476 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 11:15:00 | 46 | 11075.0 | 1295.0 | 431.25 | -863.75 | 7.8 | 0.00 | 4.826 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 11:30:00 | 47 | 11075.0 | 1305.0 | 550.0 | -755.0 | 6.82 | 0.00 | 2.289 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 11:45:00 | 48 | 11075.0 | 1315.0 | 475.0 | -840.0 | 7.58 | 0.00 | -0.549 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kaledhone 132kV | 07/01/2020 12:00:00 | 49 | 11075.0 | 1420.0 | 471.88 | -948.12 | 8.56 | 0.00 | 4.727 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 12:15:00 | 50 | 11075.0 | 1590.0 | 478.12 | -1111.88 | 10.04 | 0.00 | 4.777 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 12:30:00 | 51 | 11075.0 | 1465.0 | 506.25 | -958.75 | 8.66 | 0.00 | 4.798 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 12:45:00 | 52 | 11075.0 | 1580.0 | 446.88 | -1133.12 | 10.23 | 0.00 | -3.401 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 13:00:00 | 53 | 11075.0 | 1545.0 | 362.5 | -1182.5 | 10.68 | 0.00 | -2.431 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 13:15:00 | 54 | 11075.0 | 1557.5 | 353.12 | -1204.38 | 10.87 | 0.00 | -4.387 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 13:30:00 | 55 | 11075.0 | 1487.5 | 346.88 | -1140.62 | 10.3 | 0.00 | -3.401 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 13:45:00 | 56 | 11075.0 | 1372.5 | 337.5 | -1035.0 | 9.35 | 0.00 | -5.044 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 14:00:00 | 57 | 11075.0 | 1430.0 | 434.38 | -995.62 | 8.99 | 0.00 | 4.215 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 14:15:00 | 58 | 11075.0 | 1405.0 | 409.38 | -995.62 | 8.99 | 0.00 | 9.552 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 14:30:00 | 59 | 11075.0 | 1352.5 | 306.25 | -1046.25 | 9.45 | 0.00 | 6.358 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 14:45:00 | 60 | 11075.0 | 1400.0 | 396.88 | -1003.12 | 9.06 | 0.00 | 2.744 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 15:00:00 | 61 | 11075.0 | 1500.0 | 612.5 | -887.5 | 8.01 | 0.00 | -3.073 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 15:15:00 | 62 | 11075.0 | 1447.5 | 475.0 | -972.5 | 8.78 | 0.00 | -4.058 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 15:30:00 | 63 | 11075.0 | 1430.0 | 290.62 | -1139.38 | 10.29 | 0.00 | -4.831 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 15:45:00 | 64 | 11075.0 | 1337.5 | 543.75 | -793.75 | 7.17 | 0.00 | -5.372 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 16:00:00 | 65 | 11075.0 | 1202.5 | 478.12 | -724.38 | 6.54 | 0.00 | 2.196 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 16:15:00 | 66 | 11075.0 | 1237.5 | 409.38 | -828.12 | 7.48 | 0.00 | -3.401 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 16:30:00 | 67 | 11075.0 | 1382.5 | 556.25 | -826.25 | 7.46 | 0.00 | 4.738 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 16:45:00 | 68 | 11075.0 | 1395.0 | 562.5 | -832.5 | 7.52 | 0.00 | 7.343 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 17:00:00 | 69 | 11075.0 | 1327.5 | 596.88 | -730.62 | 6.6 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kaledhone 132kV | 07/01/2020 17:15:00 | 70 | 11075.0 | 1210.0 | 575.0 | -635.0 | 5.73 | 0.00 | 2.744 | 105.629789 |
| Kaledhone 132kV | 07/01/2020 17:30:00 | 71 | 11075.0 | 1267.5 | 706.25 | -561.25 | 5.07 | 0.00 | 3.401 | 37.059020 |
| Kaledhone 132kV | 07/01/2020 17:45:00 | 72 | 11075.0 | 1240.0 | 778.12 | -461.88 | 4.17 | 0.00 | -2.745 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 18:00:00 | 73 | 11075.0 | 1215.0 | 693.75 | -521.25 | 4.71 | 0.00 | -3.073 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 18:15:00 | 74 | 11075.0 | 1292.5 | 368.75 | -923.75 | 8.34 | 0.00 | -5.372 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 18:30:00 | 75 | 11075.0 | 1412.5 | 315.62 | -1096.88 | 9.9 | 0.00 | 3.401 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 18:45:00 | 76 | 11075.0 | 1195.0 | 240.62 | -954.38 | 8.62 | 0.00 | -3.401 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 19:00:00 | 77 | 11075.0 | 1205.0 | 234.38 | -970.62 | 8.76 | 0.00 | -3.730 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 19:15:00 | 78 | 11075.0 | 1212.5 | 125.0 | -1087.5 | 9.82 | 0.00 | -4.715 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 19:30:00 | 79 | 11075.0 | 1245.0 | 65.62 | -1179.38 | 10.65 | 0.00 | -4.058 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 19:45:00 | 80 | 11075.0 | 790.0 | 81.25 | -708.75 | 6.4 | 0.00 | -2.210 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 20:00:00 | 81 | 11075.0 | 810.0 | 84.38 | -725.62 | 6.55 | 0.00 | -2.348 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 20:15:00 | 82 | 11075.0 | 1207.5 | 93.75 | -1113.75 | 10.06 | 0.00 | 4.387 | 1738.176173 |
| Kaledhone 132kV | 07/01/2020 20:30:00 | 83 | 11075.0 | 1215.0 | 128.12 | -1086.88 | 9.81 | 0.00 | 3.816 | 2217.984108 |
| Kaledhone 132kV | 07/01/2020 20:45:00 | 84 | 11075.0 | 1247.5 | 206.25 | -1041.25 | 9.4 | 0.00 | 3.401 | 511.603637 |
| Kaledhone 132kV | 07/01/2020 21:00:00 | 85 | 11075.0 | 792.5 | 309.38 | -483.12 | 4.36 | 0.00 | -4.058 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 21:15:00 | 86 | 11075.0 | 802.5 | 337.5 | -465.0 | 4.2 | 0.00 | 1.647 | 246.466295 |
| Kaledhone 132kV | 07/01/2020 21:30:00 | 87 | 11075.0 | 805.0 | 268.75 | -536.25 | 4.84 | 0.00 | 2.196 | 171.001536 |
| Kaledhone 132kV | 07/01/2020 21:45:00 | 88 | 11075.0 | 822.5 | 300.0 | -522.5 | 4.72 | 0.00 | -2.196 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 22:00:00 | 89 | 11075.0 | 827.5 | 309.38 | -518.12 | 4.68 | 0.00 | -3.257 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 22:15:00 | 90 | 11075.0 | 837.5 | 353.12 | -484.38 | 4.37 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kaledhone 132kV | 07/01/2020 22:30:00 | 91 | 11075.0 | 867.5 | 203.12 | -664.38 | 6.0 | 0.00 | -1.098 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 22:45:00 | 92 | 11075.0 | 905.0 | 106.25 | -798.75 | 7.21 | 0.00 | -1.647 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 23:00:00 | 93 | 11075.0 | 965.0 | 78.12 | -886.88 | 8.01 | 0.00 | -3.401 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 23:15:00 | 94 | 11075.0 | 1030.0 | 96.88 | -933.12 | 8.43 | 0.00 | 1.647 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 23:30:00 | 95 | 11075.0 | 1070.0 | 112.5 | -957.5 | 8.65 | 0.00 | -2.196 | 0.000000 |
| Kaledhone 132kV | 07/01/2020 23:45:00 | 96 | 11075.0 | 1117.5 | 96.88 | -1020.62 | 9.22 | 0.00 | -0.549 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 00:00:00 | 1 | 11075.0 | 1292.5 | 59.38 | -1233.12 | 11.13 | 0.00 | -2.220 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 00:15:00 | 2 | 11075.0 | 1412.5 | 90.62 | -1321.88 | 11.94 | 0.00 | -3.101 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 00:30:00 | 3 | 11075.0 | 1380.0 | 165.62 | -1214.38 | 10.97 | 0.00 | -3.101 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 00:45:00 | 4 | 11075.0 | 1392.5 | 150.0 | -1242.5 | 11.22 | 0.00 | -2.424 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 01:00:00 | 5 | 11075.0 | 1325.0 | 168.75 | -1156.25 | 10.44 | 0.00 | -2.170 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 01:15:00 | 6 | 11075.0 | 1207.5 | 134.38 | -1073.12 | 9.69 | 0.00 | -1.761 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 01:30:00 | 7 | 11075.0 | 1640.0 | 84.38 | -1555.62 | 14.05 | 0.00 | -1.665 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 01:45:00 | 8 | 11075.0 | 1612.5 | 56.25 | -1556.25 | 14.05 | 0.00 | -1.665 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 02:00:00 | 9 | 11075.0 | 1595.0 | 46.88 | -1548.12 | 13.98 | 0.00 | -1.110 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 02:15:00 | 10 | 11075.0 | 1667.5 | 21.88 | -1645.62 | 14.86 | 0.00 | -1.347 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 02:30:00 | 11 | 11075.0 | 1790.0 | 6.25 | -1783.75 | 16.11 | 61.25 | -3.101 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 02:45:00 | 12 | 11075.0 | 1755.0 | 40.62 | -1714.38 | 15.48 | 26.57 | -2.220 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 03:00:00 | 13 | 11075.0 | 1770.0 | 56.25 | -1713.75 | 15.47 | 26.25 | -3.428 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 03:15:00 | 14 | 11075.0 | 1825.0 | 75.0 | -1750.0 | 15.8 | 44.38 | -2.220 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 03:30:00 | 15 | 11075.0 | 1710.0 | 118.75 | -1591.25 | 14.37 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kaledhone 132kV | 08/01/2020 03:45:00 | 16 | 11075.0 | 1765.0 | 71.88 | -1693.12 | 15.29 | 15.94 | -2.775 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 04:00:00 | 17 | 11075.0 | 1875.0 | 18.75 | -1856.25 | 16.76 | 97.50 | -3.101 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 04:15:00 | 18 | 11075.0 | 1887.5 | 0.0 | -1887.5 | 17.04 | 113.13 | -1.665 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 04:30:00 | 19 | 11075.0 | 1737.5 | 9.38 | -1728.12 | 15.6 | 33.44 | -2.220 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 04:45:00 | 20 | 11075.0 | 1615.0 | 40.62 | -1574.38 | 14.22 | 0.00 | -2.775 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 05:00:00 | 21 | 11075.0 | 1662.5 | 46.88 | -1615.62 | 14.59 | 0.00 | -1.110 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 05:15:00 | 22 | 11075.0 | 1630.0 | 121.88 | -1508.12 | 13.62 | 0.00 | 2.775 | 72.673370 |
| Kaledhone 132kV | 08/01/2020 05:30:00 | 23 | 11075.0 | 1647.5 | 84.38 | -1563.12 | 14.11 | 0.00 | -3.428 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 05:45:00 | 24 | 11075.0 | 1715.0 | 21.88 | -1693.12 | 15.29 | 15.94 | -2.775 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 06:00:00 | 25 | 11075.0 | 1787.5 | 0.0 | -1787.5 | 16.14 | 63.13 | -2.220 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 06:15:00 | 26 | 11075.0 | 1662.5 | 3.12 | -1659.38 | 14.98 | 0.00 | 2.220 | 339.749635 |
| Kaledhone 132kV | 08/01/2020 06:30:00 | 27 | 11075.0 | 1660.0 | 6.25 | -1653.75 | 14.93 | 0.00 | 5.387 | 2976.687768 |
| Kaledhone 132kV | 08/01/2020 06:45:00 | 28 | 11075.0 | 1625.0 | 3.12 | -1621.88 | 14.64 | 0.00 | -4.734 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 07:00:00 | 29 | 11075.0 | 1640.0 | 0.0 | -1640.0 | 14.81 | 0.00 | -4.407 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 07:15:00 | 30 | 11075.0 | 1580.0 | 0.0 | -1580.0 | 14.27 | 0.00 | 5.061 | 2784.881951 |
| Kaledhone 132kV | 08/01/2020 07:30:00 | 31 | 11075.0 | 1462.5 | 6.25 | -1456.25 | 13.15 | 0.00 | 5.714 | 2455.965939 |
| Kaledhone 132kV | 08/01/2020 07:45:00 | 32 | 11075.0 | 1520.0 | 15.62 | -1504.38 | 13.58 | 0.00 | 5.061 | 997.455729 |
| Kaledhone 132kV | 08/01/2020 08:00:00 | 33 | 11075.0 | 1492.5 | 9.38 | -1483.12 | 13.39 | 0.00 | 2.775 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 08:15:00 | 34 | 11075.0 | 1467.5 | 15.62 | -1451.88 | 13.11 | 0.00 | 2.775 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 08:30:00 | 35 | 11075.0 | 1535.0 | 25.0 | -1510.0 | 13.63 | 0.00 | 5.387 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 08:45:00 | 36 | 11075.0 | 1657.5 | 34.38 | -1623.12 | 14.66 | 0.00 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kaledhone 132kV | 08/01/2020 09:00:00 | 37 | 11075.0 | 1632.5 | 34.38 | -1598.12 | 14.43 | 0.00 | 7.673 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 09:15:00 | 38 | 11075.0 | 1645.0 | 12.5 | -1632.5 | 14.74 | 0.00 | 7.673 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 09:30:00 | 39 | 11075.0 | 1577.5 | 25.0 | -1552.5 | 14.02 | 0.00 | 3.101 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 09:45:00 | 40 | 11075.0 | 1460.0 | 71.88 | -1388.12 | 12.53 | 0.00 | -3.101 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 10:00:00 | 41 | 11075.0 | 1517.5 | 87.5 | -1430.0 | 12.91 | 0.00 | -3.101 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 10:15:00 | 42 | 11075.0 | 1625.0 | 121.88 | -1503.12 | 13.57 | 0.00 | -3.101 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 10:30:00 | 43 | 11075.0 | 1640.0 | 203.12 | -1436.88 | 12.97 | 0.00 | -1.665 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 10:45:00 | 44 | 11075.0 | 1550.0 | 225.0 | -1325.0 | 11.96 | 0.00 | 0.000 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 11:00:00 | 45 | 11075.0 | 1212.5 | 140.62 | -1071.88 | 9.68 | 0.00 | -1.486 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 11:15:00 | 46 | 11075.0 | 1295.0 | 175.0 | -1120.0 | 10.11 | 0.00 | -1.305 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 11:30:00 | 47 | 11075.0 | 1305.0 | 284.38 | -1020.62 | 9.22 | 0.00 | -2.425 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 11:45:00 | 48 | 11075.0 | 1315.0 | 343.75 | -971.25 | 8.77 | 0.00 | -2.775 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 12:00:00 | 49 | 11075.0 | 1420.0 | 346.88 | -1073.12 | 9.69 | 0.00 | -2.083 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 12:15:00 | 50 | 11075.0 | 1590.0 | 362.5 | -1227.5 | 11.08 | 0.00 | -3.242 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 12:30:00 | 51 | 11075.0 | 1465.0 | 468.75 | -996.25 | 9.0 | 0.00 | -1.330 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 12:45:00 | 52 | 11075.0 | 1580.0 | 490.62 | -1089.38 | 9.84 | 0.00 | -0.830 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 13:00:00 | 53 | 11075.0 | 1545.0 | 531.25 | -1013.75 | 9.15 | 0.00 | 2.775 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 13:15:00 | 54 | 11075.0 | 1557.5 | 668.75 | -888.75 | 8.02 | 0.00 | 0.000 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 13:30:00 | 55 | 11075.0 | 1487.5 | 818.75 | -668.75 | 6.04 | 0.00 | -1.012 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 13:45:00 | 56 | 11075.0 | 1372.5 | 946.88 | -425.62 | 3.84 | 0.00 | -1.087 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 14:00:00 | 57 | 11075.0 | 1430.0 | 790.62 | -639.38 | 5.77 | 0.00 | -3.101 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kaledhone 132kV | 08/01/2020 14:15:00 | 58 | 11075.0 | 1405.0 | 803.12 | -601.88 | 5.43 | 0.00 | -4.081 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 14:30:00 | 59 | 11075.0 | 1352.5 | 956.25 | -396.25 | 3.58 | 0.00 | -2.996 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 14:45:00 | 60 | 11075.0 | 1400.0 | 1078.12 | -321.88 | 2.91 | 0.00 | -3.101 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 15:00:00 | 61 | 11075.0 | 1500.0 | 996.88 | -503.12 | 4.54 | 0.00 | -1.879 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 15:15:00 | 62 | 11075.0 | 1447.5 | 1143.75 | -303.75 | 2.74 | 0.00 | -4.081 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 15:30:00 | 63 | 11075.0 | 1430.0 | 1203.12 | -226.88 | 2.05 | 0.00 | 4.938 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 15:45:00 | 64 | 11075.0 | 1337.5 | 1296.88 | -40.62 | 0.37 | 0.00 | 4.719 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 16:00:00 | 65 | 11075.0 | 1202.5 | 1137.5 | -65.0 | 0.59 | 0.00 | 0.555 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 16:15:00 | 66 | 11075.0 | 1237.5 | 1181.25 | -56.25 | 0.51 | 0.00 | -4.081 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 16:30:00 | 67 | 11075.0 | 1382.5 | 821.88 | -560.62 | 5.06 | 0.00 | -3.754 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 16:45:00 | 68 | 11075.0 | 1395.0 | 615.62 | -779.38 | 7.04 | 0.00 | -8.000 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 17:00:00 | 69 | 11075.0 | 2222.5 | 1362.5 | -860.0 | 7.77 | 0.00 | 0.000 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 17:15:00 | 70 | 11075.0 | 2270.0 | 1075.0 | -1195.0 | 10.79 | 0.00 | 4.081 | 229.231335 |
| Kaledhone 132kV | 08/01/2020 17:30:00 | 71 | 11075.0 | 2302.5 | 1284.38 | -1018.12 | 9.19 | 0.00 | -5.387 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 17:45:00 | 72 | 11075.0 | 1800.0 | 1225.0 | -575.0 | 5.19 | 0.00 | -3.101 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 18:00:00 | 73 | 11075.0 | 1495.0 | 1071.88 | -423.12 | 3.82 | 0.00 | -2.775 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 18:15:00 | 74 | 11075.0 | 1485.0 | 1375.0 | -110.0 | 0.99 | 0.00 | -3.101 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 18:30:00 | 75 | 11075.0 | 1440.0 | 1306.25 | -133.75 | 1.21 | 0.00 | -2.220 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 18:45:00 | 76 | 11075.0 | 1432.5 | 1456.25 | 23.75 | 0.21 | 0.00 | 2.220 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 19:00:00 | 77 | 11075.0 | 1375.0 | 1675.0 | 300.0 | 2.71 | 0.00 | 1.110 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 19:15:00 | 78 | 11075.0 | 1830.0 | 1743.75 | -86.25 | 0.78 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kaledhone 132kV | 08/01/2020 19:30:00 | 79 | 11075.0 | 1817.5 | 2068.75 | 251.25 | 2.27 | 0.00 | -2.220 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 19:45:00 | 80 | 11075.0 | 1865.0 | 2171.88 | 306.88 | 2.77 | 0.00 | -0.555 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 20:00:00 | 81 | 11075.0 | 1922.5 | 2396.88 | 474.38 | 4.28 | 0.00 | 2.775 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 20:15:00 | 82 | 11075.0 | 1967.5 | 2415.62 | 448.12 | 4.05 | 0.00 | 3.101 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 20:30:00 | 83 | 11075.0 | 3105.0 | 2525.0 | -580.0 | 5.24 | 0.00 | 4.408 | 1313.821132 |
| Kaledhone 132kV | 08/01/2020 20:45:00 | 84 | 11075.0 | 3020.0 | 2628.12 | -391.88 | 3.54 | 0.00 | 3.101 | 256.446255 |
| Kaledhone 132kV | 08/01/2020 21:00:00 | 85 | 11075.0 | 3082.5 | 2712.5 | -370.0 | 3.34 | 0.00 | 3.101 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 21:15:00 | 86 | 11075.0 | 3060.0 | 2593.75 | -466.25 | 4.21 | 0.00 | -0.555 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 21:30:00 | 87 | 11075.0 | 3047.5 | 2262.5 | -785.0 | 7.09 | 0.00 | -1.110 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 21:45:00 | 88 | 11075.0 | 3012.5 | 2428.12 | -584.38 | 5.28 | 0.00 | -1.110 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 22:00:00 | 89 | 11075.0 | 2977.5 | 2456.25 | -521.25 | 4.71 | 0.00 | -2.489 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 22:15:00 | 90 | 11075.0 | 2932.5 | 2196.88 | -735.62 | 6.64 | 0.00 | -2.775 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 22:30:00 | 91 | 11075.0 | 2850.0 | 1978.12 | -871.88 | 7.87 | 0.00 | -2.223 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 22:45:00 | 92 | 11075.0 | 2790.0 | 1815.62 | -974.38 | 8.8 | 0.00 | 1.110 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 23:00:00 | 93 | 11075.0 | 2707.5 | 1784.38 | -923.12 | 8.34 | 0.00 | 1.110 | 98.553220 |
| Kaledhone 132kV | 08/01/2020 23:15:00 | 94 | 11075.0 | 2655.0 | 1881.25 | -773.75 | 6.99 | 0.00 | 1.110 | 0.000000 |
| Kaledhone 132kV | 08/01/2020 23:30:00 | 95 | 11075.0 | 2590.0 | 1803.12 | -786.88 | 7.11 | 0.00 | 2.775 | 7.153148 |
| Kaledhone 132kV | 08/01/2020 23:45:00 | 96 | 11075.0 | 2490.0 | 1856.25 | -633.75 | 5.72 | 0.00 | 0.000 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 00:00:00 | 1 | 11075.0 | 1960.0 | 1903.12 | -56.88 | 0.51 | 0.00 | -0.576 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 00:15:00 | 2 | 11075.0 | 2000.0 | 1825.0 | -175.0 | 1.58 | 0.00 | -1.727 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 00:30:00 | 3 | 11075.0 | 1967.5 | 1746.88 | -220.62 | 1.99 | 0.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kaledhone 132kV | 09/01/2020 00:45:00 | 4 | 11075.0 | 1965.0 | 1743.75 | -221.25 | 2.0 | 0.00 | -2.879 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 01:00:00 | 5 | 11075.0 | 1917.5 | 1650.0 | -267.5 | 2.42 | 0.00 | -3.519 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 01:15:00 | 6 | 11075.0 | 1922.5 | 1490.62 | -431.88 | 3.9 | 0.00 | -3.519 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 01:30:00 | 7 | 11075.0 | 1957.5 | 1365.62 | -591.88 | 5.34 | 0.00 | -3.199 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 01:45:00 | 8 | 11075.0 | 1967.5 | 1156.25 | -811.25 | 7.33 | 0.00 | 3.519 | 197.123642 |
| Kaledhone 132kV | 09/01/2020 02:00:00 | 9 | 11075.0 | 2117.5 | 918.75 | -1198.75 | 10.82 | 0.00 | 3.519 | 1319.713405 |
| Kaledhone 132kV | 09/01/2020 02:15:00 | 10 | 11075.0 | 2212.5 | 928.12 | -1284.38 | 11.6 | 0.00 | 2.879 | 620.146577 |
| Kaledhone 132kV | 09/01/2020 02:30:00 | 11 | 11075.0 | 2150.0 | 975.0 | -1175.0 | 10.61 | 0.00 | 3.199 | 816.257476 |
| Kaledhone 132kV | 09/01/2020 02:45:00 | 12 | 11075.0 | 2090.0 | 825.0 | -1265.0 | 11.42 | 0.00 | 1.152 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 03:00:00 | 13 | 11075.0 | 1850.0 | 343.75 | -1506.25 | 13.6 | 0.00 | -2.879 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 03:15:00 | 14 | 11075.0 | 1847.5 | 28.12 | -1819.38 | 16.43 | 79.07 | -3.839 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 03:30:00 | 15 | 11075.0 | 1842.5 | 34.38 | -1808.12 | 16.33 | 73.44 | 3.199 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 03:45:00 | 16 | 11075.0 | 1815.0 | 121.88 | -1693.12 | 15.29 | 15.94 | 0.000 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 04:00:00 | 17 | 11075.0 | 1390.0 | 309.38 | -1080.62 | 9.76 | 0.00 | 1.727 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 04:15:00 | 18 | 11075.0 | 1277.5 | 406.25 | -871.25 | 7.87 | 0.00 | 1.727 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 04:30:00 | 19 | 11075.0 | 1330.0 | 337.5 | -992.5 | 8.96 | 0.00 | 1.727 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 04:45:00 | 20 | 11075.0 | 1440.0 | 575.0 | -865.0 | 7.81 | 0.00 | 2.879 | 745.465678 |
| Kaledhone 132kV | 09/01/2020 05:00:00 | 21 | 11075.0 | 1465.0 | 775.0 | -690.0 | 6.23 | 0.00 | 3.839 | 344.433294 |
| Kaledhone 132kV | 09/01/2020 05:15:00 | 22 | 11075.0 | 1392.5 | 559.38 | -833.12 | 7.52 | 0.00 | 5.119 | 1175.951130 |
| Kaledhone 132kV | 09/01/2020 05:30:00 | 23 | 11075.0 | 1282.5 | 393.75 | -888.75 | 8.02 | 0.00 | 4.064 | 2286.223947 |
| Kaledhone 132kV | 09/01/2020 05:45:00 | 24 | 11075.0 | 1330.0 | 290.62 | -1039.38 | 9.38 | 0.00 | 1.152 | 7.332661 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kaledhone 132kV | 09/01/2020 06:00:00 | 25 | 11075.0 | 1307.5 | 362.5 | -945.0 | 8.53 | 0.00 | -2.303 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 06:15:00 | 26 | 11075.0 | 1285.0 | 762.5 | -522.5 | 4.72 | 0.00 | 2.303 | 347.540375 |
| Kaledhone 132kV | 09/01/2020 06:30:00 | 27 | 11075.0 | 1350.0 | 1137.5 | -212.5 | 1.92 | 0.00 | -3.839 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 06:45:00 | 28 | 11075.0 | 1482.5 | 1803.12 | 320.62 | 2.89 | 0.00 | -2.879 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 07:00:00 | 29 | 11075.0 | 1285.0 | 1675.0 | 390.0 | 3.52 | 0.00 | -2.879 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 07:15:00 | 30 | 11075.0 | 1360.0 | 1171.88 | -188.12 | 1.7 | 0.00 | 6.400 | 93.590978 |
| Kaledhone 132kV | 09/01/2020 07:30:00 | 31 | 11075.0 | 1472.5 | 937.5 | -535.0 | 4.83 | 0.00 | 1.172 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 07:45:00 | 32 | 11075.0 | 1442.5 | 815.62 | -626.88 | 5.66 | 0.00 | 0.576 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 08:00:00 | 33 | 11075.0 | 1460.0 | 831.25 | -628.75 | 5.68 | 0.00 | -0.576 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 08:15:00 | 34 | 11075.0 | 1387.5 | 1100.0 | -287.5 | 2.6 | 0.00 | -1.152 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 08:30:00 | 35 | 11075.0 | 1272.5 | 1246.88 | -25.62 | 0.23 | 0.00 | 0.576 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 08:45:00 | 36 | 11075.0 | 1340.0 | 1265.62 | -74.38 | 0.67 | 0.00 | 0.000 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 09:00:00 | 37 | 11075.0 | 1445.0 | 1340.62 | -104.38 | 0.94 | 0.00 | 1.152 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 09:15:00 | 38 | 11075.0 | 1465.0 | 1325.0 | -140.0 | 1.26 | 0.00 | 1.727 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 09:30:00 | 39 | 11075.0 | 1387.5 | 1293.75 | -93.75 | 0.85 | 0.00 | -3.839 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 09:45:00 | 40 | 11075.0 | 1282.5 | 1225.0 | -57.5 | 0.52 | 0.00 | -1.152 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 10:00:00 | 41 | 11075.0 | 1335.0 | 1400.0 | 65.0 | 0.59 | 0.00 | 0.000 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 10:15:00 | 42 | 11075.0 | 1315.0 | 1487.5 | 172.5 | 1.56 | 0.00 | 1.727 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 10:30:00 | 43 | 11075.0 | 1280.0 | 1371.88 | 91.88 | 0.83 | 0.00 | 2.303 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 10:45:00 | 44 | 11075.0 | 1352.5 | 1262.5 | -90.0 | 0.81 | 0.00 | -1.144 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 11:00:00 | 45 | 11075.0 | 1477.5 | 1190.62 | -286.88 | 2.59 | 0.00 | -4.479 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kaledhone 132kV | 09/01/2020 11:15:00 | 46 | 11075.0 | 1350.0 | 959.38 | -390.62 | 3.53 | 0.00 | -3.519 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 11:30:00 | 47 | 11075.0 | 1472.5 | 718.75 | -753.75 | 6.81 | 0.00 | -2.303 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 11:45:00 | 48 | 11075.0 | 1450.0 | 518.75 | -931.25 | 8.41 | 0.00 | -0.576 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 12:00:00 | 49 | 11075.0 | 1460.0 | 278.12 | -1181.88 | 10.67 | 0.00 | 0.000 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 12:15:00 | 50 | 11075.0 | 1397.5 | 143.75 | -1253.75 | 11.32 | 0.00 | 3.839 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 12:30:00 | 51 | 11075.0 | 1272.5 | 81.25 | -1191.25 | 10.76 | 0.00 | 3.199 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 12:45:00 | 52 | 11075.0 | 1340.0 | 59.38 | -1280.62 | 11.56 | 0.00 | 3.199 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 13:00:00 | 53 | 11075.0 | 1310.0 | 46.88 | -1263.12 | 11.41 | 0.00 | -1.152 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 13:15:00 | 54 | 11075.0 | 1290.0 | 65.62 | -1224.38 | 11.06 | 0.00 | -1.152 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 13:30:00 | 55 | 11075.0 | 1350.0 | 59.38 | -1290.62 | 11.65 | 0.00 | 1.727 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 13:45:00 | 56 | 11075.0 | 1475.0 | 31.25 | -1443.75 | 13.04 | 0.00 | 3.199 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 14:00:00 | 57 | 11075.0 | 1445.0 | 34.38 | -1410.62 | 12.74 | 0.00 | 4.345 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 14:15:00 | 58 | 11075.0 | 1455.0 | 43.75 | -1411.25 | 12.74 | 0.00 | 3.941 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 14:30:00 | 59 | 11075.0 | 1330.0 | 37.5 | -1292.5 | 11.67 | 0.00 | 1.152 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 14:45:00 | 60 | 11075.0 | 1315.0 | 15.62 | -1299.38 | 11.73 | 0.00 | -0.576 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 15:00:00 | 61 | 11075.0 | 1285.0 | 12.5 | -1272.5 | 11.49 | 0.00 | -1.006 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 15:15:00 | 62 | 11075.0 | 1360.0 | 21.88 | -1338.12 | 12.08 | 0.00 | 3.199 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 15:30:00 | 63 | 11075.0 | 1447.5 | 9.38 | -1438.12 | 12.99 | 0.00 | 2.879 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 15:45:00 | 64 | 11075.0 | 1390.0 | 12.5 | -1377.5 | 12.44 | 0.00 | 3.839 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 16:00:00 | 65 | 11075.0 | 1385.0 | 0.0 | -1385.0 | 12.51 | 0.00 | 1.727 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 16:15:00 | 66 | 11075.0 | 1295.0 | 9.38 | -1285.62 | 11.61 | 0.00 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kaledhone 132kV | 09/01/2020 16:30:00 | 67 | 11075.0 | 1215.0 | 3.12 | -1211.88 | 10.94 | 0.00 | -4.159 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 16:45:00 | 68 | 11075.0 | 1270.0 | 9.38 | -1260.62 | 11.38 | 0.00 | 3.839 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 17:00:00 | 69 | 11075.0 | 1380.0 | 6.25 | -1373.75 | 12.4 | 0.00 | 1.727 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 17:15:00 | 70 | 11075.0 | 1392.5 | 28.12 | -1364.38 | 12.32 | 0.00 | 3.839 | 468.958908 |
| Kaledhone 132kV | 09/01/2020 17:30:00 | 71 | 11075.0 | 1325.0 | 3.12 | -1321.88 | 11.94 | 0.00 | -2.879 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 17:45:00 | 72 | 11075.0 | 1207.5 | 46.88 | -1160.62 | 10.48 | 0.00 | -4.146 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 18:00:00 | 73 | 11075.0 | 1265.0 | 81.25 | -1183.75 | 10.69 | 0.00 | -3.349 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 18:15:00 | 74 | 11075.0 | 1247.5 | 121.88 | -1125.62 | 10.16 | 0.00 | -4.563 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 18:30:00 | 75 | 11075.0 | 1220.0 | 153.12 | -1066.88 | 9.63 | 0.00 | -3.839 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 18:45:00 | 76 | 11075.0 | 1290.0 | 137.5 | -1152.5 | 10.41 | 0.00 | -2.879 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 19:00:00 | 77 | 11075.0 | 1410.0 | 187.5 | -1222.5 | 11.04 | 0.00 | -3.199 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 19:15:00 | 78 | 11075.0 | 1287.5 | 268.75 | -1018.75 | 9.2 | 0.00 | -1.727 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 19:30:00 | 79 | 11075.0 | 1407.5 | 359.38 | -1048.12 | 9.46 | 0.00 | -1.442 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 19:45:00 | 80 | 11075.0 | 1375.0 | 440.62 | -934.38 | 8.44 | 0.00 | -0.286 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 20:00:00 | 81 | 11075.0 | 1397.5 | 562.5 | -835.0 | 7.54 | 0.00 | -1.070 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 20:15:00 | 82 | 11075.0 | 1327.5 | 690.62 | -636.88 | 5.75 | 0.00 | -2.236 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 20:30:00 | 83 | 11075.0 | 1212.5 | 765.62 | -446.88 | 4.04 | 0.00 | -4.799 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 20:45:00 | 84 | 11075.0 | 1267.5 | 953.12 | -314.38 | 2.84 | 0.00 | -1.727 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 21:00:00 | 85 | 11075.0 | 1242.5 | 768.75 | -473.75 | 4.28 | 0.00 | -1.727 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 21:15:00 | 86 | 11075.0 | 1215.0 | 1209.38 | -5.62 | 0.05 | 0.00 | 1.152 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 21:30:00 | 87 | 11075.0 | 1285.0 | 1250.0 | -35.0 | 0.32 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kaledhone 132kV | 09/01/2020 21:45:00 | 88 | 11075.0 | 1415.0 | 1281.25 | -133.75 | 1.21 | 0.00 | -2.303 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 22:00:00 | 89 | 11075.0 | 1720.0 | 1303.12 | -416.88 | 3.76 | 0.00 | -2.795 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 22:15:00 | 90 | 11075.0 | 1772.5 | 1390.62 | -381.88 | 3.45 | 0.00 | -3.674 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 22:30:00 | 91 | 11075.0 | 1817.5 | 1500.0 | -317.5 | 2.87 | 0.00 | -2.303 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 22:45:00 | 92 | 11075.0 | 1825.0 | 1596.88 | -228.12 | 2.06 | 0.00 | -1.152 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 23:00:00 | 93 | 11075.0 | 1907.5 | 1587.5 | -320.0 | 2.89 | 0.00 | 0.000 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 23:15:00 | 94 | 11075.0 | 1785.0 | 1753.12 | -31.88 | 0.29 | 0.00 | -0.576 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 23:30:00 | 95 | 11075.0 | 1910.0 | 1746.88 | -163.12 | 1.47 | 0.00 | -0.576 | 0.000000 |
| Kaledhone 132kV | 09/01/2020 23:45:00 | 96 | 11075.0 | 1875.0 | 1843.75 | -31.25 | 0.28 | 0.00 | -0.987 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 00:00:00 | 1 | 11075.0 | 1960.0 | 1875.0 | -85.0 | 0.77 | 0.00 | -0.680 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 00:15:00 | 2 | 11075.0 | 2250.0 | 1993.75 | -256.25 | 2.31 | 0.00 | -3.326 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 00:30:00 | 3 | 11075.0 | 2217.5 | 2309.38 | 91.88 | 0.83 | 0.00 | -2.992 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 00:45:00 | 4 | 11075.0 | 2215.0 | 2609.38 | 394.38 | 3.56 | 0.00 | -0.532 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 01:00:00 | 5 | 11075.0 | 2377.5 | 2809.38 | 431.88 | 3.9 | 0.00 | -0.713 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 01:15:00 | 6 | 11075.0 | 2345.0 | 3150.0 | 805.0 | 7.27 | 0.00 | -0.548 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 01:30:00 | 7 | 11075.0 | 2342.5 | 3578.12 | 1235.62 | 11.16 | 0.00 | -2.658 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 01:45:00 | 8 | 11075.0 | 2292.5 | 3615.62 | 1323.12 | 11.95 | 0.00 | 2.127 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 02:00:00 | 9 | 11075.0 | 2252.5 | 3434.38 | 1181.88 | 10.67 | 0.00 | 5.342 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 02:15:00 | 10 | 11075.0 | 2217.5 | 3500.0 | 1282.5 | 11.58 | 0.00 | 1.595 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 02:30:00 | 11 | 11075.0 | 2170.0 | 3415.62 | 1245.62 | 11.25 | 0.00 | 3.326 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 02:45:00 | 12 | 11075.0 | 2132.5 | 3584.38 | 1451.88 | 13.11 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kaledhone 132kV | 10/01/2020 03:00:00 | 13 | 11075.0 | 3522.5 | 3687.5 | 165.0 | 1.49 | 0.00 | 2.658 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 03:15:00 | 14 | 11075.0 | 3487.5 | 3768.75 | 281.25 | 2.54 | 0.00 | 2.127 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 03:30:00 | 15 | 11075.0 | 3477.5 | 3946.88 | 469.38 | 4.24 | 0.00 | 2.127 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 03:45:00 | 16 | 11075.0 | 3457.5 | 4328.12 | 870.62 | 7.86 | 0.00 | -1.063 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 04:00:00 | 17 | 11075.0 | 3292.5 | 4315.62 | 1023.12 | 9.24 | 0.00 | 1.595 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 04:15:00 | 18 | 11075.0 | 3220.0 | 3943.75 | 723.75 | 6.53 | 0.00 | 3.326 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 04:30:00 | 19 | 11075.0 | 3752.5 | 3875.0 | 122.5 | 1.11 | 0.00 | 3.326 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 04:45:00 | 20 | 11075.0 | 3755.0 | 3946.88 | 191.88 | 1.73 | 0.00 | 2.127 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 05:00:00 | 21 | 11075.0 | 3740.0 | 4118.75 | 378.75 | 3.42 | 0.00 | 2.992 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 05:15:00 | 22 | 11075.0 | 3767.5 | 4159.38 | 391.88 | 3.54 | 0.00 | 1.063 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 05:30:00 | 23 | 11075.0 | 3622.5 | 3893.75 | 271.25 | 2.45 | 0.00 | -2.658 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 05:45:00 | 24 | 11075.0 | 3630.0 | 3956.25 | 326.25 | 2.95 | 0.00 | 2.127 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 06:00:00 | 25 | 11075.0 | 3487.5 | 4168.75 | 681.25 | 6.15 | 0.00 | -2.127 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 06:15:00 | 26 | 11075.0 | 3447.5 | 4506.25 | 1058.75 | 9.56 | 0.00 | 2.658 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 06:30:00 | 27 | 11075.0 | 3407.5 | 4478.12 | 1070.62 | 9.67 | 0.00 | -2.992 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 06:45:00 | 28 | 11075.0 | 3352.5 | 4471.88 | 1119.38 | 10.11 | 0.00 | -3.077 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 07:00:00 | 29 | 11075.0 | 3987.5 | 4331.25 | 343.75 | 3.1 | 0.00 | -0.687 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 07:15:00 | 30 | 11075.0 | 3825.0 | 4175.0 | 350.0 | 3.16 | 0.00 | -2.658 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 07:30:00 | 31 | 11075.0 | 3740.0 | 4015.62 | 275.62 | 2.49 | 0.00 | -1.063 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 07:45:00 | 32 | 11075.0 | 3705.0 | 4046.88 | 341.88 | 3.09 | 0.00 | -2.658 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 08:00:00 | 33 | 11075.0 | 3710.0 | 4125.0 | 415.0 | 3.75 | 0.00 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kaledhone 132kV | 10/01/2020 08:15:00 | 34 | 11075.0 | 3710.0 | 4084.38 | 374.38 | 3.38 | 0.00 | -4.661 | -49.203069 |
| Kaledhone 132kV | 10/01/2020 08:30:00 | 35 | 11075.0 | 3740.0 | 4003.12 | 263.12 | 2.38 | 0.00 | 5.663 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 08:45:00 | 36 | 11075.0 | 3620.0 | 4106.25 | 486.25 | 4.39 | 0.00 | 4.328 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 09:00:00 | 37 | 11075.0 | 3540.0 | 4025.0 | 485.0 | 4.38 | 0.00 | -4.995 | -88.448756 |
| Kaledhone 132kV | 10/01/2020 09:15:00 | 38 | 11075.0 | 3562.5 | 3934.38 | 371.88 | 3.36 | 0.00 | -4.327 | -48.614475 |
| Kaledhone 132kV | 10/01/2020 09:30:00 | 39 | 11075.0 | 3410.0 | 3387.5 | -22.5 | 0.2 | 0.00 | -2.127 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 09:45:00 | 40 | 11075.0 | 3397.5 | 3062.5 | -335.0 | 3.02 | 0.00 | -1.152 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 10:00:00 | 41 | 11075.0 | 3060.0 | 2912.5 | -147.5 | 1.33 | 0.00 | 0.000 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 10:15:00 | 42 | 11075.0 | 2792.5 | 3203.12 | 410.62 | 3.71 | 0.00 | -0.532 | -12.641034 |
| Kaledhone 132kV | 10/01/2020 10:30:00 | 43 | 11075.0 | 3282.5 | 3365.62 | 83.12 | 0.75 | 0.00 | -1.063 | -4.965246 |
| Kaledhone 132kV | 10/01/2020 10:45:00 | 44 | 11075.0 | 3232.5 | 2881.25 | -351.25 | 3.17 | 0.00 | 0.000 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 11:00:00 | 45 | 11075.0 | 3210.0 | 2981.25 | -228.75 | 2.07 | 0.00 | 2.658 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 11:15:00 | 46 | 11075.0 | 3167.5 | 3168.75 | 1.25 | 0.01 | 0.00 | 0.000 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 11:30:00 | 47 | 11075.0 | 3012.5 | 3056.25 | 43.75 | 0.4 | 0.00 | -1.595 | -1.191412 |
| Kaledhone 132kV | 10/01/2020 11:45:00 | 48 | 11075.0 | 2885.0 | 2750.0 | -135.0 | 1.22 | 0.00 | 2.992 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 12:00:00 | 49 | 11075.0 | 3172.5 | 2568.75 | -603.75 | 5.45 | 0.00 | 0.000 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 12:15:00 | 50 | 11075.0 | 3140.0 | 2600.0 | -540.0 | 4.88 | 0.00 | 2.127 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 12:30:00 | 51 | 11075.0 | 3075.0 | 2728.12 | -346.88 | 3.13 | 0.00 | 1.595 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 12:45:00 | 52 | 11075.0 | 3017.5 | 2500.0 | -517.5 | 4.67 | 0.00 | -1.063 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 13:00:00 | 53 | 11075.0 | 2990.0 | 2056.25 | -933.75 | 8.43 | 0.00 | 2.658 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 13:15:00 | 54 | 11075.0 | 2965.0 | 1768.75 | -1196.25 | 10.8 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kaledhone 132kV | 10/01/2020 13:30:00 | 55 | 11075.0 | 2780.0 | 1193.75 | -1586.25 | 14.32 | 0.00 | 2.127 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 13:45:00 | 56 | 11075.0 | 2590.0 | 518.75 | -2071.25 | 18.7 | 205.00 | -3.326 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 14:00:00 | 57 | 11075.0 | 2537.5 | 356.25 | -2181.25 | 19.7 | 260.00 | -2.992 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 14:15:00 | 58 | 11075.0 | 2417.5 | 315.62 | -2101.88 | 18.98 | 220.32 | 3.660 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 14:30:00 | 59 | 11075.0 | 2365.0 | 281.25 | -2083.75 | 18.81 | 211.25 | -2.127 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 14:45:00 | 60 | 11075.0 | 2092.5 | 175.0 | -1917.5 | 17.31 | 128.13 | -2.127 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 15:00:00 | 61 | 11075.0 | 1537.5 | 190.62 | -1346.88 | 12.16 | 0.00 | 0.000 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 15:15:00 | 62 | 11075.0 | 1517.5 | 312.5 | -1205.0 | 10.88 | 0.00 | -2.992 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 15:30:00 | 63 | 11075.0 | 1477.5 | 387.5 | -1090.0 | 9.84 | 0.00 | -4.995 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 15:45:00 | 64 | 11075.0 | 1450.0 | 334.38 | -1115.62 | 10.07 | 0.00 | -4.327 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 16:00:00 | 65 | 11075.0 | 1365.0 | 321.88 | -1043.12 | 9.42 | 0.00 | -4.995 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 16:15:00 | 66 | 11075.0 | 1310.0 | 350.0 | -960.0 | 8.67 | 0.00 | -8.000 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 16:30:00 | 67 | 11075.0 | 1305.0 | 384.38 | -920.62 | 8.31 | 0.00 | -8.000 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 16:45:00 | 68 | 11075.0 | 1285.0 | 403.12 | -881.88 | 7.96 | 0.00 | 4.327 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 17:00:00 | 69 | 11075.0 | 1257.5 | 362.5 | -895.0 | 8.08 | 0.00 | 0.532 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 17:15:00 | 70 | 11075.0 | 1230.0 | 334.38 | -895.62 | 8.09 | 0.00 | -1.595 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 17:30:00 | 71 | 11075.0 | 1202.5 | 321.88 | -880.62 | 7.95 | 0.00 | -2.658 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 17:45:00 | 72 | 11075.0 | 1190.0 | 328.12 | -861.88 | 7.78 | 0.00 | -2.127 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 18:00:00 | 73 | 11075.0 | 1022.5 | 250.0 | -772.5 | 6.98 | 0.00 | -1.461 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 18:15:00 | 74 | 11075.0 | 1065.0 | 206.25 | -858.75 | 7.75 | 0.00 | 3.326 | 301.778639 |
| Kaledhone 132kV | 10/01/2020 18:30:00 | 75 | 11075.0 | 1077.5 | 200.0 | -877.5 | 7.92 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kaledhone 132kV | 10/01/2020 18:45:00 | 76 | 11075.0 | 1122.5 | 262.5 | -860.0 | 7.77 | 0.00 | 3.994 | 143.554973 |
| Kaledhone 132kV | 10/01/2020 19:00:00 | 77 | 11075.0 | 1177.5 | 306.25 | -871.25 | 7.87 | 0.00 | -2.127 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 19:15:00 | 78 | 11075.0 | 1242.5 | 271.88 | -970.62 | 8.76 | 0.00 | -2.658 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 19:30:00 | 79 | 11075.0 | 1305.0 | 281.25 | -1023.75 | 9.24 | 0.00 | -3.660 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 19:45:00 | 80 | 11075.0 | 1377.5 | 290.62 | -1086.88 | 9.81 | 0.00 | -3.326 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 20:00:00 | 81 | 11075.0 | 1447.5 | 309.38 | -1138.12 | 10.28 | 0.00 | 3.660 | 277.438196 |
| Kaledhone 132kV | 10/01/2020 20:15:00 | 82 | 11075.0 | 1520.0 | 387.5 | -1132.5 | 10.23 | 0.00 | 3.660 | 1185.559362 |
| Kaledhone 132kV | 10/01/2020 20:30:00 | 83 | 11075.0 | 1592.5 | 521.88 | -1070.62 | 9.67 | 0.00 | 4.995 | 1591.113726 |
| Kaledhone 132kV | 10/01/2020 20:45:00 | 84 | 11075.0 | 1637.5 | 568.75 | -1068.75 | 9.65 | 0.00 | 2.992 | 1123.180990 |
| Kaledhone 132kV | 10/01/2020 21:00:00 | 85 | 11075.0 | 1882.5 | 696.88 | -1185.62 | 10.71 | 0.00 | -3.660 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 21:15:00 | 86 | 11075.0 | 1915.0 | 721.88 | -1193.12 | 10.77 | 0.00 | -1.595 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 21:30:00 | 87 | 11075.0 | 1920.0 | 618.75 | -1301.25 | 11.75 | 0.00 | -1.063 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 21:45:00 | 88 | 11075.0 | 1940.0 | 612.5 | -1327.5 | 11.99 | 0.00 | -0.532 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 22:00:00 | 89 | 11075.0 | 1952.5 | 637.5 | -1315.0 | 11.87 | 0.00 | -1.595 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 22:15:00 | 90 | 11075.0 | 1952.5 | 643.75 | -1308.75 | 11.82 | 0.00 | -2.127 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 22:30:00 | 91 | 11075.0 | 1935.0 | 746.88 | -1188.12 | 10.73 | 0.00 | 1.063 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 22:45:00 | 92 | 11075.0 | 1985.0 | 996.88 | -988.12 | 8.92 | 0.00 | -2.658 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 23:00:00 | 93 | 11075.0 | 2032.5 | 1112.5 | -920.0 | 8.31 | 0.00 | -2.658 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 23:15:00 | 94 | 11075.0 | 2090.0 | 1190.62 | -899.38 | 8.12 | 0.00 | 0.000 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 23:30:00 | 95 | 11075.0 | 2085.0 | 1559.38 | -525.62 | 4.75 | 0.00 | 0.000 | 0.000000 |
| Kaledhone 132kV | 10/01/2020 23:45:00 | 96 | 11075.0 | 2060.0 | 1790.62 | -269.38 | 2.43 | 0.00 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kaledhone 132kV | 11/01/2020 00:00:00 | 1 | 11075.0 | 1585.0 | 2450.0 | 865.0 | 7.81 | 0.00 | 0.000 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 00:15:00 | 2 | 11075.0 | 1600.0 | 4100.0 | 2500.0 | 22.57 | 419.38 | -2.629 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 00:30:00 | 3 | 11075.0 | 1472.5 | 4962.5 | 3490.0 | 31.51 | 1275.00 | -1.577 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 00:45:00 | 4 | 11075.0 | 1455.0 | 4968.75 | 3513.75 | 31.73 | 1298.75 | 2.103 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 01:00:00 | 5 | 11075.0 | 2832.5 | 4656.25 | 1823.75 | 16.47 | 81.25 | 2.964 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 01:15:00 | 6 | 11075.0 | 2825.0 | 4078.12 | 1253.12 | 11.31 | 0.00 | 1.052 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 01:30:00 | 7 | 11075.0 | 2862.5 | 3921.88 | 1059.38 | 9.57 | 0.00 | 1.577 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 01:45:00 | 8 | 11075.0 | 2850.0 | 3915.62 | 1065.62 | 9.62 | 0.00 | -0.526 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 02:00:00 | 9 | 11075.0 | 2817.5 | 3978.12 | 1160.62 | 10.48 | 0.00 | -0.403 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 02:15:00 | 10 | 11075.0 | 2790.0 | 4428.12 | 1638.12 | 14.79 | 0.00 | -0.630 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 02:30:00 | 11 | 11075.0 | 3965.0 | 4465.62 | 500.62 | 4.52 | 0.00 | -0.526 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 02:45:00 | 12 | 11075.0 | 3942.5 | 4556.25 | 613.75 | 5.54 | 0.00 | -0.526 | -29.227226 |
| Kaledhone 132kV | 11/01/2020 03:00:00 | 13 | 11075.0 | 3872.5 | 4684.38 | 811.88 | 7.33 | 0.00 | -1.051 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 03:15:00 | 14 | 11075.0 | 3847.5 | 4800.0 | 952.5 | 8.6 | 0.00 | 0.000 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 03:30:00 | 15 | 11075.0 | 3770.0 | 5062.5 | 1292.5 | 11.67 | 0.00 | 0.000 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 03:45:00 | 16 | 11075.0 | 3712.5 | 5415.62 | 1703.12 | 15.38 | 20.94 | 0.000 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 04:00:00 | 17 | 11075.0 | 5305.0 | 5237.5 | -67.5 | 0.61 | 0.00 | 0.000 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 04:15:00 | 18 | 11075.0 | 5157.5 | 5000.0 | -157.5 | 1.42 | 0.00 | -1.051 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 04:30:00 | 19 | 11075.0 | 5130.0 | 4825.0 | -305.0 | 2.75 | 0.00 | -2.964 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 04:45:00 | 20 | 11075.0 | 5040.0 | 4559.38 | -480.62 | 4.34 | 0.00 | -3.300 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 05:00:00 | 21 | 11075.0 | 4935.0 | 4446.88 | -488.12 | 4.41 | 0.00 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kaledhone 132kV | 11/01/2020 05:15:00 | 22 | 11075.0 | 4817.5 | 4290.62 | -526.88 | 4.76 | 0.00 | 5.314 | 660.177598 |
| Kaledhone 132kV | 11/01/2020 05:30:00 | 23 | 11075.0 | 4735.0 | 4171.88 | -563.12 | 5.08 | 0.00 | 2.964 | 340.941764 |
| Kaledhone 132kV | 11/01/2020 05:45:00 | 24 | 11075.0 | 4650.0 | 4250.0 | -400.0 | 3.61 | 0.00 | 2.103 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 06:00:00 | 25 | 11075.0 | 5505.0 | 4100.0 | -1405.0 | 12.69 | 0.00 | 3.636 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 06:15:00 | 26 | 11075.0 | 5437.5 | 4109.38 | -1328.12 | 11.99 | 0.00 | 2.964 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 06:30:00 | 27 | 11075.0 | 5390.0 | 3946.88 | -1443.12 | 13.03 | 0.00 | 4.105 | 1060.159882 |
| Kaledhone 132kV | 11/01/2020 06:45:00 | 28 | 11075.0 | 5225.0 | 3800.0 | -1425.0 | 12.87 | 0.00 | 5.650 | 220.379544 |
| Kaledhone 132kV | 11/01/2020 07:00:00 | 29 | 11075.0 | 4075.0 | 3600.0 | -475.0 | 4.29 | 0.00 | 3.300 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 07:15:00 | 30 | 11075.0 | 3955.0 | 3350.0 | -605.0 | 5.46 | 0.00 | 5.314 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 07:30:00 | 31 | 11075.0 | 3945.0 | 2987.5 | -957.5 | 8.65 | 0.00 | 2.964 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 07:45:00 | 32 | 11075.0 | 3822.5 | 2731.25 | -1091.25 | 9.85 | 0.00 | 2.103 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 08:00:00 | 33 | 11075.0 | 3687.5 | 2450.0 | -1237.5 | 11.17 | 0.00 | -1.577 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 08:15:00 | 34 | 11075.0 | 3475.0 | 2271.88 | -1203.12 | 10.86 | 0.00 | 3.300 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 08:30:00 | 35 | 11075.0 | 3357.5 | 2462.5 | -895.0 | 8.08 | 0.00 | 2.116 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 08:45:00 | 36 | 11075.0 | 3270.0 | 2275.0 | -995.0 | 8.98 | 0.00 | 2.964 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 09:00:00 | 37 | 11075.0 | 3010.0 | 2118.75 | -891.25 | 8.05 | 0.00 | 6.681 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 09:15:00 | 38 | 11075.0 | 2897.5 | 1859.38 | -1038.12 | 9.37 | 0.00 | 6.657 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 09:30:00 | 39 | 11075.0 | 2767.5 | 1696.88 | -1070.62 | 9.67 | 0.00 | -6.322 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 09:45:00 | 40 | 11075.0 | 2672.5 | 1503.12 | -1169.38 | 10.56 | 0.00 | -2.103 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 10:00:00 | 41 | 11075.0 | 2575.0 | 1178.12 | -1396.88 | 12.61 | 0.00 | 0.526 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 10:15:00 | 42 | 11075.0 | 2490.0 | 921.88 | -1568.12 | 14.16 | 0.00 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kaledhone 132kV | 11/01/2020 10:30:00 | 43 | 11075.0 | 1455.0 | 828.12 | -626.88 | 5.66 | 0.00 | 0.000 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 10:45:00 | 44 | 11075.0 | 1332.5 | 693.75 | -638.75 | 5.77 | 0.00 | 0.000 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 11:00:00 | 45 | 11075.0 | 1310.0 | 556.25 | -753.75 | 6.81 | 0.00 | 0.000 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 11:15:00 | 46 | 11075.0 | 1280.0 | 428.12 | -851.88 | 7.69 | 0.00 | -2.964 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 11:30:00 | 47 | 11075.0 | 1350.0 | 353.12 | -996.88 | 9.0 | 0.00 | -4.307 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 11:45:00 | 48 | 11075.0 | 1482.5 | 343.75 | -1138.75 | 10.28 | 0.00 | -3.300 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 12:00:00 | 49 | 11075.0 | 1445.0 | 309.38 | -1135.62 | 10.25 | 0.00 | -0.526 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 12:15:00 | 50 | 11075.0 | 1465.0 | 271.88 | -1193.12 | 10.77 | 0.00 | -2.103 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 12:30:00 | 51 | 11075.0 | 1387.5 | 259.38 | -1128.12 | 10.19 | 0.00 | -2.629 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 12:45:00 | 52 | 11075.0 | 1282.5 | 206.25 | -1076.25 | 9.72 | 0.00 | -2.629 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 13:00:00 | 53 | 11075.0 | 1335.0 | 187.5 | -1147.5 | 10.36 | 0.00 | 0.000 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 13:15:00 | 54 | 11075.0 | 1450.0 | 153.12 | -1296.88 | 11.71 | 0.00 | -2.103 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 13:30:00 | 55 | 11075.0 | 1455.0 | 96.88 | -1358.12 | 12.26 | 0.00 | 2.629 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 13:45:00 | 56 | 11075.0 | 1390.0 | 93.75 | -1296.25 | 11.7 | 0.00 | 2.103 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 14:00:00 | 57 | 11075.0 | 1277.5 | 87.5 | -1190.0 | 10.74 | 0.00 | 1.051 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 14:15:00 | 58 | 11075.0 | 1330.0 | 87.5 | -1242.5 | 11.22 | 0.00 | 3.300 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 14:30:00 | 59 | 11075.0 | 1305.0 | 137.5 | -1167.5 | 10.54 | 0.00 | -3.636 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 14:45:00 | 60 | 11075.0 | 1290.0 | 159.38 | -1130.62 | 10.21 | 0.00 | 4.979 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 15:00:00 | 61 | 11075.0 | 1355.0 | 193.75 | -1161.25 | 10.49 | 0.00 | -2.964 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 15:15:00 | 62 | 11075.0 | 1482.5 | 206.25 | -1276.25 | 11.52 | 0.00 | -5.314 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 15:30:00 | 63 | 11075.0 | 1325.0 | 246.88 | -1078.12 | 9.73 | 0.00 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kaledhone 132kV | 11/01/2020 15:45:00 | 64 | 11075.0 | 1422.5 | 206.25 | -1216.25 | 10.98 | 0.00 | 4.643 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 16:00:00 | 65 | 11075.0 | 1370.0 | 287.5 | -1082.5 | 9.77 | 0.00 | 2.103 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 16:15:00 | 66 | 11075.0 | 1362.5 | 231.25 | -1131.25 | 10.21 | 0.00 | -2.964 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 16:30:00 | 67 | 11075.0 | 1330.0 | 140.62 | -1189.38 | 10.74 | 0.00 | -2.103 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 16:45:00 | 68 | 11075.0 | 1212.5 | 228.12 | -984.38 | 8.89 | 0.00 | 3.972 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 17:00:00 | 69 | 11075.0 | 1270.0 | 250.0 | -1020.0 | 9.21 | 0.00 | -1.577 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 17:15:00 | 70 | 11075.0 | 1242.5 | 162.5 | -1080.0 | 9.75 | 0.00 | -1.577 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 17:30:00 | 71 | 11075.0 | 1217.5 | 315.62 | -901.88 | 8.14 | 0.00 | 1.051 | 11.507398 |
| Kaledhone 132kV | 11/01/2020 17:45:00 | 72 | 11075.0 | 1285.0 | 356.25 | -928.75 | 8.39 | 0.00 | -2.103 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 18:00:00 | 73 | 11075.0 | 1407.5 | 381.25 | -1026.25 | 9.27 | 0.00 | -2.964 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 18:15:00 | 74 | 11075.0 | 1382.5 | 481.25 | -901.25 | 8.14 | 0.00 | -2.629 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 18:30:00 | 75 | 11075.0 | 1395.0 | 587.5 | -807.5 | 7.29 | 0.00 | 2.103 | 28.385639 |
| Kaledhone 132kV | 11/01/2020 18:45:00 | 76 | 11075.0 | 1220.0 | 556.25 | -663.75 | 5.99 | 0.00 | 0.526 | 68.317690 |
| Kaledhone 132kV | 11/01/2020 19:00:00 | 77 | 11075.0 | 1287.5 | 653.12 | -634.38 | 5.73 | 0.00 | 2.103 | 259.332360 |
| Kaledhone 132kV | 11/01/2020 19:15:00 | 78 | 11075.0 | 1410.0 | 687.5 | -722.5 | 6.52 | 0.00 | -1.052 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 19:30:00 | 79 | 11075.0 | 1285.0 | 671.88 | -613.12 | 5.54 | 0.00 | 2.964 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 19:45:00 | 80 | 11075.0 | 1407.5 | 618.75 | -788.75 | 7.12 | 0.00 | 2.629 | 586.701351 |
| Kaledhone 132kV | 11/01/2020 20:00:00 | 81 | 11075.0 | 1382.5 | 600.0 | -782.5 | 7.07 | 0.00 | 2.629 | 127.258533 |
| Kaledhone 132kV | 11/01/2020 20:15:00 | 82 | 11075.0 | 1002.5 | 593.75 | -408.75 | 3.69 | 0.00 | 4.307 | 219.202535 |
| Kaledhone 132kV | 11/01/2020 20:30:00 | 83 | 11075.0 | 1012.5 | 625.0 | -387.5 | 3.5 | 0.00 | 2.964 | 532.816747 |
| Kaledhone 132kV | 11/01/2020 20:45:00 | 84 | 11075.0 | 1012.5 | 615.62 | -396.88 | 3.58 | 0.00 | 2.629 | 468.438602 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kaledhone 132kV | 11/01/2020 21:00:00 | 85 | 11075.0 | 1072.5 | 581.25 | -491.25 | 4.44 | 0.00 | 3.636 | 105.308286 |
| Kaledhone 132kV | 11/01/2020 21:15:00 | 86 | 11075.0 | 1310.0 | 571.88 | -738.12 | 6.66 | 0.00 | -1.577 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 21:30:00 | 87 | 11075.0 | 1285.0 | 562.5 | -722.5 | 6.52 | 0.00 | -1.577 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 21:45:00 | 88 | 11075.0 | 1280.0 | 603.12 | -676.88 | 6.11 | 0.00 | -1.052 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 22:00:00 | 89 | 11075.0 | 1260.0 | 596.88 | -663.12 | 5.99 | 0.00 | -5.650 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 22:15:00 | 90 | 11075.0 | 1250.0 | 537.5 | -712.5 | 6.43 | 0.00 | -5.650 | 0.000000 |
| Kaledhone 132kV | 11/01/2020 22:30:00 | 91 | 11075.0 | 1265.0 | 600.0 | -665.0 | 6.0 | 0.00 | 4.979 | 320.634116 |
| Kaledhone 132kV | 11/01/2020 22:45:00 | 92 | 11075.0 | 1287.5 | 571.88 | -715.62 | 6.46 | 0.00 | 2.964 | 449.397101 |
| Kaledhone 132kV | 11/01/2020 23:00:00 | 93 | 11075.0 | 1312.5 | 503.12 | -809.38 | 7.31 | 0.00 | 1.577 | 126.560935 |
| Kaledhone 132kV | 11/01/2020 23:15:00 | 94 | 11075.0 | 1332.5 | 409.38 | -923.12 | 8.34 | 0.00 | 1.074 | 118.066773 |
| Kaledhone 132kV | 11/01/2020 23:30:00 | 95 | 11075.0 | 1345.0 | 406.25 | -938.75 | 8.48 | 0.00 | 2.113 | 541.178472 |
| Kaledhone 132kV | 11/01/2020 23:45:00 | 96 | 11075.0 | 1367.5 | 337.5 | -1030.0 | 9.3 | 0.00 | 2.162 | 765.500529 |
| Kaledhone 132kV | 12/01/2020 00:00:00 | 1 | 11075.0 | 1635.0 | 281.25 | -1353.75 | 12.22 | 0.00 | 3.022 | 832.648117 |
| Kaledhone 132kV | 12/01/2020 00:15:00 | 2 | 11075.0 | 1650.0 | 234.38 | -1415.62 | 12.78 | 0.00 | -2.152 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 00:30:00 | 3 | 11075.0 | 1522.5 | 206.25 | -1316.25 | 11.88 | 0.00 | -2.152 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 00:45:00 | 4 | 11075.0 | 1505.0 | 250.0 | -1255.0 | 11.33 | 0.00 | -3.022 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 01:00:00 | 5 | 11075.0 | 1380.0 | 278.12 | -1101.88 | 9.95 | 0.00 | -0.629 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 01:15:00 | 6 | 11075.0 | 1365.0 | 321.88 | -1043.12 | 9.42 | 0.00 | -3.317 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 01:30:00 | 7 | 11075.0 | 1335.0 | 390.62 | -944.38 | 8.53 | 0.00 | -3.354 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 01:45:00 | 8 | 11075.0 | 1410.0 | 690.62 | -719.38 | 6.5 | 0.00 | -3.022 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 02:00:00 | 9 | 11075.0 | 1522.5 | 812.5 | -710.0 | 6.41 | 0.00 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kaledhone 132kV | 12/01/2020 02:15:00 | 10 | 11075.0 | 1492.5 | 1021.88 | -470.62 | 4.25 | 0.00 | -3.022 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 02:30:00 | 11 | 11075.0 | 1460.0 | 1334.38 | -125.62 | 1.13 | 0.00 | -2.690 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 02:45:00 | 12 | 11075.0 | 2267.5 | 1118.75 | -1148.75 | 10.37 | 0.00 | -3.022 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 03:00:00 | 13 | 11075.0 | 2260.0 | 946.88 | -1313.12 | 11.86 | 0.00 | 3.354 | 621.745290 |
| Kaledhone 132kV | 12/01/2020 03:15:00 | 14 | 11075.0 | 2190.0 | 875.0 | -1315.0 | 11.87 | 0.00 | 3.022 | 763.574441 |
| Kaledhone 132kV | 12/01/2020 03:30:00 | 15 | 11075.0 | 2162.5 | 818.75 | -1343.75 | 12.13 | 0.00 | 3.354 | 289.402907 |
| Kaledhone 132kV | 12/01/2020 03:45:00 | 16 | 11075.0 | 1967.5 | 890.62 | -1076.88 | 9.72 | 0.00 | 2.152 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 04:00:00 | 17 | 11075.0 | 1965.0 | 1250.0 | -715.0 | 6.46 | 0.00 | -2.152 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 04:15:00 | 18 | 11075.0 | 1972.5 | 1418.75 | -553.75 | 5.0 | 0.00 | -3.022 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 04:30:00 | 19 | 11075.0 | 1985.0 | 1431.25 | -553.75 | 5.0 | 0.00 | 1.076 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 04:45:00 | 20 | 11075.0 | 2010.0 | 1384.38 | -625.62 | 5.65 | 0.00 | -3.022 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 05:00:00 | 21 | 11075.0 | 2002.5 | 1496.88 | -505.62 | 4.57 | 0.00 | 3.686 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 05:15:00 | 22 | 11075.0 | 1990.0 | 1312.5 | -677.5 | 6.12 | 0.00 | 3.686 | 747.465818 |
| Kaledhone 132kV | 12/01/2020 05:30:00 | 23 | 11075.0 | 2007.5 | 1396.88 | -610.62 | 5.51 | 0.00 | -1.614 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 05:45:00 | 24 | 11075.0 | 1665.0 | 1284.38 | -380.62 | 3.44 | 0.00 | -0.496 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 06:00:00 | 25 | 11075.0 | 1562.5 | 1131.25 | -431.25 | 3.89 | 0.00 | 0.000 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 06:15:00 | 26 | 11075.0 | 1445.0 | 1118.75 | -326.25 | 2.95 | 0.00 | -0.430 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 06:30:00 | 27 | 11075.0 | 1455.0 | 1018.75 | -436.25 | 3.94 | 0.00 | -2.152 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 06:45:00 | 28 | 11075.0 | 1397.5 | 918.75 | -478.75 | 4.32 | 0.00 | 4.681 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 07:00:00 | 29 | 11075.0 | 1277.5 | 1015.62 | -261.88 | 2.36 | 0.00 | 1.614 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 07:15:00 | 30 | 11075.0 | 1465.0 | 1068.75 | -396.25 | 3.58 | 0.00 | 3.838 | 327.958852 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kaledhone 132kV | 12/01/2020 07:30:00 | 31 | 11075.0 | 1330.0 | 1321.88 | -8.12 | 0.07 | 0.00 | 3.022 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 07:45:00 | 32 | 11075.0 | 1307.5 | 1537.5 | 230.0 | 2.08 | 0.00 | 2.690 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 08:00:00 | 33 | 11075.0 | 1285.0 | 1581.25 | 296.25 | 2.67 | 0.00 | -2.690 | -158.260621 |
| Kaledhone 132kV | 12/01/2020 08:15:00 | 34 | 11075.0 | 1350.0 | 1543.75 | 193.75 | 1.75 | 0.00 | -4.018 | -95.423373 |
| Kaledhone 132kV | 12/01/2020 08:30:00 | 35 | 11075.0 | 1472.5 | 1612.5 | 140.0 | 1.26 | 0.00 | -2.690 | -6.649202 |
| Kaledhone 132kV | 12/01/2020 08:45:00 | 36 | 11075.0 | 1450.0 | 1512.5 | 62.5 | 0.56 | 0.00 | 3.022 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 09:00:00 | 37 | 11075.0 | 1460.0 | 1450.0 | -10.0 | 0.09 | 0.00 | -3.354 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 09:15:00 | 38 | 11075.0 | 1397.5 | 1396.88 | -0.62 | 0.01 | 0.00 | -4.350 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 09:30:00 | 39 | 11075.0 | 1272.5 | 1428.12 | 155.62 | 1.41 | 0.00 | 2.152 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 09:45:00 | 40 | 11075.0 | 1340.0 | 1259.38 | -80.62 | 0.73 | 0.00 | -2.690 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 10:00:00 | 41 | 11075.0 | 1445.0 | 1175.0 | -270.0 | 2.44 | 0.00 | -3.354 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 10:15:00 | 42 | 11075.0 | 1465.0 | 1165.62 | -299.38 | 2.7 | 0.00 | -3.686 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 10:30:00 | 43 | 11075.0 | 1387.5 | 1465.62 | 78.12 | 0.71 | 0.00 | -1.614 | -2.624472 |
| Kaledhone 132kV | 12/01/2020 10:45:00 | 44 | 11075.0 | 1275.0 | 1628.12 | 353.12 | 3.19 | 0.00 | 3.686 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 11:00:00 | 45 | 11075.0 | 1335.0 | 1453.12 | 118.12 | 1.07 | 0.00 | -3.354 | -17.580748 |
| Kaledhone 132kV | 12/01/2020 11:15:00 | 46 | 11075.0 | 1305.0 | 1325.0 | 20.0 | 0.18 | 0.00 | -5.450 | -8.806182 |
| Kaledhone 132kV | 12/01/2020 11:30:00 | 47 | 11075.0 | 1280.0 | 1265.62 | -14.38 | 0.13 | 0.00 | -6.009 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 11:45:00 | 48 | 11075.0 | 1360.0 | 1271.88 | -88.12 | 0.8 | 0.00 | 2.690 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 12:00:00 | 49 | 11075.0 | 1477.5 | 1171.88 | -305.62 | 2.76 | 0.00 | 3.686 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 12:15:00 | 50 | 11075.0 | 1360.0 | 878.12 | -481.88 | 4.35 | 0.00 | -5.345 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 12:30:00 | 51 | 11075.0 | 1472.5 | 681.25 | -791.25 | 7.14 | 0.00 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kaledhone 132kV | 12/01/2020 12:45:00 | 52 | 11075.0 | 1450.0 | 537.5 | -912.5 | 8.24 | 0.00 | -5.345 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 13:00:00 | 53 | 11075.0 | 1460.0 | 518.75 | -941.25 | 8.5 | 0.00 | -3.999 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 13:15:00 | 54 | 11075.0 | 1397.5 | 559.38 | -838.12 | 7.57 | 0.00 | -4.350 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 13:30:00 | 55 | 11075.0 | 1272.5 | 581.25 | -691.25 | 6.24 | 0.00 | -1.076 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 13:45:00 | 56 | 11075.0 | 1457.5 | 540.62 | -916.88 | 8.28 | 0.00 | -2.690 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 14:00:00 | 57 | 11075.0 | 1335.0 | 571.88 | -763.12 | 6.89 | 0.00 | -0.538 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 14:15:00 | 58 | 11075.0 | 1305.0 | 537.5 | -767.5 | 6.93 | 0.00 | -2.152 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 14:30:00 | 59 | 11075.0 | 1280.0 | 496.88 | -783.12 | 7.07 | 0.00 | -2.690 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 14:45:00 | 60 | 11075.0 | 1360.0 | 512.5 | -847.5 | 7.65 | 0.00 | -1.076 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 15:00:00 | 61 | 11075.0 | 1477.5 | 490.62 | -986.88 | 8.91 | 0.00 | 0.000 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 15:15:00 | 62 | 11075.0 | 1450.0 | 365.62 | -1084.38 | 9.79 | 0.00 | -2.690 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 15:30:00 | 63 | 11075.0 | 1460.0 | 387.5 | -1072.5 | 9.68 | 0.00 | -3.022 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 15:45:00 | 64 | 11075.0 | 1397.5 | 225.0 | -1172.5 | 10.59 | 0.00 | -3.686 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 16:00:00 | 65 | 11075.0 | 1272.5 | 234.38 | -1038.12 | 9.37 | 0.00 | -3.737 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 16:15:00 | 66 | 11075.0 | 1332.5 | 221.88 | -1110.62 | 10.03 | 0.00 | -5.786 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 16:30:00 | 67 | 11075.0 | 1445.0 | 225.0 | -1220.0 | 11.02 | 0.00 | -4.350 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 16:45:00 | 68 | 11075.0 | 1455.0 | 171.88 | -1283.12 | 11.59 | 0.00 | -1.614 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 17:00:00 | 69 | 11075.0 | 1397.5 | 131.25 | -1266.25 | 11.43 | 0.00 | 0.000 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 17:15:00 | 70 | 11075.0 | 1277.5 | 146.88 | -1130.62 | 10.21 | 0.00 | 2.690 | 293.117494 |
| Kaledhone 132kV | 12/01/2020 17:30:00 | 71 | 11075.0 | 1340.0 | 153.12 | -1186.88 | 10.72 | 0.00 | -3.022 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 17:45:00 | 72 | 11075.0 | 1305.0 | 168.75 | -1136.25 | 10.26 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kaledhone 132kV | 12/01/2020 18:00:00 | 73 | 11075.0 | 1587.5 | 71.88 | -1515.62 | 13.69 | 0.00 | -0.538 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 18:15:00 | 74 | 11075.0 | 1602.5 | 84.38 | -1518.12 | 13.71 | 0.00 | -4.350 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 18:30:00 | 75 | 11075.0 | 1467.5 | 87.5 | -1380.0 | 12.46 | 0.00 | 2.690 | 237.311892 |
| Kaledhone 132kV | 12/01/2020 18:45:00 | 76 | 11075.0 | 1455.0 | 128.12 | -1326.88 | 11.98 | 0.00 | 3.022 | 1470.005609 |
| Kaledhone 132kV | 12/01/2020 19:00:00 | 77 | 11075.0 | 1340.0 | 159.38 | -1180.62 | 10.66 | 0.00 | 3.686 | 420.131918 |
| Kaledhone 132kV | 12/01/2020 19:15:00 | 78 | 11075.0 | 1310.0 | 184.38 | -1125.62 | 10.16 | 0.00 | 2.690 | 23.776534 |
| Kaledhone 132kV | 12/01/2020 19:30:00 | 79 | 11075.0 | 1290.0 | 228.12 | -1061.88 | 9.59 | 0.00 | -3.022 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 19:45:00 | 80 | 11075.0 | 1350.0 | 290.62 | -1059.38 | 9.57 | 0.00 | -1.781 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 20:00:00 | 81 | 11075.0 | 1477.5 | 387.5 | -1090.0 | 9.84 | 0.00 | -3.021 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 20:15:00 | 82 | 11075.0 | 1450.0 | 484.38 | -965.62 | 8.72 | 0.00 | -4.018 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 20:30:00 | 83 | 11075.0 | 1455.0 | 518.75 | -936.25 | 8.45 | 0.00 | -3.354 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 20:45:00 | 84 | 11075.0 | 1390.0 | 546.88 | -843.12 | 7.61 | 0.00 | -1.614 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 21:00:00 | 85 | 11075.0 | 1277.5 | 503.12 | -774.38 | 6.99 | 0.00 | -4.350 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 21:15:00 | 86 | 11075.0 | 1330.0 | 450.0 | -880.0 | 7.95 | 0.00 | -3.686 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 21:30:00 | 87 | 11075.0 | 1450.0 | 409.38 | -1040.62 | 9.4 | 0.00 | -1.614 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 21:45:00 | 88 | 11075.0 | 1460.0 | 328.12 | -1131.88 | 10.22 | 0.00 | 0.000 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 22:00:00 | 89 | 11075.0 | 1397.5 | 265.62 | -1131.88 | 10.22 | 0.00 | -3.354 | 0.000000 |
| Kaledhone 132kV | 12/01/2020 22:15:00 | 90 | 11075.0 | 1272.5 | 190.62 | -1081.88 | 9.77 | 0.00 | 4.350 | 1320.922179 |
| Kaledhone 132kV | 12/01/2020 22:30:00 | 91 | 11075.0 | 1332.5 | 81.25 | -1251.25 | 11.3 | 0.00 | 5.215 | 2881.174104 |
| Kaledhone 132kV | 12/01/2020 22:45:00 | 92 | 11075.0 | 1310.0 | 28.12 | -1281.88 | 11.57 | 0.00 | 3.022 | 288.948158 |
| Kaledhone 132kV | 12/01/2020 23:00:00 | 93 | 11075.0 | 1280.0 | 3.12 | -1276.88 | 11.53 | 0.00 | 3.022 | 630.424515 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kaledhone 132kV | 12/01/2020 23:15:00 | 94 | 11075.0 | 1350.0 | 0.0 | -1350.0 | 12.19 | 0.00 | 2.152 | 663.670291 |
| Kaledhone 132kV | 12/01/2020 23:30:00 | 95 | 11075.0 | 1482.5 | 0.0 | -1482.5 | 13.39 | 0.00 | 2.152 | 419.397854 |
| Kaledhone 132kV | 12/01/2020 23:45:00 | 96 | 11075.0 | 1355.0 | 0.0 | -1355.0 | 12.23 | 0.00 | 2.152 | 440.440892 |
| Kedgaon 132kV | 06/01/2020 00:00:00 | 1 | 3700.0 | 592.5 | 996.88 | 404.38 | 10.93 | 0.00 | 2.903 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 00:15:00 | 2 | 3700.0 | 523.25 | 967.97 | 444.72 | 12.02 | 0.00 | 0.000 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 00:30:00 | 3 | 3700.0 | 459.25 | 965.62 | 506.37 | 13.69 | 0.00 | 0.000 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 00:45:00 | 4 | 3700.0 | 406.25 | 905.47 | 499.22 | 13.49 | 0.00 | -0.984 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 01:00:00 | 5 | 3700.0 | 357.0 | 989.06 | 632.06 | 17.08 | 38.53 | -3.541 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 01:15:00 | 6 | 3700.0 | 311.0 | 1094.53 | 783.53 | 21.18 | 114.27 | 3.222 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 01:30:00 | 7 | 3700.0 | 268.5 | 1235.94 | 967.44 | 26.15 | 227.44 | 3.541 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 01:45:00 | 8 | 3700.0 | 266.25 | 1259.38 | 993.13 | 26.84 | 253.13 | 2.352 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 02:00:00 | 9 | 3700.0 | 264.0 | 1245.31 | 981.31 | 26.52 | 241.31 | 1.747 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 02:15:00 | 10 | 3700.0 | 261.5 | 1204.69 | 943.19 | 25.49 | 203.19 | 0.581 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 02:30:00 | 11 | 3700.0 | 259.25 | 851.56 | 592.31 | 16.01 | 18.66 | -2.323 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 02:45:00 | 12 | 3700.0 | 270.0 | 781.25 | 511.25 | 13.82 | 0.00 | 2.323 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 03:00:00 | 13 | 3700.0 | 281.0 | 818.75 | 537.75 | 14.53 | 0.00 | 2.323 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 03:15:00 | 14 | 3700.0 | 292.5 | 605.47 | 312.97 | 8.46 | 0.00 | -1.742 | -9.425198 |
| Kedgaon 132kV | 06/01/2020 03:30:00 | 15 | 3700.0 | 304.0 | 729.69 | 425.69 | 11.51 | 0.00 | 3.222 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 03:45:00 | 16 | 3700.0 | 336.25 | 964.06 | 627.81 | 16.97 | 36.41 | 3.541 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 04:00:00 | 17 | 3700.0 | 370.25 | 937.5 | 567.25 | 15.33 | 6.13 | 4.496 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 04:15:00 | 18 | 3700.0 | 406.25 | 930.47 | 524.22 | 14.17 | 0.00 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kedgaon 132kV | 06/01/2020 04:30:00 | 19 | 3700.0 | 444.0 | 968.75 | 524.75 | 14.18 | 0.00 | 3.859 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 04:45:00 | 20 | 3700.0 | 447.25 | 1139.84 | 692.59 | 18.72 | 68.80 | 4.815 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 05:00:00 | 21 | 3700.0 | 450.25 | 1402.34 | 952.09 | 25.73 | 212.09 | 3.859 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 05:15:00 | 22 | 3700.0 | 453.5 | 1528.91 | 1075.41 | 29.07 | 335.41 | 6.407 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 05:30:00 | 23 | 3700.0 | 456.75 | 1721.09 | 1264.34 | 34.17 | 524.34 | 6.496 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 05:45:00 | 24 | 3700.0 | 470.0 | 1817.19 | 1347.19 | 36.41 | 633.29 | 7.492 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 06:00:00 | 25 | 3700.0 | 483.75 | 1750.0 | 1266.25 | 34.22 | 526.25 | -5.452 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 06:15:00 | 26 | 3700.0 | 497.75 | 1354.69 | 856.94 | 23.16 | 150.97 | -6.089 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 06:30:00 | 27 | 3700.0 | 511.75 | 1283.59 | 771.84 | 20.86 | 108.42 | -7.044 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 06:45:00 | 28 | 3700.0 | 509.0 | 1100.0 | 591.0 | 15.97 | 18.00 | 7.682 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 07:00:00 | 29 | 3700.0 | 506.25 | 905.47 | 399.22 | 10.79 | 0.00 | -3.859 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 07:15:00 | 30 | 3700.0 | 503.75 | 919.53 | 415.78 | 11.24 | 0.00 | 4.815 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 07:30:00 | 31 | 3700.0 | 522.75 | 848.44 | 325.69 | 8.8 | 0.00 | 4.178 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 07:45:00 | 32 | 3700.0 | 520.5 | 801.56 | 281.06 | 7.6 | 0.00 | -3.540 | -124.334273 |
| Kedgaon 132kV | 06/01/2020 08:00:00 | 33 | 3700.0 | 518.5 | 660.94 | 142.44 | 3.85 | 0.00 | -3.859 | -37.508065 |
| Kedgaon 132kV | 06/01/2020 08:15:00 | 34 | 3700.0 | 516.5 | 656.25 | 139.75 | 3.78 | 0.00 | -5.452 | -12.007377 |
| Kedgaon 132kV | 06/01/2020 08:30:00 | 35 | 3700.0 | 514.5 | 856.25 | 341.75 | 9.24 | 0.00 | 4.178 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 08:45:00 | 36 | 3700.0 | 544.25 | 1069.53 | 525.28 | 14.2 | 0.00 | -3.859 | -53.223538 |
| Kedgaon 132kV | 06/01/2020 09:00:00 | 37 | 3700.0 | 575.0 | 987.5 | 412.5 | 11.15 | 0.00 | -6.407 | -129.255614 |
| Kedgaon 132kV | 06/01/2020 09:15:00 | 38 | 3700.0 | 606.5 | 1292.19 | 685.69 | 18.53 | 65.35 | -8.000 | -109.020995 |
| Kedgaon 132kV | 06/01/2020 09:30:00 | 39 | 3700.0 | 639.25 | 1276.56 | 637.31 | 17.22 | 41.16 | -5.770 | -43.867035 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kedgaon 132kV | 06/01/2020 09:45:00 | 40 | 3700.0 | 684.25 | 1264.84 | 580.59 | 15.69 | 12.80 | 3.222 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 10:00:00 | 41 | 3700.0 | 731.0 | 1084.38 | 353.38 | 9.55 | 0.00 | -2.903 | -48.217812 |
| Kedgaon 132kV | 06/01/2020 10:15:00 | 42 | 3700.0 | 779.5 | 781.25 | 1.75 | 0.05 | 0.00 | -3.222 | -0.049201 |
| Kedgaon 132kV | 06/01/2020 10:30:00 | 43 | 3700.0 | 830.0 | 622.66 | -207.34 | 5.6 | 0.00 | 4.815 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 10:45:00 | 44 | 3700.0 | 792.75 | 589.84 | -202.91 | 5.48 | 0.00 | 4.496 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 11:00:00 | 45 | 3700.0 | 756.25 | 500.0 | -256.25 | 6.93 | 0.00 | 16.000 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 11:15:00 | 46 | 3700.0 | 721.0 | 466.41 | -254.59 | 6.88 | 0.00 | 5.133 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 11:30:00 | 47 | 3700.0 | 686.5 | 783.59 | 97.09 | 2.62 | 0.00 | 1.182 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 11:45:00 | 48 | 3700.0 | 637.75 | 884.38 | 246.63 | 6.67 | 0.00 | 6.308 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 12:00:00 | 49 | 3700.0 | 591.0 | 962.5 | 371.5 | 10.04 | 0.00 | 6.598 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 12:15:00 | 50 | 3700.0 | 546.25 | 1206.25 | 660.0 | 17.84 | 52.50 | 5.431 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 12:30:00 | 51 | 3700.0 | 503.75 | 1105.47 | 601.72 | 16.26 | 23.36 | 3.540 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 12:45:00 | 52 | 3700.0 | 479.75 | 819.53 | 339.78 | 9.18 | 0.00 | -2.903 | -5.452509 |
| Kedgaon 132kV | 06/01/2020 13:00:00 | 53 | 3700.0 | 456.75 | 707.03 | 250.28 | 6.76 | 0.00 | -1.161 | -8.281244 |
| Kedgaon 132kV | 06/01/2020 13:15:00 | 54 | 3700.0 | 434.0 | 804.69 | 370.69 | 10.02 | 0.00 | 3.859 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 13:30:00 | 55 | 3700.0 | 412.25 | 599.22 | 186.97 | 5.05 | 0.00 | -6.407 | -4.314122 |
| Kedgaon 132kV | 06/01/2020 13:45:00 | 56 | 3700.0 | 394.5 | 554.69 | 160.19 | 4.33 | 0.00 | 5.452 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 14:00:00 | 57 | 3700.0 | 377.25 | 596.88 | 219.63 | 5.94 | 0.00 | 5.452 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 14:15:00 | 58 | 3700.0 | 360.25 | 480.47 | 120.22 | 3.25 | 0.00 | 16.000 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 14:30:00 | 59 | 3700.0 | 343.75 | 505.47 | 161.72 | 4.37 | 0.00 | 6.035 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 14:45:00 | 60 | 3700.0 | 286.0 | 640.62 | 354.62 | 9.58 | 0.00 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kedgaon 132kV | 06/01/2020 15:00:00 | 61 | 3700.0 | 233.75 | 609.38 | 375.63 | 10.15 | 0.00 | 3.367 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 15:15:00 | 62 | 3700.0 | 187.25 | 547.66 | 360.41 | 9.74 | 0.00 | 3.904 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 15:30:00 | 63 | 3700.0 | 145.75 | 535.16 | 389.41 | 10.52 | 0.00 | 4.482 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 15:45:00 | 64 | 3700.0 | 121.75 | 447.66 | 325.91 | 8.81 | 0.00 | 4.225 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 16:00:00 | 65 | 3700.0 | 99.75 | 467.97 | 368.22 | 9.95 | 0.00 | 2.895 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 16:15:00 | 66 | 3700.0 | 80.0 | 386.72 | 306.72 | 8.29 | 0.00 | 6.089 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 16:30:00 | 67 | 3700.0 | 62.5 | 429.69 | 367.19 | 9.92 | 0.00 | -8.000 | -389.414033 |
| Kedgaon 132kV | 06/01/2020 16:45:00 | 68 | 3700.0 | 53.75 | 449.22 | 395.47 | 10.69 | 0.00 | -4.178 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 17:00:00 | 69 | 3700.0 | 45.5 | 460.16 | 414.66 | 11.21 | 0.00 | 1.742 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 17:15:00 | 70 | 3700.0 | 38.0 | 417.19 | 379.19 | 10.25 | 0.00 | 2.903 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 17:30:00 | 71 | 3700.0 | 31.0 | 266.41 | 235.41 | 6.36 | 0.00 | -4.178 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 17:45:00 | 72 | 3700.0 | 34.25 | 189.84 | 155.59 | 4.21 | 0.00 | -2.323 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 18:00:00 | 73 | 3700.0 | 37.75 | 155.47 | 117.72 | 3.18 | 0.00 | -2.903 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 18:15:00 | 74 | 3700.0 | 41.0 | 125.78 | 84.78 | 2.29 | 0.00 | 1.161 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 18:30:00 | 75 | 3700.0 | 44.75 | 144.53 | 99.78 | 2.7 | 0.00 | 2.903 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 18:45:00 | 76 | 3700.0 | 42.25 | 75.78 | 33.53 | 0.91 | 0.00 | 2.903 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 19:00:00 | 77 | 3700.0 | 39.75 | 46.88 | 7.13 | 0.19 | 0.00 | -1.161 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 19:15:00 | 78 | 3700.0 | 37.5 | 0.78 | -36.72 | 0.99 | 0.00 | -4.178 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 19:30:00 | 79 | 3700.0 | 2.5 | 0.0 | -2.5 | 0.07 | 0.00 | -2.323 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 19:45:00 | 80 | 3700.0 | 2.5 | 0.0 | -2.5 | 0.07 | 0.00 | -4.178 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 20:00:00 | 81 | 3700.0 | 2.5 | 0.78 | -1.72 | 0.05 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kedgaon 132kV | 06/01/2020 20:15:00 | 82 | 3700.0 | 2.5 | 0.0 | -2.5 | 0.07 | 0.00 | -5.770 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 20:30:00 | 83 | 3700.0 | 2.5 | 0.78 | -1.72 | 0.05 | 0.00 | 5.770 | 0.234358 |
| Kedgaon 132kV | 06/01/2020 20:45:00 | 84 | 3700.0 | 2.5 | 25.78 | 23.28 | 0.63 | 0.00 | 4.178 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 21:00:00 | 85 | 3700.0 | 2.5 | 21.09 | 18.59 | 0.5 | 0.00 | 3.222 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 21:15:00 | 86 | 3700.0 | 2.5 | 26.56 | 24.06 | 0.65 | 0.00 | -1.742 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 21:30:00 | 87 | 3700.0 | 2.5 | 53.91 | 51.41 | 1.39 | 0.00 | 0.000 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 21:45:00 | 88 | 3700.0 | 2.5 | 7.81 | 5.31 | 0.14 | 0.00 | 1.161 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 22:00:00 | 89 | 3700.0 | 2.5 | 1.56 | -0.94 | 0.03 | 0.00 | 4.815 | 0.550373 |
| Kedgaon 132kV | 06/01/2020 22:15:00 | 90 | 3700.0 | 1.0 | 0.0 | -1.0 | 0.03 | 0.00 | 3.859 | 0.604073 |
| Kedgaon 132kV | 06/01/2020 22:30:00 | 91 | 3700.0 | 6.5 | 0.0 | -6.5 | 0.18 | 0.00 | 1.742 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 22:45:00 | 92 | 3700.0 | 18.5 | 0.0 | -18.5 | 0.5 | 0.00 | -2.323 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 23:00:00 | 93 | 3700.0 | 34.75 | 0.0 | -34.75 | 0.94 | 0.00 | -2.903 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 23:15:00 | 94 | 3700.0 | 55.5 | 0.0 | -55.5 | 1.5 | 0.00 | 2.323 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 23:30:00 | 95 | 3700.0 | 80.75 | 0.0 | -80.75 | 2.18 | 0.00 | -3.222 | 0.000000 |
| Kedgaon 132kV | 06/01/2020 23:45:00 | 96 | 3700.0 | 70.75 | 0.0 | -70.75 | 1.91 | 0.00 | 2.323 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 00:00:00 | 1 | 3700.0 | 61.5 | 0.0 | -61.5 | 1.66 | 0.00 | -0.549 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 00:15:00 | 2 | 3700.0 | 52.75 | 0.0 | -52.75 | 1.43 | 0.00 | -1.647 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 00:30:00 | 3 | 3700.0 | 44.75 | 0.0 | -44.75 | 1.21 | 0.00 | -3.073 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 00:45:00 | 4 | 3700.0 | 26.75 | 0.78 | -25.97 | 0.7 | 0.00 | -2.744 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 01:00:00 | 5 | 3700.0 | 13.0 | 215.62 | 202.62 | 5.48 | 0.00 | -4.058 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 01:15:00 | 6 | 3700.0 | 2.75 | 447.66 | 444.91 | 12.02 | 0.00 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kedgaon 132kV | 07/01/2020 01:30:00 | 7 | 3700.0 | 2.5 | 581.25 | 578.75 | 15.64 | 11.88 | -3.401 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 01:45:00 | 8 | 3700.0 | 2.5 | 832.81 | 830.31 | 22.44 | 137.66 | 3.730 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 02:00:00 | 9 | 3700.0 | 2.5 | 872.66 | 870.16 | 23.52 | 157.58 | 3.073 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 02:15:00 | 10 | 3700.0 | 2.5 | 809.38 | 806.88 | 21.81 | 125.94 | 3.073 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 02:30:00 | 11 | 3700.0 | 2.5 | 953.12 | 950.62 | 25.69 | 210.62 | 3.401 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 02:45:00 | 12 | 3700.0 | 2.5 | 805.47 | 802.97 | 21.7 | 123.99 | 2.745 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 03:00:00 | 13 | 3700.0 | 2.5 | 771.09 | 768.59 | 20.77 | 106.80 | 1.647 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 03:15:00 | 14 | 3700.0 | 2.5 | 785.94 | 783.44 | 21.17 | 114.22 | 2.196 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 03:30:00 | 15 | 3700.0 | 2.5 | 806.25 | 803.75 | 21.72 | 124.38 | 1.647 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 03:45:00 | 16 | 3700.0 | 2.5 | 825.78 | 823.28 | 22.25 | 134.14 | 1.098 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 04:00:00 | 17 | 3700.0 | 2.5 | 872.66 | 870.16 | 23.52 | 157.58 | 1.647 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 04:15:00 | 18 | 3700.0 | 2.5 | 932.03 | 929.53 | 25.12 | 189.53 | 2.210 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 04:30:00 | 19 | 3700.0 | 0.75 | 871.09 | 870.34 | 23.52 | 157.67 | 3.730 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 04:45:00 | 20 | 3700.0 | 13.0 | 853.12 | 840.12 | 22.71 | 142.56 | -1.098 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 05:00:00 | 21 | 3700.0 | 31.5 | 809.38 | 777.88 | 21.02 | 111.44 | -2.744 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 05:15:00 | 22 | 3700.0 | 56.5 | 853.91 | 797.41 | 21.55 | 121.21 | 3.730 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 05:30:00 | 23 | 3700.0 | 88.25 | 854.69 | 766.44 | 20.71 | 105.72 | 3.073 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 05:45:00 | 24 | 3700.0 | 115.25 | 808.59 | 693.34 | 18.74 | 69.17 | 3.730 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 06:00:00 | 25 | 3700.0 | 145.75 | 847.66 | 701.91 | 18.97 | 73.46 | -5.372 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 06:15:00 | 26 | 3700.0 | 180.25 | 980.47 | 800.22 | 21.63 | 122.61 | 4.556 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 06:30:00 | 27 | 3700.0 | 218.25 | 1175.78 | 957.53 | 25.88 | 217.53 | 7.148 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kedgaon 132kV | 07/01/2020 06:45:00 | 28 | 3700.0 | 239.25 | 857.03 | 617.78 | 16.7 | 31.39 | 7.821 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 07:00:00 | 29 | 3700.0 | 261.0 | 989.84 | 728.84 | 19.7 | 86.92 | 5.372 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 07:15:00 | 30 | 3700.0 | 284.0 | 938.28 | 654.28 | 17.68 | 49.64 | 16.000 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 07:30:00 | 31 | 3700.0 | 132.25 | 850.78 | 718.53 | 19.42 | 81.77 | 9.296 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 07:45:00 | 32 | 3700.0 | 141.75 | 970.31 | 828.56 | 22.39 | 136.78 | 9.794 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 08:00:00 | 33 | 3700.0 | 151.5 | 946.09 | 794.59 | 21.48 | 119.80 | 3.593 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 08:15:00 | 34 | 3700.0 | 161.5 | 950.78 | 789.28 | 21.33 | 117.14 | 3.401 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 08:30:00 | 35 | 3700.0 | 171.75 | 932.81 | 761.06 | 20.57 | 103.03 | 3.245 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 08:45:00 | 36 | 3700.0 | 186.0 | 1188.28 | 1002.28 | 27.09 | 262.28 | 0.000 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 09:00:00 | 37 | 3700.0 | 200.75 | 1260.94 | 1060.19 | 28.65 | 320.19 | 2.745 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 09:15:00 | 38 | 3700.0 | 216.0 | 1123.44 | 907.44 | 24.53 | 176.22 | 4.715 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 09:30:00 | 39 | 3700.0 | 232.0 | 829.69 | 597.69 | 16.15 | 21.35 | 3.981 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 09:45:00 | 40 | 3700.0 | 207.0 | 903.91 | 696.91 | 18.84 | 70.96 | 3.730 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 10:00:00 | 41 | 3700.0 | 183.25 | 1260.16 | 1076.91 | 29.11 | 336.91 | 1.780 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 10:15:00 | 42 | 3700.0 | 161.0 | 1103.12 | 942.12 | 25.46 | 202.12 | 5.643 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 10:30:00 | 43 | 3700.0 | 140.25 | 971.09 | 830.84 | 22.46 | 137.92 | 4.976 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 10:45:00 | 44 | 3700.0 | 131.25 | 676.56 | 545.31 | 14.74 | 0.00 | 4.415 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 11:00:00 | 45 | 3700.0 | 122.75 | 575.0 | 452.25 | 12.22 | 0.00 | 4.476 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 11:15:00 | 46 | 3700.0 | 114.25 | 853.91 | 739.66 | 19.99 | 92.33 | 4.826 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 11:30:00 | 47 | 3700.0 | 106.25 | 846.88 | 740.63 | 20.02 | 92.82 | 2.289 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 11:45:00 | 48 | 3700.0 | 101.0 | 985.94 | 884.94 | 23.92 | 164.97 | -0.549 | -11.104564 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kedgaon 132kV | 07/01/2020 12:00:00 | 49 | 3700.0 | 95.75 | 617.97 | 522.22 | 14.11 | 0.00 | 4.727 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 12:15:00 | 50 | 3700.0 | 90.75 | 525.0 | 434.25 | 11.74 | 0.00 | 4.777 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 12:30:00 | 51 | 3700.0 | 86.0 | 525.78 | 439.78 | 11.89 | 0.00 | 4.798 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 12:45:00 | 52 | 3700.0 | 58.5 | 624.22 | 565.72 | 15.29 | 5.36 | -3.401 | -11.575456 |
| Kedgaon 132kV | 07/01/2020 13:00:00 | 53 | 3700.0 | 36.25 | 494.53 | 458.28 | 12.39 | 0.00 | -2.431 | -205.149583 |
| Kedgaon 132kV | 07/01/2020 13:15:00 | 54 | 3700.0 | 18.75 | 448.44 | 429.69 | 11.61 | 0.00 | -4.387 | -87.445088 |
| Kedgaon 132kV | 07/01/2020 13:30:00 | 55 | 3700.0 | 6.0 | 529.69 | 523.69 | 14.15 | 0.00 | -3.401 | -154.821306 |
| Kedgaon 132kV | 07/01/2020 13:45:00 | 56 | 3700.0 | 4.25 | 586.72 | 582.47 | 15.74 | 13.74 | -5.044 | -24.255818 |
| Kedgaon 132kV | 07/01/2020 14:00:00 | 57 | 3700.0 | 2.5 | 630.47 | 627.97 | 16.97 | 36.49 | 4.215 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 14:15:00 | 58 | 3700.0 | 1.0 | 459.38 | 458.38 | 12.39 | 0.00 | 9.552 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 14:30:00 | 59 | 3700.0 | 2.5 | 432.81 | 430.31 | 11.63 | 0.00 | 6.358 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 14:45:00 | 60 | 3700.0 | 2.5 | 422.66 | 420.16 | 11.36 | 0.00 | 2.744 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 15:00:00 | 61 | 3700.0 | 2.5 | 465.62 | 463.12 | 12.52 | 0.00 | -3.073 | -74.390565 |
| Kedgaon 132kV | 07/01/2020 15:15:00 | 62 | 3700.0 | 2.5 | 435.16 | 432.66 | 11.69 | 0.00 | -4.058 | -78.430353 |
| Kedgaon 132kV | 07/01/2020 15:30:00 | 63 | 3700.0 | 2.5 | 283.59 | 281.09 | 7.6 | 0.00 | -4.831 | -192.897436 |
| Kedgaon 132kV | 07/01/2020 15:45:00 | 64 | 3700.0 | 1.0 | 238.28 | 237.28 | 6.41 | 0.00 | -5.372 | -27.690932 |
| Kedgaon 132kV | 07/01/2020 16:00:00 | 65 | 3700.0 | 3.0 | 25.0 | 22.0 | 0.59 | 0.00 | 2.196 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 16:15:00 | 66 | 3700.0 | 5.5 | 42.97 | 37.47 | 1.01 | 0.00 | -3.401 | -8.620663 |
| Kedgaon 132kV | 07/01/2020 16:30:00 | 67 | 3700.0 | 8.25 | 70.31 | 62.06 | 1.68 | 0.00 | 4.738 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 16:45:00 | 68 | 3700.0 | 8.25 | 284.38 | 276.13 | 7.46 | 0.00 | 7.343 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 17:00:00 | 69 | 3700.0 | 8.25 | 207.03 | 198.78 | 5.37 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kedgaon 132kV | 07/01/2020 17:15:00 | 70 | 3700.0 | 8.0 | 62.5 | 54.5 | 1.47 | 0.00 | 2.744 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 17:30:00 | 71 | 3700.0 | 8.0 | 10.94 | 2.94 | 0.08 | 0.00 | 3.401 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 17:45:00 | 72 | 3700.0 | 19.25 | 0.0 | -19.25 | 0.52 | 0.00 | -2.745 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 18:00:00 | 73 | 3700.0 | 34.25 | 0.78 | -33.47 | 0.9 | 0.00 | -3.073 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 18:15:00 | 74 | 3700.0 | 52.5 | 0.0 | -52.5 | 1.42 | 0.00 | -5.372 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 18:30:00 | 75 | 3700.0 | 74.75 | 0.0 | -74.75 | 2.02 | 0.00 | 3.401 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 18:45:00 | 76 | 3700.0 | 127.75 | 0.0 | -127.75 | 3.45 | 0.00 | -3.401 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 19:00:00 | 77 | 3700.0 | 195.0 | 0.0 | -195.0 | 5.27 | 0.00 | -3.730 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 19:15:00 | 78 | 3700.0 | 277.25 | 0.0 | -277.25 | 7.49 | 0.00 | -4.715 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 19:30:00 | 79 | 3700.0 | 2.5 | 0.0 | -2.5 | 0.07 | 0.00 | -4.058 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 19:45:00 | 80 | 3700.0 | 4.5 | 0.0 | -4.5 | 0.12 | 0.00 | -2.210 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 20:00:00 | 81 | 3700.0 | 17.5 | 0.0 | -17.5 | 0.47 | 0.00 | -2.348 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 20:15:00 | 82 | 3700.0 | 36.25 | 0.0 | -36.25 | 0.98 | 0.00 | 4.387 | 56.573583 |
| Kedgaon 132kV | 07/01/2020 20:30:00 | 83 | 3700.0 | 60.5 | 0.0 | -60.5 | 1.64 | 0.00 | 3.816 | 123.461610 |
| Kedgaon 132kV | 07/01/2020 20:45:00 | 84 | 3700.0 | 80.75 | 0.0 | -80.75 | 2.18 | 0.00 | 3.401 | 39.675357 |
| Kedgaon 132kV | 07/01/2020 21:00:00 | 85 | 3700.0 | 103.75 | 0.0 | -103.75 | 2.8 | 0.00 | -4.058 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 21:15:00 | 86 | 3700.0 | 129.75 | 21.09 | -108.66 | 2.94 | 0.00 | 1.647 | 57.593593 |
| Kedgaon 132kV | 07/01/2020 21:30:00 | 87 | 3700.0 | 158.5 | 410.94 | 252.44 | 6.82 | 0.00 | 2.196 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 21:45:00 | 88 | 3700.0 | 138.75 | 521.09 | 382.34 | 10.33 | 0.00 | -2.196 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 22:00:00 | 89 | 3700.0 | 120.25 | 584.38 | 464.13 | 12.54 | 0.00 | -3.257 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 22:15:00 | 90 | 3700.0 | 103.0 | 412.5 | 309.5 | 8.36 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kedgaon 132kV | 07/01/2020 22:30:00 | 91 | 3700.0 | 87.0 | 229.69 | 142.69 | 3.86 | 0.00 | -1.098 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 22:45:00 | 92 | 3700.0 | 62.5 | 207.03 | 144.53 | 3.91 | 0.00 | -1.647 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 23:00:00 | 93 | 3700.0 | 41.75 | 122.66 | 80.91 | 2.19 | 0.00 | -3.401 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 23:15:00 | 94 | 3700.0 | 24.75 | 95.31 | 70.56 | 1.91 | 0.00 | 1.647 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 23:30:00 | 95 | 3700.0 | 11.75 | 144.53 | 132.78 | 3.59 | 0.00 | -2.196 | 0.000000 |
| Kedgaon 132kV | 07/01/2020 23:45:00 | 96 | 3700.0 | 7.25 | 135.94 | 128.69 | 3.48 | 0.00 | -0.549 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 00:00:00 | 1 | 3700.0 | 2.5 | 121.09 | 118.59 | 3.21 | 0.00 | -2.220 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 00:15:00 | 2 | 3700.0 | 0.5 | 46.09 | 45.59 | 1.23 | 0.00 | -3.101 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 00:30:00 | 3 | 3700.0 | 2.5 | 18.75 | 16.25 | 0.44 | 0.00 | -3.101 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 00:45:00 | 4 | 3700.0 | 2.5 | 37.5 | 35.0 | 0.95 | 0.00 | -2.424 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 01:00:00 | 5 | 3700.0 | 2.5 | 72.66 | 70.16 | 1.9 | 0.00 | -2.170 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 01:15:00 | 6 | 3700.0 | 2.5 | 79.69 | 77.19 | 2.09 | 0.00 | -1.761 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 01:30:00 | 7 | 3700.0 | 2.5 | 24.22 | 21.72 | 0.59 | 0.00 | -1.665 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 01:45:00 | 8 | 3700.0 | 2.5 | 26.56 | 24.06 | 0.65 | 0.00 | -1.665 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 02:00:00 | 9 | 3700.0 | 2.5 | 117.97 | 115.47 | 3.12 | 0.00 | -1.110 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 02:15:00 | 10 | 3700.0 | 2.5 | 237.5 | 235.0 | 6.35 | 0.00 | -1.347 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 02:30:00 | 11 | 3700.0 | 2.5 | 220.31 | 217.81 | 5.89 | 0.00 | -3.101 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 02:45:00 | 12 | 3700.0 | 2.5 | 239.84 | 237.34 | 6.41 | 0.00 | -2.220 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 03:00:00 | 13 | 3700.0 | 2.5 | 146.88 | 144.38 | 3.9 | 0.00 | -3.428 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 03:15:00 | 14 | 3700.0 | 2.5 | 164.84 | 162.34 | 4.39 | 0.00 | -2.220 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 03:30:00 | 15 | 3700.0 | 2.5 | 130.47 | 127.97 | 3.46 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kedgaon 132kV | 08/01/2020 03:45:00 | 16 | 3700.0 | 2.5 | 155.47 | 152.97 | 4.13 | 0.00 | -2.775 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 04:00:00 | 17 | 3700.0 | 2.5 | 32.81 | 30.31 | 0.82 | 0.00 | -3.101 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 04:15:00 | 18 | 3700.0 | 2.5 | 0.0 | -2.5 | 0.07 | 0.00 | -1.665 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 04:30:00 | 19 | 3700.0 | 3.75 | 15.62 | 11.87 | 0.32 | 0.00 | -2.220 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 04:45:00 | 20 | 3700.0 | 4.5 | 0.78 | -3.72 | 0.1 | 0.00 | -2.775 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 05:00:00 | 21 | 3700.0 | 5.25 | 0.0 | -5.25 | 0.14 | 0.00 | -1.110 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 05:15:00 | 22 | 3700.0 | 5.75 | 0.0 | -5.75 | 0.16 | 0.00 | 2.775 | 0.277078 |
| Kedgaon 132kV | 08/01/2020 05:30:00 | 23 | 3700.0 | 6.25 | 0.0 | -6.25 | 0.17 | 0.00 | -3.428 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 05:45:00 | 24 | 3700.0 | 4.25 | 0.0 | -4.25 | 0.11 | 0.00 | -2.775 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 06:00:00 | 25 | 3700.0 | 1.5 | 0.0 | -1.5 | 0.04 | 0.00 | -2.220 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 06:15:00 | 26 | 3700.0 | 2.5 | 0.0 | -2.5 | 0.07 | 0.00 | 2.220 | 0.511869 |
| Kedgaon 132kV | 08/01/2020 06:30:00 | 27 | 3700.0 | 2.5 | 0.0 | -2.5 | 0.07 | 0.00 | 5.387 | 4.499786 |
| Kedgaon 132kV | 08/01/2020 06:45:00 | 28 | 3700.0 | 2.5 | 0.0 | -2.5 | 0.07 | 0.00 | -4.734 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 07:00:00 | 29 | 3700.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.407 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 07:15:00 | 30 | 3700.0 | 2.25 | 0.0 | -2.25 | 0.06 | 0.00 | 5.061 | 3.965722 |
| Kedgaon 132kV | 08/01/2020 07:30:00 | 31 | 3700.0 | 4.25 | 0.0 | -4.25 | 0.11 | 0.00 | 5.714 | 7.167526 |
| Kedgaon 132kV | 08/01/2020 07:45:00 | 32 | 3700.0 | 6.0 | 0.0 | -6.0 | 0.16 | 0.00 | 5.061 | 3.978187 |
| Kedgaon 132kV | 08/01/2020 08:00:00 | 33 | 3700.0 | 6.5 | 0.0 | -6.5 | 0.18 | 0.00 | 2.775 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 08:15:00 | 34 | 3700.0 | 7.0 | 0.0 | -7.0 | 0.19 | 0.00 | 2.775 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 08:30:00 | 35 | 3700.0 | 7.0 | 0.0 | -7.0 | 0.19 | 0.00 | 5.387 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 08:45:00 | 36 | 3700.0 | 7.0 | 0.0 | -7.0 | 0.19 | 0.00 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kedgaon 132kV | 08/01/2020 09:00:00 | 37 | 3700.0 | 7.0 | 0.0 | -7.0 | 0.19 | 0.00 | 7.673 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 09:15:00 | 38 | 3700.0 | 7.0 | 0.0 | -7.0 | 0.19 | 0.00 | 7.673 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 09:30:00 | 39 | 3700.0 | 7.0 | 0.0 | -7.0 | 0.19 | 0.00 | 3.101 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 09:45:00 | 40 | 3700.0 | 5.75 | 0.78 | -4.97 | 0.13 | 0.00 | -3.101 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 10:00:00 | 41 | 3700.0 | 3.75 | 59.38 | 55.63 | 1.5 | 0.00 | -3.101 | -12.008173 |
| Kedgaon 132kV | 08/01/2020 10:15:00 | 42 | 3700.0 | 1.0 | 157.81 | 156.81 | 4.24 | 0.00 | -3.101 | -33.661489 |
| Kedgaon 132kV | 08/01/2020 10:30:00 | 43 | 3700.0 | 2.5 | 282.81 | 280.31 | 7.58 | 0.00 | -1.665 | -45.370394 |
| Kedgaon 132kV | 08/01/2020 10:45:00 | 44 | 3700.0 | 2.5 | 421.09 | 418.59 | 11.31 | 0.00 | 0.000 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 11:00:00 | 45 | 3700.0 | 2.5 | 495.31 | 492.81 | 13.32 | 0.00 | -1.486 | -168.174599 |
| Kedgaon 132kV | 08/01/2020 11:15:00 | 46 | 3700.0 | 2.5 | 560.16 | 557.66 | 15.07 | 1.33 | -1.305 | -255.322571 |
| Kedgaon 132kV | 08/01/2020 11:30:00 | 47 | 3700.0 | 5.0 | 659.38 | 654.38 | 17.69 | 49.69 | -2.425 | -263.533921 |
| Kedgaon 132kV | 08/01/2020 11:45:00 | 48 | 3700.0 | 13.75 | 735.16 | 721.41 | 19.5 | 83.21 | -2.775 | -261.137255 |
| Kedgaon 132kV | 08/01/2020 12:00:00 | 49 | 3700.0 | 25.25 | 589.06 | 563.81 | 15.24 | 4.41 | -2.083 | -361.749874 |
| Kedgaon 132kV | 08/01/2020 12:15:00 | 50 | 3700.0 | 39.25 | 629.69 | 590.44 | 15.96 | 17.72 | -3.242 | -239.809232 |
| Kedgaon 132kV | 08/01/2020 12:30:00 | 51 | 3700.0 | 56.25 | 519.53 | 463.28 | 12.52 | 0.00 | -1.330 | -98.558071 |
| Kedgaon 132kV | 08/01/2020 12:45:00 | 52 | 3700.0 | 70.0 | 264.84 | 194.84 | 5.27 | 0.00 | -0.830 | -37.053974 |
| Kedgaon 132kV | 08/01/2020 13:00:00 | 53 | 3700.0 | 85.5 | 263.28 | 177.78 | 4.8 | 0.00 | 2.775 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 13:15:00 | 54 | 3700.0 | 102.25 | 465.62 | 363.37 | 9.82 | 0.00 | 0.000 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 13:30:00 | 55 | 3700.0 | 120.75 | 597.66 | 476.91 | 12.89 | 0.00 | -1.012 | -41.644205 |
| Kedgaon 132kV | 08/01/2020 13:45:00 | 56 | 3700.0 | 164.0 | 580.47 | 416.47 | 11.26 | 0.00 | -1.087 | -41.997468 |
| Kedgaon 132kV | 08/01/2020 14:00:00 | 57 | 3700.0 | 214.0 | 408.59 | 194.59 | 5.26 | 0.00 | -3.101 | -57.000420 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kedgaon 132kV | 08/01/2020 14:15:00 | 58 | 3700.0 | 271.0 | 502.34 | 231.34 | 6.25 | 0.00 | -4.081 | -48.981589 |
| Kedgaon 132kV | 08/01/2020 14:30:00 | 59 | 3700.0 | 335.25 | 578.91 | 243.66 | 6.59 | 0.00 | -2.996 | -98.577263 |
| Kedgaon 132kV | 08/01/2020 14:45:00 | 60 | 3700.0 | 392.75 | 546.88 | 154.13 | 4.17 | 0.00 | -3.101 | -23.388065 |
| Kedgaon 132kV | 08/01/2020 15:00:00 | 61 | 3700.0 | 455.25 | 448.44 | -6.81 | 0.18 | 0.00 | -1.879 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 15:15:00 | 62 | 3700.0 | 523.25 | 718.75 | 195.5 | 5.28 | 0.00 | -4.081 | -6.876994 |
| Kedgaon 132kV | 08/01/2020 15:30:00 | 63 | 3700.0 | 597.0 | 989.06 | 392.06 | 10.6 | 0.00 | 4.938 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 15:45:00 | 64 | 3700.0 | 625.5 | 821.88 | 196.38 | 5.31 | 0.00 | 4.719 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 16:00:00 | 65 | 3700.0 | 654.75 | 929.69 | 274.94 | 7.43 | 0.00 | 0.555 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 16:15:00 | 66 | 3700.0 | 685.0 | 900.0 | 215.0 | 5.81 | 0.00 | -4.081 | -100.360009 |
| Kedgaon 132kV | 08/01/2020 16:30:00 | 67 | 3700.0 | 716.0 | 879.69 | 163.69 | 4.42 | 0.00 | -3.754 | -28.526182 |
| Kedgaon 132kV | 08/01/2020 16:45:00 | 68 | 3700.0 | 692.25 | 753.91 | 61.66 | 1.67 | 0.00 | -8.000 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 17:00:00 | 69 | 3700.0 | 669.0 | 803.91 | 134.91 | 3.65 | 0.00 | 0.000 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 17:15:00 | 70 | 3700.0 | 646.25 | 802.34 | 156.09 | 4.22 | 0.00 | 4.081 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 17:30:00 | 71 | 3700.0 | 624.0 | 690.62 | 66.62 | 1.8 | 0.00 | -5.387 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 17:45:00 | 72 | 3700.0 | 558.25 | 789.06 | 230.81 | 6.24 | 0.00 | -3.101 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 18:00:00 | 73 | 3700.0 | 497.0 | 695.31 | 198.31 | 5.36 | 0.00 | -2.775 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 18:15:00 | 74 | 3700.0 | 439.75 | 545.31 | 105.56 | 2.85 | 0.00 | -3.101 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 18:30:00 | 75 | 3700.0 | 386.25 | 528.91 | 142.66 | 3.86 | 0.00 | -2.220 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 18:45:00 | 76 | 3700.0 | 316.75 | 530.47 | 213.72 | 5.78 | 0.00 | 2.220 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 19:00:00 | 77 | 3700.0 | 254.5 | 742.97 | 488.47 | 13.2 | 0.00 | 1.110 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 19:15:00 | 78 | 3700.0 | 199.5 | 862.5 | 663.0 | 17.92 | 54.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kedgaon 132kV | 08/01/2020 19:30:00 | 79 | 3700.0 | 151.5 | 1145.31 | 993.81 | 26.86 | 253.81 | -2.220 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 19:45:00 | 80 | 3700.0 | 114.25 | 1239.06 | 1124.81 | 30.4 | 384.81 | -0.555 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 20:00:00 | 81 | 3700.0 | 82.25 | 1749.22 | 1666.97 | 45.05 | 1112.96 | 2.775 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 20:15:00 | 82 | 3700.0 | 55.5 | 1748.44 | 1692.94 | 45.76 | 1151.91 | 3.101 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 20:30:00 | 83 | 3700.0 | 33.75 | 1646.09 | 1612.34 | 43.58 | 1031.01 | 4.408 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 20:45:00 | 84 | 3700.0 | 22.0 | 1689.84 | 1667.84 | 45.08 | 1114.26 | 3.101 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 21:00:00 | 85 | 3700.0 | 12.5 | 1937.5 | 1925.0 | 52.03 | 1500.00 | 3.101 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 21:15:00 | 86 | 3700.0 | 4.75 | 2000.78 | 1996.03 | 53.95 | 1606.55 | -0.555 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 21:30:00 | 87 | 3700.0 | 2.5 | 2053.91 | 2051.41 | 55.44 | 1689.62 | -1.110 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 21:45:00 | 88 | 3700.0 | 2.5 | 1792.97 | 1790.47 | 48.39 | 1298.21 | -1.110 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 22:00:00 | 89 | 3700.0 | 2.5 | 1253.91 | 1251.41 | 33.82 | 511.41 | -2.489 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 22:15:00 | 90 | 3700.0 | 2.5 | 790.62 | 788.12 | 21.3 | 116.56 | -2.775 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 22:30:00 | 91 | 3700.0 | 2.5 | 764.06 | 761.56 | 20.58 | 103.28 | -2.223 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 22:45:00 | 92 | 3700.0 | 2.5 | 646.88 | 644.38 | 17.42 | 44.69 | 1.110 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 23:00:00 | 93 | 3700.0 | 2.5 | 506.25 | 503.75 | 13.61 | 0.00 | 1.110 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 23:15:00 | 94 | 3700.0 | 2.5 | 396.09 | 393.59 | 10.64 | 0.00 | 1.110 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 23:30:00 | 95 | 3700.0 | 2.5 | 324.22 | 321.72 | 8.7 | 0.00 | 2.775 | 0.000000 |
| Kedgaon 132kV | 08/01/2020 23:45:00 | 96 | 3700.0 | 2.5 | 332.03 | 329.53 | 8.91 | 0.00 | 0.000 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 00:00:00 | 1 | 3700.0 | 2.5 | 399.22 | 396.72 | 10.72 | 0.00 | -0.576 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 00:15:00 | 2 | 3700.0 | 2.5 | 411.72 | 409.22 | 11.06 | 0.00 | -1.727 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 00:30:00 | 3 | 3700.0 | 2.5 | 323.44 | 320.94 | 8.67 | 0.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kedgaon 132kV | 09/01/2020 00:45:00 | 4 | 3700.0 | 2.5 | 433.59 | 431.09 | 11.65 | 0.00 | -2.879 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 01:00:00 | 5 | 3700.0 | 2.5 | 385.94 | 383.44 | 10.36 | 0.00 | -3.519 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 01:15:00 | 6 | 3700.0 | 2.25 | 228.91 | 226.66 | 6.13 | 0.00 | -3.519 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 01:30:00 | 7 | 3700.0 | 6.5 | 280.47 | 273.97 | 7.4 | 0.00 | -3.199 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 01:45:00 | 8 | 3700.0 | 10.0 | 300.0 | 290.0 | 7.84 | 0.00 | 3.519 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 02:00:00 | 9 | 3700.0 | 14.0 | 329.69 | 315.69 | 8.53 | 0.00 | 3.519 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 02:15:00 | 10 | 3700.0 | 18.5 | 567.19 | 548.69 | 14.83 | 0.00 | 2.879 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 02:30:00 | 11 | 3700.0 | 23.75 | 480.47 | 456.72 | 12.34 | 0.00 | 3.199 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 02:45:00 | 12 | 3700.0 | 14.25 | 466.41 | 452.16 | 12.22 | 0.00 | 1.152 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 03:00:00 | 13 | 3700.0 | 6.75 | 364.06 | 357.31 | 9.66 | 0.00 | -2.879 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 03:15:00 | 14 | 3700.0 | 1.0 | 497.66 | 496.66 | 13.42 | 0.00 | -3.839 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 03:30:00 | 15 | 3700.0 | 2.5 | 625.0 | 622.5 | 16.82 | 33.75 | 3.199 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 03:45:00 | 16 | 3700.0 | 2.5 | 748.44 | 745.94 | 20.16 | 95.47 | 0.000 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 04:00:00 | 17 | 3700.0 | 2.5 | 735.16 | 732.66 | 19.8 | 88.83 | 1.727 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 04:15:00 | 18 | 3700.0 | 2.5 | 692.19 | 689.69 | 18.64 | 67.35 | 1.727 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 04:30:00 | 19 | 3700.0 | 2.5 | 689.84 | 687.34 | 18.58 | 66.17 | 1.727 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 04:45:00 | 20 | 3700.0 | 2.5 | 753.91 | 751.41 | 20.31 | 98.21 | 2.879 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 05:00:00 | 21 | 3700.0 | 2.5 | 956.25 | 953.75 | 25.78 | 213.75 | 3.839 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 05:15:00 | 22 | 3700.0 | 2.5 | 841.41 | 838.91 | 22.67 | 141.96 | 5.119 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 05:30:00 | 23 | 3700.0 | 2.5 | 682.81 | 680.31 | 18.39 | 62.66 | 4.064 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 05:45:00 | 24 | 3700.0 | 2.5 | 759.38 | 756.88 | 20.46 | 100.94 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kedgaon 132kV | 09/01/2020 06:00:00 | 25 | 3700.0 | 2.5 | 772.66 | 770.16 | 20.82 | 107.58 | -2.303 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 06:15:00 | 26 | 3700.0 | 2.5 | 952.34 | 949.84 | 25.67 | 209.84 | 2.303 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 06:30:00 | 27 | 3700.0 | 2.5 | 1057.81 | 1055.31 | 28.52 | 315.31 | -3.839 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 06:45:00 | 28 | 3700.0 | 2.5 | 1218.75 | 1216.25 | 32.87 | 476.25 | -2.879 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 07:00:00 | 29 | 3700.0 | 2.5 | 1128.91 | 1126.41 | 30.44 | 386.41 | -2.879 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 07:15:00 | 30 | 3700.0 | 2.5 | 912.5 | 910.0 | 24.59 | 177.50 | 6.400 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 07:30:00 | 31 | 3700.0 | 2.5 | 1008.59 | 1006.09 | 27.19 | 266.09 | 1.172 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 07:45:00 | 32 | 3700.0 | 2.5 | 1123.44 | 1120.94 | 30.3 | 380.94 | 0.576 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 08:00:00 | 33 | 3700.0 | 2.5 | 1039.84 | 1037.34 | 28.04 | 297.34 | -0.576 | -56.701795 |
| Kedgaon 132kV | 09/01/2020 08:15:00 | 34 | 3700.0 | 2.5 | 778.91 | 776.41 | 20.98 | 110.71 | -1.152 | -80.411727 |
| Kedgaon 132kV | 09/01/2020 08:30:00 | 35 | 3700.0 | 2.5 | 632.03 | 629.53 | 17.01 | 37.27 | 0.576 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 08:45:00 | 36 | 3700.0 | 2.5 | 514.84 | 512.34 | 13.85 | 0.00 | 0.000 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 09:00:00 | 37 | 3700.0 | 2.5 | 420.31 | 417.81 | 11.29 | 0.00 | 1.152 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 09:15:00 | 38 | 3700.0 | 2.5 | 279.69 | 277.19 | 7.49 | 0.00 | 1.727 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 09:30:00 | 39 | 3700.0 | 2.5 | 186.72 | 184.22 | 4.98 | 0.00 | -3.839 | -7.938532 |
| Kedgaon 132kV | 09/01/2020 09:45:00 | 40 | 3700.0 | 2.5 | 123.44 | 120.94 | 3.27 | 0.00 | -1.152 | -0.993155 |
| Kedgaon 132kV | 09/01/2020 10:00:00 | 41 | 3700.0 | 2.5 | 45.31 | 42.81 | 1.16 | 0.00 | 0.000 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 10:15:00 | 42 | 3700.0 | 2.25 | 4.69 | 2.44 | 0.07 | 0.00 | 1.727 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 10:30:00 | 43 | 3700.0 | 4.75 | 3.12 | -1.63 | 0.04 | 0.00 | 2.303 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 10:45:00 | 44 | 3700.0 | 4.5 | 12.5 | 8.0 | 0.22 | 0.00 | -1.144 | -0.750195 |
| Kedgaon 132kV | 09/01/2020 11:00:00 | 45 | 3700.0 | 4.25 | 25.78 | 21.53 | 0.58 | 0.00 | -4.479 | -6.261848 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kedgaon 132kV | 09/01/2020 11:15:00 | 46 | 3700.0 | 4.0 | 16.41 | 12.41 | 0.34 | 0.00 | -3.519 | -2.272615 |
| Kedgaon 132kV | 09/01/2020 11:30:00 | 47 | 3700.0 | 3.75 | 6.25 | 2.5 | 0.07 | 0.00 | -2.303 | -0.324012 |
| Kedgaon 132kV | 09/01/2020 11:45:00 | 48 | 3700.0 | 2.5 | 3.12 | 0.62 | 0.02 | 0.00 | -0.576 | -0.008925 |
| Kedgaon 132kV | 09/01/2020 12:00:00 | 49 | 3700.0 | 2.5 | 0.0 | -2.5 | 0.07 | 0.00 | 0.000 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 12:15:00 | 50 | 3700.0 | 2.5 | 1.56 | -0.94 | 0.03 | 0.00 | 3.839 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 12:30:00 | 51 | 3700.0 | 2.5 | 0.78 | -1.72 | 0.05 | 0.00 | 3.199 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 12:45:00 | 52 | 3700.0 | 2.5 | 0.0 | -2.5 | 0.07 | 0.00 | 3.199 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 13:00:00 | 53 | 3700.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.152 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 13:15:00 | 54 | 3700.0 | 8.5 | 0.0 | -8.5 | 0.23 | 0.00 | -1.152 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 13:30:00 | 55 | 3700.0 | 20.75 | 0.0 | -20.75 | 0.56 | 0.00 | 1.727 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 13:45:00 | 56 | 3700.0 | 28.25 | 0.0 | -28.25 | 0.76 | 0.00 | 3.199 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 14:00:00 | 57 | 3700.0 | 37.0 | 0.0 | -37.0 | 1.0 | 0.00 | 4.345 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 14:15:00 | 58 | 3700.0 | 46.5 | 0.0 | -46.5 | 1.26 | 0.00 | 3.941 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 14:30:00 | 59 | 3700.0 | 57.0 | 0.0 | -57.0 | 1.54 | 0.00 | 1.152 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 14:45:00 | 60 | 3700.0 | 66.5 | 0.78 | -65.72 | 1.78 | 0.00 | -0.576 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 15:00:00 | 61 | 3700.0 | 76.75 | 0.78 | -75.97 | 2.05 | 0.00 | -1.006 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 15:15:00 | 62 | 3700.0 | 87.5 | 0.0 | -87.5 | 2.36 | 0.00 | 3.199 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 15:30:00 | 63 | 3700.0 | 99.25 | 0.0 | -99.25 | 2.68 | 0.00 | 2.879 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 15:45:00 | 64 | 3700.0 | 92.0 | 0.78 | -91.22 | 2.47 | 0.00 | 3.839 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 16:00:00 | 65 | 3700.0 | 85.0 | 3.91 | -81.09 | 2.19 | 0.00 | 1.727 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 16:15:00 | 66 | 3700.0 | 78.25 | 0.78 | -77.47 | 2.09 | 0.00 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kedgaon 132kV | 09/01/2020 16:30:00 | 67 | 3700.0 | 71.75 | 30.47 | -41.28 | 1.12 | 0.00 | -4.159 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 16:45:00 | 68 | 3700.0 | 63.0 | 74.22 | 11.22 | 0.3 | 0.00 | 3.839 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 17:00:00 | 69 | 3700.0 | 55.0 | 96.09 | 41.09 | 1.11 | 0.00 | 1.727 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 17:15:00 | 70 | 3700.0 | 47.25 | 249.22 | 201.97 | 5.46 | 0.00 | 3.839 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 17:30:00 | 71 | 3700.0 | 40.25 | 468.75 | 428.5 | 11.58 | 0.00 | -2.879 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 17:45:00 | 72 | 3700.0 | 34.5 | 480.47 | 445.97 | 12.05 | 0.00 | -4.146 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 18:00:00 | 73 | 3700.0 | 29.25 | 525.78 | 496.53 | 13.42 | 0.00 | -3.349 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 18:15:00 | 74 | 3700.0 | 24.25 | 560.16 | 535.91 | 14.48 | 0.00 | -4.563 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 18:30:00 | 75 | 3700.0 | 19.75 | 635.16 | 615.41 | 16.63 | 30.21 | -3.839 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 18:45:00 | 76 | 3700.0 | 19.0 | 634.38 | 615.38 | 16.63 | 30.19 | -2.879 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 19:00:00 | 77 | 3700.0 | 18.25 | 668.75 | 650.5 | 17.58 | 47.75 | -3.199 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 19:15:00 | 78 | 3700.0 | 17.75 | 600.0 | 582.25 | 15.74 | 13.63 | -1.727 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 19:30:00 | 79 | 3700.0 | 17.0 | 591.41 | 574.41 | 15.52 | 9.71 | -1.442 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 19:45:00 | 80 | 3700.0 | 22.25 | 744.53 | 722.28 | 19.52 | 83.64 | -0.286 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 20:00:00 | 81 | 3700.0 | 28.25 | 895.31 | 867.06 | 23.43 | 156.03 | -1.070 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 20:15:00 | 82 | 3700.0 | 34.75 | 880.47 | 845.72 | 22.86 | 145.36 | -2.236 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 20:30:00 | 83 | 3700.0 | 41.75 | 886.72 | 844.97 | 22.84 | 144.99 | -4.799 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 20:45:00 | 84 | 3700.0 | 36.0 | 885.94 | 849.94 | 22.97 | 147.47 | -1.727 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 21:00:00 | 85 | 3700.0 | 30.75 | 833.59 | 802.84 | 21.7 | 123.92 | -1.727 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 21:15:00 | 86 | 3700.0 | 26.0 | 734.38 | 708.38 | 19.15 | 76.69 | 1.152 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 21:30:00 | 87 | 3700.0 | 21.25 | 1103.12 | 1081.87 | 29.24 | 341.87 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kedgaon 132kV | 09/01/2020 21:45:00 | 88 | 3700.0 | 31.0 | 1208.59 | 1177.59 | 31.83 | 437.59 | -2.303 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 22:00:00 | 89 | 3700.0 | 42.0 | 1123.44 | 1081.44 | 29.23 | 341.44 | -2.795 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 22:15:00 | 90 | 3700.0 | 54.75 | 1188.28 | 1133.53 | 30.64 | 393.53 | -3.674 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 22:30:00 | 91 | 3700.0 | 69.0 | 1197.66 | 1128.66 | 30.5 | 388.66 | -2.303 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 22:45:00 | 92 | 3700.0 | 51.25 | 1248.44 | 1197.19 | 32.36 | 457.19 | -1.152 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 23:00:00 | 93 | 3700.0 | 36.25 | 1199.22 | 1162.97 | 31.43 | 422.97 | 0.000 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 23:15:00 | 94 | 3700.0 | 23.5 | 1158.59 | 1135.09 | 30.68 | 395.09 | -0.576 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 23:30:00 | 95 | 3700.0 | 13.25 | 1059.38 | 1046.13 | 28.27 | 306.13 | -0.576 | 0.000000 |
| Kedgaon 132kV | 09/01/2020 23:45:00 | 96 | 3700.0 | 11.0 | 1015.62 | 1004.62 | 27.15 | 264.62 | -0.987 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 00:00:00 | 1 | 3700.0 | 10.0 | 925.78 | 915.78 | 24.75 | 180.39 | -0.680 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 00:15:00 | 2 | 3700.0 | 7.0 | 758.59 | 751.59 | 20.31 | 98.30 | -3.326 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 00:30:00 | 3 | 3700.0 | 5.25 | 579.69 | 574.44 | 15.53 | 9.72 | -2.992 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 00:45:00 | 4 | 3700.0 | 2.25 | 536.72 | 534.47 | 14.45 | 0.00 | -0.532 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 01:00:00 | 5 | 3700.0 | 2.5 | 600.78 | 598.28 | 16.17 | 21.64 | -0.713 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 01:15:00 | 6 | 3700.0 | 2.5 | 656.25 | 653.75 | 17.67 | 49.38 | -0.548 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 01:30:00 | 7 | 3700.0 | 2.5 | 660.16 | 657.66 | 17.77 | 51.33 | -2.658 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 01:45:00 | 8 | 3700.0 | 2.5 | 624.22 | 621.72 | 16.8 | 33.36 | 2.127 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 02:00:00 | 9 | 3700.0 | 2.5 | 650.78 | 648.28 | 17.52 | 46.64 | 5.342 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 02:15:00 | 10 | 3700.0 | 2.5 | 665.62 | 663.12 | 17.92 | 54.06 | 1.595 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 02:30:00 | 11 | 3700.0 | 2.5 | 798.44 | 795.94 | 21.51 | 120.47 | 3.326 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 02:45:00 | 12 | 3700.0 | 5.75 | 882.03 | 876.28 | 23.68 | 160.64 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kedgaon 132kV | 10/01/2020 03:00:00 | 13 | 3700.0 | 17.5 | 849.22 | 831.72 | 22.48 | 138.36 | 2.658 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 03:15:00 | 14 | 3700.0 | 33.5 | 967.19 | 933.69 | 25.23 | 193.69 | 2.127 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 03:30:00 | 15 | 3700.0 | 53.75 | 1137.5 | 1083.75 | 29.29 | 343.75 | 2.127 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 03:45:00 | 16 | 3700.0 | 56.75 | 1281.25 | 1224.5 | 33.09 | 484.50 | -1.063 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 04:00:00 | 17 | 3700.0 | 60.25 | 1314.06 | 1253.81 | 33.89 | 513.81 | 1.595 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 04:15:00 | 18 | 3700.0 | 63.5 | 1200.78 | 1137.28 | 30.74 | 397.28 | 3.326 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 04:30:00 | 19 | 3700.0 | 67.0 | 1236.72 | 1169.72 | 31.61 | 429.72 | 3.326 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 04:45:00 | 20 | 3700.0 | 60.5 | 1175.0 | 1114.5 | 30.12 | 374.50 | 2.127 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 05:00:00 | 21 | 3700.0 | 54.5 | 910.94 | 856.44 | 23.15 | 150.72 | 2.992 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 05:15:00 | 22 | 3700.0 | 48.75 | 873.44 | 824.69 | 22.29 | 134.85 | 1.063 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 05:30:00 | 23 | 3700.0 | 43.25 | 814.84 | 771.59 | 20.85 | 108.30 | -2.658 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 05:45:00 | 24 | 3700.0 | 42.5 | 679.69 | 637.19 | 17.22 | 41.10 | 2.127 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 06:00:00 | 25 | 3700.0 | 41.75 | 606.25 | 564.5 | 15.26 | 4.75 | -2.127 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 06:15:00 | 26 | 3700.0 | 41.0 | 383.59 | 342.59 | 9.26 | 0.00 | 2.658 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 06:30:00 | 27 | 3700.0 | 40.25 | 360.94 | 320.69 | 8.67 | 0.00 | -2.992 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 06:45:00 | 28 | 3700.0 | 40.5 | 346.88 | 306.38 | 8.28 | 0.00 | -3.077 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 07:00:00 | 29 | 3700.0 | 41.0 | 233.59 | 192.59 | 5.21 | 0.00 | -0.687 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 07:15:00 | 30 | 3700.0 | 41.25 | 34.38 | -6.87 | 0.19 | 0.00 | -2.658 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 07:30:00 | 31 | 3700.0 | 124.5 | 0.0 | -124.5 | 3.36 | 0.00 | -1.063 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 07:45:00 | 32 | 3700.0 | 147.25 | 0.0 | -147.25 | 3.98 | 0.00 | -2.658 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 08:00:00 | 33 | 3700.0 | 171.75 | 0.0 | -171.75 | 4.64 | 0.00 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kedgaon 132kV | 10/01/2020 08:15:00 | 34 | 3700.0 | 198.25 | 0.0 | -198.25 | 5.36 | 0.00 | -4.661 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 08:30:00 | 35 | 3700.0 | 226.75 | 9.38 | -217.37 | 5.87 | 0.00 | 5.663 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 08:45:00 | 36 | 3700.0 | 284.5 | 110.94 | -173.56 | 4.69 | 0.00 | 4.328 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 09:00:00 | 37 | 3700.0 | 349.25 | 199.22 | -150.03 | 4.05 | 0.00 | -4.995 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 09:15:00 | 38 | 3700.0 | 421.25 | 212.5 | -208.75 | 5.64 | 0.00 | -4.327 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 09:30:00 | 39 | 3700.0 | 501.0 | 146.88 | -354.12 | 9.57 | 0.00 | -2.127 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 09:45:00 | 40 | 3700.0 | 552.75 | 33.59 | -519.16 | 14.03 | 0.00 | -1.152 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 10:00:00 | 41 | 3700.0 | 607.25 | 4.69 | -602.56 | 16.29 | 23.78 | 0.000 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 10:15:00 | 42 | 3700.0 | 665.0 | 0.0 | -665.0 | 17.97 | 55.00 | -0.532 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 10:30:00 | 43 | 3700.0 | 726.0 | 0.0 | -726.0 | 19.62 | 85.50 | -1.063 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 10:45:00 | 44 | 3700.0 | 734.25 | 0.0 | -734.25 | 19.84 | 89.63 | 0.000 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 11:00:00 | 45 | 3700.0 | 742.75 | 0.0 | -742.75 | 20.07 | 93.88 | 2.658 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 11:15:00 | 46 | 3700.0 | 751.25 | 0.0 | -751.25 | 20.3 | 98.13 | 0.000 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 11:30:00 | 47 | 3700.0 | 759.75 | 0.0 | -759.75 | 20.53 | 102.38 | -1.595 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 11:45:00 | 48 | 3700.0 | 687.5 | 0.0 | -687.5 | 18.58 | 66.25 | 2.992 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 12:00:00 | 49 | 3700.0 | 619.5 | 0.0 | -619.5 | 16.74 | 32.25 | 0.000 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 12:15:00 | 50 | 3700.0 | 555.5 | 0.0 | -555.5 | 15.01 | 0.25 | 2.127 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 12:30:00 | 51 | 3700.0 | 495.75 | 0.0 | -495.75 | 13.4 | 0.00 | 1.595 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 12:45:00 | 52 | 3700.0 | 455.25 | 0.0 | -455.25 | 12.3 | 0.00 | -1.063 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 13:00:00 | 53 | 3700.0 | 417.0 | 0.0 | -417.0 | 11.27 | 0.00 | 2.658 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 13:15:00 | 54 | 3700.0 | 380.5 | 0.0 | -380.5 | 10.28 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kedgaon 132kV | 10/01/2020 13:30:00 | 55 | 3700.0 | 346.0 | 0.0 | -346.0 | 9.35 | 0.00 | 2.127 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 13:45:00 | 56 | 3700.0 | 328.25 | 0.0 | -328.25 | 8.87 | 0.00 | -3.326 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 14:00:00 | 57 | 3700.0 | 311.0 | 7.03 | -303.97 | 8.22 | 0.00 | -2.992 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 14:15:00 | 58 | 3700.0 | 294.5 | 10.94 | -283.56 | 7.66 | 0.00 | 3.660 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 14:30:00 | 59 | 3700.0 | 278.25 | 12.5 | -265.75 | 7.18 | 0.00 | -2.127 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 14:45:00 | 60 | 3700.0 | 273.0 | 25.0 | -248.0 | 6.7 | 0.00 | -2.127 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 15:00:00 | 61 | 3700.0 | 267.75 | 25.78 | -241.97 | 6.54 | 0.00 | 0.000 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 15:15:00 | 62 | 3700.0 | 262.5 | 42.97 | -219.53 | 5.93 | 0.00 | -2.992 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 15:30:00 | 63 | 3700.0 | 257.25 | 24.22 | -233.03 | 6.3 | 0.00 | -4.995 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 15:45:00 | 64 | 3700.0 | 237.0 | 28.12 | -208.88 | 5.65 | 0.00 | -4.327 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 16:00:00 | 65 | 3700.0 | 217.5 | 78.12 | -139.38 | 3.77 | 0.00 | -4.995 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 16:15:00 | 66 | 3700.0 | 198.75 | 40.62 | -158.13 | 4.27 | 0.00 | -8.000 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 16:30:00 | 67 | 3700.0 | 181.0 | 9.38 | -171.62 | 4.64 | 0.00 | -8.000 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 16:45:00 | 68 | 3700.0 | 165.5 | 3.91 | -161.59 | 4.37 | 0.00 | 4.327 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 17:00:00 | 69 | 3700.0 | 150.75 | 17.97 | -132.78 | 3.59 | 0.00 | 0.532 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 17:15:00 | 70 | 3700.0 | 136.75 | 17.19 | -119.56 | 3.23 | 0.00 | -1.595 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 17:30:00 | 71 | 3700.0 | 123.25 | 10.94 | -112.31 | 3.04 | 0.00 | -2.658 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 17:45:00 | 72 | 3700.0 | 106.5 | 34.38 | -72.12 | 1.95 | 0.00 | -2.127 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 18:00:00 | 73 | 3700.0 | 90.75 | 6.25 | -84.5 | 2.28 | 0.00 | -1.461 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 18:15:00 | 74 | 3700.0 | 76.5 | 0.0 | -76.5 | 2.07 | 0.00 | 3.326 | 26.883350 |
| Kedgaon 132kV | 10/01/2020 18:30:00 | 75 | 3700.0 | 63.25 | 0.0 | -63.25 | 1.71 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kedgaon 132kV | 10/01/2020 18:45:00 | 76 | 3700.0 | 78.25 | 15.62 | -62.63 | 1.69 | 0.00 | 3.994 | 10.454483 |
| Kedgaon 132kV | 10/01/2020 19:00:00 | 77 | 3700.0 | 94.75 | 86.72 | -8.03 | 0.22 | 0.00 | -2.127 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 19:15:00 | 78 | 3700.0 | 112.75 | 87.5 | -25.25 | 0.68 | 0.00 | -2.658 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 19:30:00 | 79 | 3700.0 | 132.25 | 99.22 | -33.03 | 0.89 | 0.00 | -3.660 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 19:45:00 | 80 | 3700.0 | 4.5 | 40.62 | 36.12 | 0.98 | 0.00 | -3.326 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 20:00:00 | 81 | 3700.0 | 17.5 | 2.34 | -15.16 | 0.41 | 0.00 | 3.660 | 3.695533 |
| Kedgaon 132kV | 10/01/2020 20:15:00 | 82 | 3700.0 | 36.25 | 0.0 | -36.25 | 0.98 | 0.00 | 3.660 | 37.948349 |
| Kedgaon 132kV | 10/01/2020 20:30:00 | 83 | 3700.0 | 60.5 | 0.78 | -59.72 | 1.61 | 0.00 | 4.995 | 88.753456 |
| Kedgaon 132kV | 10/01/2020 20:45:00 | 84 | 3700.0 | 80.75 | 22.66 | -58.09 | 1.57 | 0.00 | 2.992 | 61.048439 |
| Kedgaon 132kV | 10/01/2020 21:00:00 | 85 | 3700.0 | 103.75 | 144.53 | 40.78 | 1.1 | 0.00 | -3.660 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 21:15:00 | 86 | 3700.0 | 486.25 | 221.09 | -265.16 | 7.17 | 0.00 | -1.595 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 21:30:00 | 87 | 3700.0 | 487.75 | 400.78 | -86.97 | 2.35 | 0.00 | -1.063 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 21:45:00 | 88 | 3700.0 | 479.75 | 401.56 | -78.19 | 2.11 | 0.00 | -0.532 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 22:00:00 | 89 | 3700.0 | 472.0 | 381.25 | -90.75 | 2.45 | 0.00 | -1.595 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 22:15:00 | 90 | 3700.0 | 464.25 | 498.44 | 34.19 | 0.92 | 0.00 | -2.127 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 22:30:00 | 91 | 3700.0 | 456.75 | 446.88 | -9.87 | 0.27 | 0.00 | 1.063 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 22:45:00 | 92 | 3700.0 | 429.25 | 572.66 | 143.41 | 3.88 | 0.00 | -2.658 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 23:00:00 | 93 | 3700.0 | 402.75 | 705.47 | 302.72 | 8.18 | 0.00 | -2.658 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 23:15:00 | 94 | 3700.0 | 377.25 | 576.56 | 199.31 | 5.39 | 0.00 | 0.000 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 23:30:00 | 95 | 3700.0 | 352.5 | 342.19 | -10.31 | 0.28 | 0.00 | 0.000 | 0.000000 |
| Kedgaon 132kV | 10/01/2020 23:45:00 | 96 | 3700.0 | 321.5 | 217.97 | -103.53 | 2.8 | 0.00 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kedgaon 132kV | 11/01/2020 00:00:00 | 1 | 3700.0 | 2.5 | 156.25 | 153.75 | 4.16 | 0.00 | 0.000 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 00:15:00 | 2 | 3700.0 | 264.0 | 181.25 | -82.75 | 2.24 | 0.00 | -2.629 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 00:30:00 | 3 | 3700.0 | 237.25 | 132.81 | -104.44 | 2.82 | 0.00 | -1.577 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 00:45:00 | 4 | 3700.0 | 214.0 | 200.0 | -14.0 | 0.38 | 0.00 | 2.103 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 01:00:00 | 5 | 3700.0 | 192.0 | 65.62 | -126.38 | 3.42 | 0.00 | 2.964 | 59.374977 |
| Kedgaon 132kV | 11/01/2020 01:15:00 | 6 | 3700.0 | 171.0 | 12.5 | -158.5 | 4.28 | 0.00 | 1.052 | 10.453365 |
| Kedgaon 132kV | 11/01/2020 01:30:00 | 7 | 3700.0 | 151.5 | 0.0 | -151.5 | 4.09 | 0.00 | 1.577 | 17.789092 |
| Kedgaon 132kV | 11/01/2020 01:45:00 | 8 | 3700.0 | 131.25 | 9.38 | -121.87 | 3.29 | 0.00 | -0.526 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 02:00:00 | 9 | 3700.0 | 112.75 | 8.59 | -104.16 | 2.82 | 0.00 | -0.403 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 02:15:00 | 10 | 3700.0 | 95.5 | 3.91 | -91.59 | 2.48 | 0.00 | -0.630 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 02:30:00 | 11 | 3700.0 | 79.75 | 160.16 | 80.41 | 2.17 | 0.00 | -0.526 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 02:45:00 | 12 | 3700.0 | 76.75 | 313.28 | 236.53 | 6.39 | 0.00 | -0.526 | -11.263733 |
| Kedgaon 132kV | 11/01/2020 03:00:00 | 13 | 3700.0 | 73.75 | 394.53 | 320.78 | 8.67 | 0.00 | -1.051 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 03:15:00 | 14 | 3700.0 | 70.75 | 490.62 | 419.87 | 11.35 | 0.00 | 0.000 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 03:30:00 | 15 | 3700.0 | 68.0 | 675.0 | 607.0 | 16.41 | 26.00 | 0.000 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 03:45:00 | 16 | 3700.0 | 70.25 | 814.06 | 743.81 | 20.1 | 94.41 | 0.000 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 04:00:00 | 17 | 3700.0 | 72.75 | 971.09 | 898.34 | 24.28 | 171.67 | 0.000 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 04:15:00 | 18 | 3700.0 | 75.25 | 1288.28 | 1213.03 | 32.78 | 473.03 | -1.051 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 04:30:00 | 19 | 3700.0 | 77.75 | 1634.38 | 1556.63 | 42.07 | 947.45 | -2.964 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 04:45:00 | 20 | 3700.0 | 84.5 | 1655.47 | 1570.97 | 42.46 | 968.96 | -3.300 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 05:00:00 | 21 | 3700.0 | 91.5 | 1446.09 | 1354.59 | 36.61 | 644.39 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kedgaon 132kV | 11/01/2020 05:15:00 | 22 | 3700.0 | 98.75 | 1375.78 | 1277.03 | 34.51 | 537.03 | 5.314 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 05:30:00 | 23 | 3700.0 | 106.25 | 1228.91 | 1122.66 | 30.34 | 382.66 | 2.964 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 05:45:00 | 24 | 3700.0 | 106.75 | 908.59 | 801.84 | 21.67 | 123.42 | 2.103 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 06:00:00 | 25 | 3700.0 | 107.25 | 778.12 | 670.87 | 18.13 | 57.94 | 3.636 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 06:15:00 | 26 | 3700.0 | 108.0 | 658.59 | 550.59 | 14.88 | 0.00 | 2.964 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 06:30:00 | 27 | 3700.0 | 108.5 | 649.22 | 540.72 | 14.61 | 0.00 | 4.105 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 06:45:00 | 28 | 3700.0 | 92.0 | 704.69 | 612.69 | 16.56 | 28.85 | 5.650 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 07:00:00 | 29 | 3700.0 | 76.75 | 874.22 | 797.47 | 21.55 | 121.24 | 3.300 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 07:15:00 | 30 | 3700.0 | 62.75 | 763.28 | 700.53 | 18.93 | 72.77 | 5.314 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 07:30:00 | 31 | 3700.0 | 44.0 | 582.03 | 538.03 | 14.54 | 0.00 | 2.964 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 07:45:00 | 32 | 3700.0 | 23.0 | 656.25 | 633.25 | 17.11 | 39.13 | 2.103 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 08:00:00 | 33 | 3700.0 | 7.75 | 581.25 | 573.5 | 15.5 | 9.25 | -1.577 | -20.548043 |
| Kedgaon 132kV | 11/01/2020 08:15:00 | 34 | 3700.0 | 2.5 | 529.69 | 527.19 | 14.25 | 0.00 | 3.300 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 08:30:00 | 35 | 3700.0 | 2.5 | 498.44 | 495.94 | 13.4 | 0.00 | 2.116 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 08:45:00 | 36 | 3700.0 | 0.75 | 343.75 | 343.0 | 9.27 | 0.00 | 2.964 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 09:00:00 | 37 | 3700.0 | 17.25 | 259.38 | 242.13 | 6.54 | 0.00 | 6.681 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 09:15:00 | 38 | 3700.0 | 44.25 | 265.62 | 221.37 | 5.98 | 0.00 | 6.657 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 09:30:00 | 39 | 3700.0 | 81.75 | 250.78 | 169.03 | 4.57 | 0.00 | -6.322 | -87.148990 |
| Kedgaon 132kV | 11/01/2020 09:45:00 | 40 | 3700.0 | 106.25 | 434.38 | 328.13 | 8.87 | 0.00 | -2.103 | -23.590895 |
| Kedgaon 132kV | 11/01/2020 10:00:00 | 41 | 3700.0 | 133.75 | 575.0 | 441.25 | 11.93 | 0.00 | 0.526 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 10:15:00 | 42 | 3700.0 | 164.25 | 472.66 | 308.41 | 8.34 | 0.00 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kedgaon 132kV | 11/01/2020 10:30:00 | 43 | 3700.0 | 198.25 | 487.5 | 289.25 | 7.82 | 0.00 | 0.000 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 10:45:00 | 44 | 3700.0 | 184.75 | 500.0 | 315.25 | 8.52 | 0.00 | 0.000 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 11:00:00 | 45 | 3700.0 | 171.75 | 569.53 | 397.78 | 10.75 | 0.00 | 0.000 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 11:15:00 | 46 | 3700.0 | 159.25 | 553.12 | 393.87 | 10.65 | 0.00 | -2.964 | -44.432761 |
| Kedgaon 132kV | 11/01/2020 11:30:00 | 47 | 3700.0 | 147.25 | 561.72 | 414.47 | 11.2 | 0.00 | -4.307 | -101.485384 |
| Kedgaon 132kV | 11/01/2020 11:45:00 | 48 | 3700.0 | 113.75 | 504.69 | 390.94 | 10.57 | 0.00 | -3.300 | -54.907564 |
| Kedgaon 132kV | 11/01/2020 12:00:00 | 49 | 3700.0 | 84.5 | 551.56 | 467.06 | 12.62 | 0.00 | -0.526 | -1.840419 |
| Kedgaon 132kV | 11/01/2020 12:15:00 | 50 | 3700.0 | 59.5 | 551.56 | 492.06 | 13.3 | 0.00 | -2.103 | -2.636705 |
| Kedgaon 132kV | 11/01/2020 12:30:00 | 51 | 3700.0 | 38.75 | 431.25 | 392.5 | 10.61 | 0.00 | -2.629 | -26.742129 |
| Kedgaon 132kV | 11/01/2020 12:45:00 | 52 | 3700.0 | 20.5 | 355.47 | 334.97 | 9.05 | 0.00 | -2.629 | -43.731770 |
| Kedgaon 132kV | 11/01/2020 13:00:00 | 53 | 3700.0 | 7.0 | 210.16 | 203.16 | 5.49 | 0.00 | 0.000 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 13:15:00 | 54 | 3700.0 | 2.5 | 199.22 | 196.72 | 5.32 | 0.00 | -2.103 | -22.667906 |
| Kedgaon 132kV | 11/01/2020 13:30:00 | 55 | 3700.0 | 2.5 | 257.81 | 255.31 | 6.9 | 0.00 | 2.629 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 13:45:00 | 56 | 3700.0 | 2.5 | 178.91 | 176.41 | 4.77 | 0.00 | 2.103 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 14:00:00 | 57 | 3700.0 | 2.5 | 37.5 | 35.0 | 0.95 | 0.00 | 1.051 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 14:15:00 | 58 | 3700.0 | 2.5 | 17.19 | 14.69 | 0.4 | 0.00 | 3.300 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 14:30:00 | 59 | 3700.0 | 2.5 | 0.0 | -2.5 | 0.07 | 0.00 | -3.636 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 14:45:00 | 60 | 3700.0 | 2.5 | 0.0 | -2.5 | 0.07 | 0.00 | 4.979 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 15:00:00 | 61 | 3700.0 | 2.5 | 0.0 | -2.5 | 0.07 | 0.00 | -2.964 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 15:15:00 | 62 | 3700.0 | 2.5 | 0.0 | -2.5 | 0.07 | 0.00 | -5.314 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 15:30:00 | 63 | 3700.0 | 2.5 | 0.0 | -2.5 | 0.07 | 0.00 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kedgaon 132kV | 11/01/2020 15:45:00 | 64 | 3700.0 | 2.5 | 19.53 | 17.03 | 0.46 | 0.00 | 4.643 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 16:00:00 | 65 | 3700.0 | 2.5 | 70.31 | 67.81 | 1.83 | 0.00 | 2.103 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 16:15:00 | 66 | 3700.0 | 2.5 | 23.44 | 20.94 | 0.57 | 0.00 | -2.964 | -2.224418 |
| Kedgaon 132kV | 11/01/2020 16:30:00 | 67 | 3700.0 | 2.5 | 0.78 | -1.72 | 0.05 | 0.00 | -2.103 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 16:45:00 | 68 | 3700.0 | 2.5 | 5.47 | 2.97 | 0.08 | 0.00 | 3.972 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 17:00:00 | 69 | 3700.0 | 2.5 | 0.0 | -2.5 | 0.07 | 0.00 | -1.577 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 17:15:00 | 70 | 3700.0 | 2.5 | 0.0 | -2.5 | 0.07 | 0.00 | -1.577 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 17:30:00 | 71 | 3700.0 | 2.5 | 0.0 | -2.5 | 0.07 | 0.00 | 1.051 | 0.031898 |
| Kedgaon 132kV | 11/01/2020 17:45:00 | 72 | 3700.0 | 12.0 | 27.34 | 15.34 | 0.41 | 0.00 | -2.103 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 18:00:00 | 73 | 3700.0 | 38.0 | 3.91 | -34.09 | 0.92 | 0.00 | -2.964 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 18:15:00 | 74 | 3700.0 | 76.25 | 0.0 | -76.25 | 2.06 | 0.00 | -2.629 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 18:30:00 | 75 | 3700.0 | 127.25 | 0.0 | -127.25 | 3.44 | 0.00 | 2.103 | 4.473154 |
| Kedgaon 132kV | 11/01/2020 18:45:00 | 76 | 3700.0 | 188.0 | 0.0 | -188.0 | 5.08 | 0.00 | 0.526 | 19.350240 |
| Kedgaon 132kV | 11/01/2020 19:00:00 | 77 | 3700.0 | 261.0 | 2.34 | -258.66 | 6.99 | 0.00 | 2.103 | 105.739339 |
| Kedgaon 132kV | 11/01/2020 19:15:00 | 78 | 3700.0 | 347.0 | 1.56 | -345.44 | 9.34 | 0.00 | -1.052 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 19:30:00 | 79 | 3700.0 | 446.5 | 0.0 | -446.5 | 12.07 | 0.00 | 2.964 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 19:45:00 | 80 | 3700.0 | 431.0 | 0.0 | -431.0 | 11.65 | 0.00 | 2.629 | 320.593716 |
| Kedgaon 132kV | 11/01/2020 20:00:00 | 81 | 3700.0 | 415.75 | 0.0 | -415.75 | 11.24 | 0.00 | 2.629 | 67.613725 |
| Kedgaon 132kV | 11/01/2020 20:15:00 | 82 | 3700.0 | 401.0 | 0.0 | -401.0 | 10.84 | 0.00 | 4.307 | 215.046395 |
| Kedgaon 132kV | 11/01/2020 20:30:00 | 83 | 3700.0 | 386.25 | 0.0 | -386.25 | 10.44 | 0.00 | 2.964 | 531.098096 |
| Kedgaon 132kV | 11/01/2020 20:45:00 | 84 | 3700.0 | 353.0 | 0.0 | -353.0 | 9.54 | 0.00 | 2.629 | 416.646931 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kedgaon 132kV | 11/01/2020 21:00:00 | 85 | 3700.0 | 321.5 | 0.0 | -321.5 | 8.69 | 0.00 | 3.636 | 68.919326 |
| Kedgaon 132kV | 11/01/2020 21:15:00 | 86 | 3700.0 | 291.5 | 46.88 | -244.62 | 6.61 | 0.00 | -1.577 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 21:30:00 | 87 | 3700.0 | 263.0 | 132.81 | -130.19 | 3.52 | 0.00 | -1.577 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 21:45:00 | 88 | 3700.0 | 234.25 | 155.47 | -78.78 | 2.13 | 0.00 | -1.052 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 22:00:00 | 89 | 3700.0 | 207.25 | 176.56 | -30.69 | 0.83 | 0.00 | -5.650 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 22:15:00 | 90 | 3700.0 | 182.0 | 165.62 | -16.38 | 0.44 | 0.00 | -5.650 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 22:30:00 | 91 | 3700.0 | 158.5 | 189.06 | 30.56 | 0.83 | 0.00 | 4.979 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 22:45:00 | 92 | 3700.0 | 112.5 | 303.91 | 191.41 | 5.17 | 0.00 | 2.964 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 23:00:00 | 93 | 3700.0 | 74.25 | 402.34 | 328.09 | 8.87 | 0.00 | 1.577 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 23:15:00 | 94 | 3700.0 | 43.75 | 303.12 | 259.37 | 7.01 | 0.00 | 1.074 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 23:30:00 | 95 | 3700.0 | 20.75 | 236.72 | 215.97 | 5.84 | 0.00 | 2.113 | 0.000000 |
| Kedgaon 132kV | 11/01/2020 23:45:00 | 96 | 3700.0 | 2.5 | 339.06 | 336.56 | 9.1 | 0.00 | 2.162 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 00:00:00 | 1 | 3700.0 | 9.0 | 431.25 | 422.25 | 11.41 | 0.00 | 3.022 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 00:15:00 | 2 | 3700.0 | 3.5 | 421.88 | 418.38 | 11.31 | 0.00 | -2.152 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 00:30:00 | 3 | 3700.0 | 4.25 | 400.0 | 395.75 | 10.7 | 0.00 | -2.152 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 00:45:00 | 4 | 3700.0 | 4.5 | 505.47 | 500.97 | 13.54 | 0.00 | -3.022 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 01:00:00 | 5 | 3700.0 | 5.0 | 571.88 | 566.88 | 15.32 | 5.94 | -0.629 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 01:15:00 | 6 | 3700.0 | 5.25 | 593.75 | 588.5 | 15.91 | 16.75 | -3.317 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 01:30:00 | 7 | 3700.0 | 5.5 | 585.94 | 580.44 | 15.69 | 12.72 | -3.354 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 01:45:00 | 8 | 3700.0 | 7.0 | 634.38 | 627.38 | 16.96 | 36.19 | -3.022 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 02:00:00 | 9 | 3700.0 | 6.5 | 638.28 | 631.78 | 17.08 | 38.39 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kedgaon 132kV | 12/01/2020 02:15:00 | 10 | 3700.0 | 4.75 | 617.19 | 612.44 | 16.55 | 28.72 | -3.022 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 02:30:00 | 11 | 3700.0 | 2.25 | 642.97 | 640.72 | 17.32 | 42.86 | -2.690 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 02:45:00 | 12 | 3700.0 | 2.5 | 603.12 | 600.62 | 16.23 | 22.81 | -3.022 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 03:00:00 | 13 | 3700.0 | 2.5 | 592.97 | 590.47 | 15.96 | 17.74 | 3.354 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 03:15:00 | 14 | 3700.0 | 2.5 | 616.41 | 613.91 | 16.59 | 29.46 | 3.022 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 03:30:00 | 15 | 3700.0 | 2.5 | 496.88 | 494.38 | 13.36 | 0.00 | 3.354 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 03:45:00 | 16 | 3700.0 | 2.5 | 439.06 | 436.56 | 11.8 | 0.00 | 2.152 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 04:00:00 | 17 | 3700.0 | 2.5 | 503.12 | 500.62 | 13.53 | 0.00 | -2.152 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 04:15:00 | 18 | 3700.0 | 2.5 | 517.19 | 514.69 | 13.91 | 0.00 | -3.022 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 04:30:00 | 19 | 3700.0 | 2.5 | 464.84 | 462.34 | 12.5 | 0.00 | 1.076 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 04:45:00 | 20 | 3700.0 | 2.5 | 400.78 | 398.28 | 10.76 | 0.00 | -3.022 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 05:00:00 | 21 | 3700.0 | 5.5 | 341.41 | 335.91 | 9.08 | 0.00 | 3.686 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 05:15:00 | 22 | 3700.0 | 16.5 | 357.81 | 341.31 | 9.22 | 0.00 | 3.686 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 05:30:00 | 23 | 3700.0 | 31.0 | 364.84 | 333.84 | 9.02 | 0.00 | -1.614 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 05:45:00 | 24 | 3700.0 | 19.5 | 366.41 | 346.91 | 9.38 | 0.00 | -0.496 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 06:00:00 | 25 | 3700.0 | 10.25 | 331.25 | 321.0 | 8.68 | 0.00 | 0.000 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 06:15:00 | 26 | 3700.0 | 3.0 | 285.94 | 282.94 | 7.65 | 0.00 | -0.430 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 06:30:00 | 27 | 3700.0 | 2.5 | 289.06 | 286.56 | 7.74 | 0.00 | -2.152 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 06:45:00 | 28 | 3700.0 | 2.5 | 303.12 | 300.62 | 8.12 | 0.00 | 4.681 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 07:00:00 | 29 | 3700.0 | 2.5 | 245.31 | 242.81 | 6.56 | 0.00 | 1.614 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 07:15:00 | 30 | 3700.0 | 2.5 | 377.34 | 374.84 | 10.13 | 0.00 | 3.838 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kedgaon 132kV | 12/01/2020 07:30:00 | 31 | 3700.0 | 72.75 | 243.75 | 171.0 | 4.62 | 0.00 | 3.022 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 07:45:00 | 32 | 3700.0 | 50.5 | 182.81 | 132.31 | 3.58 | 0.00 | 2.690 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 08:00:00 | 33 | 3700.0 | 32.0 | 200.0 | 168.0 | 4.54 | 0.00 | -2.690 | -89.747711 |
| Kedgaon 132kV | 12/01/2020 08:15:00 | 34 | 3700.0 | 17.5 | 120.31 | 102.81 | 2.78 | 0.00 | -4.018 | -50.634683 |
| Kedgaon 132kV | 12/01/2020 08:30:00 | 35 | 3700.0 | 6.5 | 75.78 | 69.28 | 1.87 | 0.00 | -2.690 | -3.290411 |
| Kedgaon 132kV | 12/01/2020 08:45:00 | 36 | 3700.0 | 15.5 | 132.03 | 116.53 | 3.15 | 0.00 | 3.022 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 09:00:00 | 37 | 3700.0 | 27.0 | 220.31 | 193.31 | 5.22 | 0.00 | -3.354 | -24.855299 |
| Kedgaon 132kV | 12/01/2020 09:15:00 | 38 | 3700.0 | 41.0 | 275.0 | 234.0 | 6.32 | 0.00 | -4.350 | -8.461398 |
| Kedgaon 132kV | 12/01/2020 09:30:00 | 39 | 3700.0 | 58.0 | 206.25 | 148.25 | 4.01 | 0.00 | 2.152 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 09:45:00 | 40 | 3700.0 | 93.0 | 176.56 | 83.56 | 2.26 | 0.00 | -2.690 | -4.720063 |
| Kedgaon 132kV | 12/01/2020 10:00:00 | 41 | 3700.0 | 136.25 | 178.12 | 41.87 | 1.13 | 0.00 | -3.354 | -1.548924 |
| Kedgaon 132kV | 12/01/2020 10:15:00 | 42 | 3700.0 | 188.0 | 267.19 | 79.19 | 2.14 | 0.00 | -3.686 | -4.184958 |
| Kedgaon 132kV | 12/01/2020 10:30:00 | 43 | 3700.0 | 248.25 | 249.22 | 0.97 | 0.03 | 0.00 | -1.614 | -0.032581 |
| Kedgaon 132kV | 12/01/2020 10:45:00 | 44 | 3700.0 | 230.0 | 227.34 | -2.66 | 0.07 | 0.00 | 3.686 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 11:00:00 | 45 | 3700.0 | 212.25 | 183.59 | -28.66 | 0.77 | 0.00 | -3.354 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 11:15:00 | 46 | 3700.0 | 195.5 | 101.56 | -93.94 | 2.54 | 0.00 | -5.450 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 11:30:00 | 47 | 3700.0 | 179.5 | 90.62 | -88.88 | 2.4 | 0.00 | -6.009 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 11:45:00 | 48 | 3700.0 | 152.5 | 57.81 | -94.69 | 2.56 | 0.00 | 2.690 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 12:00:00 | 49 | 3700.0 | 127.75 | 21.88 | -105.87 | 2.86 | 0.00 | 3.686 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 12:15:00 | 50 | 3700.0 | 105.25 | 2.34 | -102.91 | 2.78 | 0.00 | -5.345 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 12:30:00 | 51 | 3700.0 | 85.0 | 0.0 | -85.0 | 2.3 | 0.00 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kedgaon 132kV | 12/01/2020 12:45:00 | 52 | 3700.0 | 72.0 | 11.72 | -60.28 | 1.63 | 0.00 | -5.345 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 13:00:00 | 53 | 3700.0 | 60.25 | 2.34 | -57.91 | 1.57 | 0.00 | -3.999 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 13:15:00 | 54 | 3700.0 | 49.25 | 0.0 | -49.25 | 1.33 | 0.00 | -4.350 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 13:30:00 | 55 | 3700.0 | 39.5 | 0.0 | -39.5 | 1.07 | 0.00 | -1.076 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 13:45:00 | 56 | 3700.0 | 30.0 | 0.0 | -30.0 | 0.81 | 0.00 | -2.690 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 14:00:00 | 57 | 3700.0 | 21.75 | 0.78 | -20.97 | 0.57 | 0.00 | -0.538 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 14:15:00 | 58 | 3700.0 | 14.5 | 0.0 | -14.5 | 0.39 | 0.00 | -2.152 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 14:30:00 | 59 | 3700.0 | 8.25 | 0.0 | -8.25 | 0.22 | 0.00 | -2.690 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 14:45:00 | 60 | 3700.0 | 6.75 | 0.0 | -6.75 | 0.18 | 0.00 | -1.076 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 15:00:00 | 61 | 3700.0 | 5.25 | 1.56 | -3.69 | 0.1 | 0.00 | 0.000 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 15:15:00 | 62 | 3700.0 | 4.0 | 0.0 | -4.0 | 0.11 | 0.00 | -2.690 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 15:30:00 | 63 | 3700.0 | 2.5 | 0.0 | -2.5 | 0.07 | 0.00 | -3.022 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 15:45:00 | 64 | 3700.0 | 1.25 | 0.0 | -1.25 | 0.03 | 0.00 | -3.686 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 16:00:00 | 65 | 3700.0 | 0.25 | 0.0 | -0.25 | 0.01 | 0.00 | -3.737 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 16:15:00 | 66 | 3700.0 | 2.5 | 0.0 | -2.5 | 0.07 | 0.00 | -5.786 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 16:30:00 | 67 | 3700.0 | 2.5 | 0.0 | -2.5 | 0.07 | 0.00 | -4.350 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 16:45:00 | 68 | 3700.0 | 7.75 | 0.0 | -7.75 | 0.21 | 0.00 | -1.614 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 17:00:00 | 69 | 3700.0 | 22.75 | 0.0 | -22.75 | 0.61 | 0.00 | 0.000 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 17:15:00 | 70 | 3700.0 | 43.75 | 0.0 | -43.75 | 1.18 | 0.00 | 2.690 | 11.342336 |
| Kedgaon 132kV | 12/01/2020 17:30:00 | 71 | 3700.0 | 70.75 | 0.0 | -70.75 | 1.91 | 0.00 | -3.022 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 17:45:00 | 72 | 3700.0 | 116.75 | 0.0 | -116.75 | 3.16 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kedgaon 132kV | 12/01/2020 18:00:00 | 73 | 3700.0 | 174.0 | 0.0 | -174.0 | 4.7 | 0.00 | -0.538 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 18:15:00 | 74 | 3700.0 | 243.25 | 0.0 | -243.25 | 6.57 | 0.00 | -4.350 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 18:30:00 | 75 | 3700.0 | 324.5 | 0.78 | -323.72 | 8.75 | 0.00 | 2.690 | 55.668548 |
| Kedgaon 132kV | 12/01/2020 18:45:00 | 76 | 3700.0 | 314.75 | 0.0 | -314.75 | 8.51 | 0.00 | 3.022 | 348.700866 |
| Kedgaon 132kV | 12/01/2020 19:00:00 | 77 | 3700.0 | 305.0 | 0.0 | -305.0 | 8.24 | 0.00 | 3.686 | 108.536388 |
| Kedgaon 132kV | 12/01/2020 19:15:00 | 78 | 3700.0 | 295.25 | 0.0 | -295.25 | 7.98 | 0.00 | 2.690 | 6.236583 |
| Kedgaon 132kV | 12/01/2020 19:30:00 | 79 | 3700.0 | 42.5 | 0.0 | -42.5 | 1.15 | 0.00 | -3.022 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 19:45:00 | 80 | 3700.0 | 34.75 | 0.0 | -34.75 | 0.94 | 0.00 | -1.781 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 20:00:00 | 81 | 3700.0 | 27.5 | 0.0 | -27.5 | 0.74 | 0.00 | -3.021 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 20:15:00 | 82 | 3700.0 | 21.25 | 0.0 | -21.25 | 0.57 | 0.00 | -4.018 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 20:30:00 | 83 | 3700.0 | 15.5 | 0.0 | -15.5 | 0.42 | 0.00 | -3.354 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 20:45:00 | 84 | 3700.0 | 2.5 | 0.0 | -2.5 | 0.07 | 0.00 | -1.614 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 21:00:00 | 85 | 3700.0 | 2.5 | 0.0 | -2.5 | 0.07 | 0.00 | -4.350 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 21:15:00 | 86 | 3700.0 | 2.5 | 0.0 | -2.5 | 0.07 | 0.00 | -3.686 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 21:30:00 | 87 | 3700.0 | 4.5 | 0.0 | -4.5 | 0.12 | 0.00 | -1.614 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 21:45:00 | 88 | 3700.0 | 7.0 | 0.0 | -7.0 | 0.19 | 0.00 | 0.000 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 22:00:00 | 89 | 3700.0 | 5.25 | 0.0 | -5.25 | 0.14 | 0.00 | -3.354 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 22:15:00 | 90 | 3700.0 | 2.5 | 0.0 | -2.5 | 0.07 | 0.00 | 4.350 | 3.052339 |
| Kedgaon 132kV | 12/01/2020 22:30:00 | 91 | 3700.0 | 2.5 | 0.0 | -2.5 | 0.07 | 0.00 | 5.215 | 5.756678 |
| Kedgaon 132kV | 12/01/2020 22:45:00 | 92 | 3700.0 | 2.5 | 6.25 | 3.75 | 0.1 | 0.00 | 3.022 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 23:00:00 | 93 | 3700.0 | 6.75 | 46.09 | 39.34 | 1.06 | 0.00 | 3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kedgaon 132kV | 12/01/2020 23:15:00 | 94 | 3700.0 | 5.75 | 44.53 | 38.78 | 1.05 | 0.00 | 2.152 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 23:30:00 | 95 | 3700.0 | 0.75 | 52.34 | 51.59 | 1.39 | 0.00 | 2.152 | 0.000000 |
| Kedgaon 132kV | 12/01/2020 23:45:00 | 96 | 3700.0 | 2.5 | 50.0 | 47.5 | 1.28 | 0.00 | 2.152 | 0.000000 |
| Khandke 132kV | 06/01/2020 00:00:00 | 1 | 27000.0 | 3882.5 | 7413.28 | 3530.78 | 13.08 | 0.00 | 2.903 | 0.000000 |
| Khandke 132kV | 06/01/2020 00:15:00 | 2 | 27000.0 | 3910.0 | 7267.19 | 3357.19 | 12.43 | 0.00 | 0.000 | 0.000000 |
| Khandke 132kV | 06/01/2020 00:30:00 | 3 | 27000.0 | 3925.0 | 7673.44 | 3748.44 | 13.88 | 0.00 | 0.000 | 0.000000 |
| Khandke 132kV | 06/01/2020 00:45:00 | 4 | 27000.0 | 3915.0 | 8177.34 | 4262.34 | 15.79 | 106.17 | -0.984 | 0.000000 |
| Khandke 132kV | 06/01/2020 01:00:00 | 5 | 27000.0 | 3932.5 | 8800.0 | 4867.5 | 18.03 | 408.75 | -3.541 | 0.000000 |
| Khandke 132kV | 06/01/2020 01:15:00 | 6 | 27000.0 | 3860.0 | 8674.22 | 4814.22 | 17.83 | 382.11 | 3.222 | 0.000000 |
| Khandke 132kV | 06/01/2020 01:30:00 | 7 | 27000.0 | 9112.5 | 9827.34 | 714.84 | 2.65 | 0.00 | 3.541 | 0.000000 |
| Khandke 132kV | 06/01/2020 01:45:00 | 8 | 27000.0 | 9030.0 | 11190.63 | 2160.63 | 8.0 | 0.00 | 2.352 | 0.000000 |
| Khandke 132kV | 06/01/2020 02:00:00 | 9 | 27000.0 | 8972.5 | 12335.16 | 3362.66 | 12.45 | 0.00 | 1.747 | 0.000000 |
| Khandke 132kV | 06/01/2020 02:15:00 | 10 | 27000.0 | 8862.5 | 12796.87 | 3934.37 | 14.57 | 0.00 | 0.581 | 0.000000 |
| Khandke 132kV | 06/01/2020 02:30:00 | 11 | 27000.0 | 8830.0 | 12158.59 | 3328.59 | 12.33 | 0.00 | -2.323 | 0.000000 |
| Khandke 132kV | 06/01/2020 02:45:00 | 12 | 27000.0 | 6562.5 | 11132.03 | 4569.53 | 16.92 | 259.77 | 2.323 | 0.000000 |
| Khandke 132kV | 06/01/2020 03:00:00 | 13 | 27000.0 | 6632.5 | 10924.22 | 4291.72 | 15.9 | 120.86 | 2.323 | 0.000000 |
| Khandke 132kV | 06/01/2020 03:15:00 | 14 | 27000.0 | 6660.0 | 11007.03 | 4347.03 | 16.1 | 148.52 | -1.742 | -130.912300 |
| Khandke 132kV | 06/01/2020 03:30:00 | 15 | 27000.0 | 6675.0 | 11665.63 | 4990.63 | 18.48 | 470.32 | 3.222 | 0.000000 |
| Khandke 132kV | 06/01/2020 03:45:00 | 16 | 27000.0 | 6665.0 | 12128.91 | 5463.91 | 20.24 | 706.96 | 3.541 | 0.000000 |
| Khandke 132kV | 06/01/2020 04:00:00 | 17 | 27000.0 | 6682.5 | 12386.72 | 5704.22 | 21.13 | 827.11 | 4.496 | 0.000000 |
| Khandke 132kV | 06/01/2020 04:15:00 | 18 | 27000.0 | 6610.0 | 12714.06 | 6104.06 | 22.61 | 1027.03 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khandke 132kV | 06/01/2020 04:30:00 | 19 | 27000.0 | 6600.0 | 12607.03 | 6007.03 | 22.25 | 978.52 | 3.859 | 0.000000 |
| Khandke 132kV | 06/01/2020 04:45:00 | 20 | 27000.0 | 6597.5 | 12555.47 | 5957.97 | 22.07 | 953.99 | 4.815 | 0.000000 |
| Khandke 132kV | 06/01/2020 05:00:00 | 21 | 27000.0 | 6642.5 | 12964.06 | 6321.56 | 23.41 | 1135.78 | 3.859 | 0.000000 |
| Khandke 132kV | 06/01/2020 05:15:00 | 22 | 27000.0 | 6632.5 | 12517.97 | 5885.47 | 21.8 | 917.74 | 6.407 | 0.000000 |
| Khandke 132kV | 06/01/2020 05:30:00 | 23 | 27000.0 | 6630.0 | 11577.34 | 4947.34 | 18.32 | 448.67 | 6.496 | 0.000000 |
| Khandke 132kV | 06/01/2020 05:45:00 | 24 | 27000.0 | 8125.0 | 10478.91 | 2353.91 | 8.72 | 0.00 | 7.492 | 0.000000 |
| Khandke 132kV | 06/01/2020 06:00:00 | 25 | 27000.0 | 8132.5 | 10860.16 | 2727.66 | 10.1 | 0.00 | -5.452 | 0.000000 |
| Khandke 132kV | 06/01/2020 06:15:00 | 26 | 27000.0 | 8115.0 | 10712.5 | 2597.5 | 9.62 | 0.00 | -6.089 | 0.000000 |
| Khandke 132kV | 06/01/2020 06:30:00 | 27 | 27000.0 | 8040.0 | 10061.72 | 2021.72 | 7.49 | 0.00 | -7.044 | 0.000000 |
| Khandke 132kV | 06/01/2020 06:45:00 | 28 | 27000.0 | 8065.0 | 9382.81 | 1317.81 | 4.88 | 0.00 | 7.682 | 0.000000 |
| Khandke 132kV | 06/01/2020 07:00:00 | 29 | 27000.0 | 8170.0 | 8218.75 | 48.75 | 0.18 | 0.00 | -3.859 | 0.000000 |
| Khandke 132kV | 06/01/2020 07:15:00 | 30 | 27000.0 | 7660.0 | 7229.69 | -430.31 | 1.59 | 0.00 | 4.815 | 213.656702 |
| Khandke 132kV | 06/01/2020 07:30:00 | 31 | 27000.0 | 7632.5 | 7025.78 | -606.72 | 2.25 | 0.00 | 4.178 | 0.000000 |
| Khandke 132kV | 06/01/2020 07:45:00 | 32 | 27000.0 | 7710.0 | 6321.87 | -1388.13 | 5.14 | 0.00 | -3.540 | 0.000000 |
| Khandke 132kV | 06/01/2020 08:00:00 | 33 | 27000.0 | 7635.0 | 6478.91 | -1156.09 | 4.28 | 0.00 | -3.859 | 0.000000 |
| Khandke 132kV | 06/01/2020 08:15:00 | 34 | 27000.0 | 7660.0 | 7328.12 | -331.88 | 1.23 | 0.00 | -5.452 | 0.000000 |
| Khandke 132kV | 06/01/2020 08:30:00 | 35 | 27000.0 | 7625.0 | 6547.66 | -1077.34 | 3.99 | 0.00 | 4.178 | 0.000000 |
| Khandke 132kV | 06/01/2020 08:45:00 | 36 | 27000.0 | 7632.5 | 5207.03 | -2425.47 | 8.98 | 0.00 | -3.859 | 0.000000 |
| Khandke 132kV | 06/01/2020 09:00:00 | 37 | 27000.0 | 7615.0 | 5058.6 | -2556.4 | 9.47 | 0.00 | -6.407 | 0.000000 |
| Khandke 132kV | 06/01/2020 09:15:00 | 38 | 27000.0 | 3790.0 | 4765.63 | 975.63 | 3.61 | 0.00 | -8.000 | -155.119905 |
| Khandke 132kV | 06/01/2020 09:30:00 | 39 | 27000.0 | 3815.0 | 3869.53 | 54.53 | 0.2 | 0.00 | -5.770 | -3.753403 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khandke 132kV | 06/01/2020 09:45:00 | 40 | 27000.0 | 3920.0 | 3110.15 | -809.85 | 3.0 | 0.00 | 3.222 | 0.000000 |
| Khandke 132kV | 06/01/2020 10:00:00 | 41 | 27000.0 | 3910.0 | 2846.88 | -1063.12 | 3.94 | 0.00 | -2.903 | 0.000000 |
| Khandke 132kV | 06/01/2020 10:15:00 | 42 | 27000.0 | 3882.5 | 2324.22 | -1558.28 | 5.77 | 0.00 | -3.222 | 0.000000 |
| Khandke 132kV | 06/01/2020 10:30:00 | 43 | 27000.0 | 3960.0 | 2092.19 | -1867.81 | 6.92 | 0.00 | 4.815 | 0.000000 |
| Khandke 132kV | 06/01/2020 10:45:00 | 44 | 27000.0 | 3840.0 | 2615.62 | -1224.38 | 4.53 | 0.00 | 4.496 | 0.000000 |
| Khandke 132kV | 06/01/2020 11:00:00 | 45 | 27000.0 | 3807.5 | 3185.94 | -621.56 | 2.3 | 0.00 | 16.000 | 0.000000 |
| Khandke 132kV | 06/01/2020 11:15:00 | 46 | 27000.0 | 4002.5 | 3443.75 | -558.75 | 2.07 | 0.00 | 5.133 | 0.000000 |
| Khandke 132kV | 06/01/2020 11:30:00 | 47 | 27000.0 | 4010.0 | 3504.69 | -505.31 | 1.87 | 0.00 | 1.182 | 0.000000 |
| Khandke 132kV | 06/01/2020 11:45:00 | 48 | 27000.0 | 3992.5 | 3651.56 | -340.94 | 1.26 | 0.00 | 6.308 | 0.000000 |
| Khandke 132kV | 06/01/2020 12:00:00 | 49 | 27000.0 | 3917.5 | 3432.81 | -484.69 | 1.8 | 0.00 | 6.598 | 0.000000 |
| Khandke 132kV | 06/01/2020 12:15:00 | 50 | 27000.0 | 3942.5 | 3346.88 | -595.62 | 2.21 | 0.00 | 5.431 | 0.000000 |
| Khandke 132kV | 06/01/2020 12:30:00 | 51 | 27000.0 | 4047.5 | 3543.75 | -503.75 | 1.87 | 0.00 | 3.540 | 0.000000 |
| Khandke 132kV | 06/01/2020 12:45:00 | 52 | 27000.0 | 4037.5 | 3667.97 | -369.53 | 1.37 | 0.00 | -2.903 | 0.000000 |
| Khandke 132kV | 06/01/2020 13:00:00 | 53 | 27000.0 | 4010.0 | 3687.5 | -322.5 | 1.19 | 0.00 | -1.161 | 0.000000 |
| Khandke 132kV | 06/01/2020 13:15:00 | 54 | 27000.0 | 4037.5 | 3041.41 | -996.09 | 3.69 | 0.00 | 3.859 | 0.000000 |
| Khandke 132kV | 06/01/2020 13:30:00 | 55 | 27000.0 | 4052.5 | 2925.0 | -1127.5 | 4.18 | 0.00 | -6.407 | 0.000000 |
| Khandke 132kV | 06/01/2020 13:45:00 | 56 | 27000.0 | 4042.5 | 2532.03 | -1510.47 | 5.59 | 0.00 | 5.452 | 0.000000 |
| Khandke 132kV | 06/01/2020 14:00:00 | 57 | 27000.0 | 4060.0 | 2230.47 | -1829.53 | 6.78 | 0.00 | 5.452 | 0.000000 |
| Khandke 132kV | 06/01/2020 14:15:00 | 58 | 27000.0 | 3987.5 | 1892.97 | -2094.53 | 7.76 | 0.00 | 16.000 | 0.000000 |
| Khandke 132kV | 06/01/2020 14:30:00 | 59 | 27000.0 | 3977.5 | 1746.09 | -2231.41 | 8.26 | 0.00 | 6.035 | 0.000000 |
| Khandke 132kV | 06/01/2020 14:45:00 | 60 | 27000.0 | 3975.0 | 2024.22 | -1950.78 | 7.23 | 0.00 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khandke 132kV | 06/01/2020 15:00:00 | 61 | 27000.0 | 3970.0 | 1842.97 | -2127.03 | 7.88 | 0.00 | 3.367 | 0.000000 |
| Khandke 132kV | 06/01/2020 15:15:00 | 62 | 27000.0 | 3977.5 | 1767.97 | -2209.53 | 8.18 | 0.00 | 3.904 | 0.000000 |
| Khandke 132kV | 06/01/2020 15:30:00 | 63 | 27000.0 | 3960.0 | 1317.97 | -2642.03 | 9.79 | 0.00 | 4.482 | 0.000000 |
| Khandke 132kV | 06/01/2020 15:45:00 | 64 | 27000.0 | 3885.0 | 1399.22 | -2485.78 | 9.21 | 0.00 | 4.225 | 0.000000 |
| Khandke 132kV | 06/01/2020 16:00:00 | 65 | 27000.0 | 3910.0 | 1461.72 | -2448.28 | 9.07 | 0.00 | 2.895 | 0.000000 |
| Khandke 132kV | 06/01/2020 16:15:00 | 66 | 27000.0 | 3770.0 | 1385.94 | -2384.06 | 8.83 | 0.00 | 6.089 | 0.000000 |
| Khandke 132kV | 06/01/2020 16:30:00 | 67 | 27000.0 | 4020.0 | 1239.84 | -2780.16 | 10.3 | 0.00 | -8.000 | 0.000000 |
| Khandke 132kV | 06/01/2020 16:45:00 | 68 | 27000.0 | 4010.0 | 1351.56 | -2658.44 | 9.85 | 0.00 | -4.178 | 0.000000 |
| Khandke 132kV | 06/01/2020 17:00:00 | 69 | 27000.0 | 4007.5 | 1342.19 | -2665.31 | 9.87 | 0.00 | 1.742 | 0.000000 |
| Khandke 132kV | 06/01/2020 17:15:00 | 70 | 27000.0 | 4002.5 | 992.97 | -3009.53 | 11.15 | 0.00 | 2.903 | 0.000000 |
| Khandke 132kV | 06/01/2020 17:30:00 | 71 | 27000.0 | 4010.0 | 668.75 | -3341.25 | 12.38 | 0.00 | -4.178 | 0.000000 |
| Khandke 132kV | 06/01/2020 17:45:00 | 72 | 27000.0 | 3992.5 | 430.47 | -3562.03 | 13.19 | 0.00 | -2.323 | 0.000000 |
| Khandke 132kV | 06/01/2020 18:00:00 | 73 | 27000.0 | 3992.5 | 452.34 | -3540.16 | 13.11 | 0.00 | -2.903 | 0.000000 |
| Khandke 132kV | 06/01/2020 18:15:00 | 74 | 27000.0 | 3917.5 | 452.34 | -3465.16 | 12.83 | 0.00 | 1.161 | 901.147766 |
| Khandke 132kV | 06/01/2020 18:30:00 | 75 | 27000.0 | 3942.5 | 372.66 | -3569.84 | 13.22 | 0.00 | 2.903 | 3040.552795 |
| Khandke 132kV | 06/01/2020 18:45:00 | 76 | 27000.0 | 3972.5 | 382.81 | -3589.69 | 13.3 | 0.00 | 2.903 | 72.379712 |
| Khandke 132kV | 06/01/2020 19:00:00 | 77 | 27000.0 | 3962.5 | 275.78 | -3686.72 | 13.65 | 0.00 | -1.161 | 0.000000 |
| Khandke 132kV | 06/01/2020 19:15:00 | 78 | 27000.0 | 3935.0 | 161.72 | -3773.28 | 13.98 | 0.00 | -4.178 | 0.000000 |
| Khandke 132kV | 06/01/2020 19:30:00 | 79 | 27000.0 | 3962.5 | 291.41 | -3671.09 | 13.6 | 0.00 | -2.323 | 0.000000 |
| Khandke 132kV | 06/01/2020 19:45:00 | 80 | 27000.0 | 3977.5 | 264.84 | -3712.66 | 13.75 | 0.00 | -4.178 | 0.000000 |
| Khandke 132kV | 06/01/2020 20:00:00 | 81 | 27000.0 | 3967.5 | 125.0 | -3842.5 | 14.23 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khandke 132kV | 06/01/2020 20:15:00 | 82 | 27000.0 | 3985.0 | 89.84 | -3895.16 | 14.43 | 0.00 | -5.770 | 0.000000 |
| Khandke 132kV | 06/01/2020 20:30:00 | 83 | 27000.0 | 3912.5 | 82.81 | -3829.69 | 14.18 | 0.00 | 5.770 | 521.807424 |
| Khandke 132kV | 06/01/2020 20:45:00 | 84 | 27000.0 | 4002.5 | 232.03 | -3770.47 | 13.96 | 0.00 | 4.178 | 1559.290497 |
| Khandke 132kV | 06/01/2020 21:00:00 | 85 | 27000.0 | 4010.0 | 649.22 | -3360.78 | 12.45 | 0.00 | 3.222 | 735.262855 |
| Khandke 132kV | 06/01/2020 21:15:00 | 86 | 27000.0 | 3992.5 | 1006.25 | -2986.25 | 11.06 | 0.00 | -1.742 | 0.000000 |
| Khandke 132kV | 06/01/2020 21:30:00 | 87 | 27000.0 | 3992.5 | 1121.09 | -2871.41 | 10.63 | 0.00 | 0.000 | 0.000000 |
| Khandke 132kV | 06/01/2020 21:45:00 | 88 | 27000.0 | 3917.5 | 992.97 | -2924.53 | 10.83 | 0.00 | 1.161 | 0.000000 |
| Khandke 132kV | 06/01/2020 22:00:00 | 89 | 27000.0 | 3942.5 | 963.28 | -2979.22 | 11.03 | 0.00 | 4.815 | 1744.413997 |
| Khandke 132kV | 06/01/2020 22:15:00 | 90 | 27000.0 | 3972.5 | 1145.31 | -2827.19 | 10.47 | 0.00 | 3.859 | 1707.908460 |
| Khandke 132kV | 06/01/2020 22:30:00 | 91 | 27000.0 | 3962.5 | 1442.97 | -2519.53 | 9.33 | 0.00 | 1.742 | 0.000000 |
| Khandke 132kV | 06/01/2020 22:45:00 | 92 | 27000.0 | 3935.0 | 1728.13 | -2206.87 | 8.17 | 0.00 | -2.323 | 0.000000 |
| Khandke 132kV | 06/01/2020 23:00:00 | 93 | 27000.0 | 3962.5 | 1994.53 | -1967.97 | 7.29 | 0.00 | -2.903 | 0.000000 |
| Khandke 132kV | 06/01/2020 23:15:00 | 94 | 27000.0 | 3977.5 | 2239.06 | -1738.44 | 6.44 | 0.00 | 2.323 | 0.000000 |
| Khandke 132kV | 06/01/2020 23:30:00 | 95 | 27000.0 | 3967.5 | 2059.37 | -1908.13 | 7.07 | 0.00 | -3.222 | 0.000000 |
| Khandke 132kV | 06/01/2020 23:45:00 | 96 | 27000.0 | 3985.0 | 2051.56 | -1933.44 | 7.16 | 0.00 | 2.323 | 0.000000 |
| Khandke 132kV | 07/01/2020 00:00:00 | 1 | 27000.0 | 3382.5 | 2154.69 | -1227.81 | 4.55 | 0.00 | -0.549 | 0.000000 |
| Khandke 132kV | 07/01/2020 00:15:00 | 2 | 27000.0 | 3410.0 | 2240.62 | -1169.38 | 4.33 | 0.00 | -1.647 | 0.000000 |
| Khandke 132kV | 07/01/2020 00:30:00 | 3 | 27000.0 | 3425.0 | 2422.66 | -1002.34 | 3.71 | 0.00 | -3.073 | 0.000000 |
| Khandke 132kV | 07/01/2020 00:45:00 | 4 | 27000.0 | 3415.0 | 2523.44 | -891.56 | 3.3 | 0.00 | -2.744 | 0.000000 |
| Khandke 132kV | 07/01/2020 01:00:00 | 5 | 27000.0 | 3432.5 | 2529.69 | -902.81 | 3.34 | 0.00 | -4.058 | 0.000000 |
| Khandke 132kV | 07/01/2020 01:15:00 | 6 | 27000.0 | 3360.0 | 2356.25 | -1003.75 | 3.72 | 0.00 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khandke 132kV | 07/01/2020 01:30:00 | 7 | 27000.0 | 3492.5 | 2446.88 | -1045.62 | 3.87 | 0.00 | -3.401 | 0.000000 |
| Khandke 132kV | 07/01/2020 01:45:00 | 8 | 27000.0 | 3492.5 | 2684.38 | -808.12 | 2.99 | 0.00 | 3.730 | 0.000000 |
| Khandke 132kV | 07/01/2020 02:00:00 | 9 | 27000.0 | 3417.5 | 2677.34 | -740.16 | 2.74 | 0.00 | 3.073 | 161.138339 |
| Khandke 132kV | 07/01/2020 02:15:00 | 10 | 27000.0 | 3442.5 | 2571.88 | -870.62 | 3.22 | 0.00 | 3.073 | 84.754576 |
| Khandke 132kV | 07/01/2020 02:30:00 | 11 | 27000.0 | 3472.5 | 2549.22 | -923.28 | 3.42 | 0.00 | 3.401 | 125.715718 |
| Khandke 132kV | 07/01/2020 02:45:00 | 12 | 27000.0 | 3462.5 | 2805.47 | -657.03 | 2.43 | 0.00 | 2.745 | 89.228842 |
| Khandke 132kV | 07/01/2020 03:00:00 | 13 | 27000.0 | 3435.0 | 2679.69 | -755.31 | 2.8 | 0.00 | 1.647 | 0.000000 |
| Khandke 132kV | 07/01/2020 03:15:00 | 14 | 27000.0 | 3462.5 | 2835.16 | -627.34 | 2.32 | 0.00 | 2.196 | 40.245548 |
| Khandke 132kV | 07/01/2020 03:30:00 | 15 | 27000.0 | 3477.5 | 3283.59 | -193.91 | 0.72 | 0.00 | 1.647 | 16.550349 |
| Khandke 132kV | 07/01/2020 03:45:00 | 16 | 27000.0 | 3467.5 | 3378.91 | -88.59 | 0.33 | 0.00 | 1.098 | 0.000000 |
| Khandke 132kV | 07/01/2020 04:00:00 | 17 | 27000.0 | 3485.0 | 3655.47 | 170.47 | 0.63 | 0.00 | 1.647 | 0.000000 |
| Khandke 132kV | 07/01/2020 04:15:00 | 18 | 27000.0 | 3412.5 | 3389.06 | -23.44 | 0.09 | 0.00 | 2.210 | 16.782056 |
| Khandke 132kV | 07/01/2020 04:30:00 | 19 | 27000.0 | 3402.5 | 2950.78 | -451.72 | 1.67 | 0.00 | 3.730 | 456.685226 |
| Khandke 132kV | 07/01/2020 04:45:00 | 20 | 27000.0 | 3492.5 | 3129.69 | -362.81 | 1.34 | 0.00 | -1.098 | 0.000000 |
| Khandke 132kV | 07/01/2020 05:00:00 | 21 | 27000.0 | 3492.5 | 3250.0 | -242.5 | 0.9 | 0.00 | -2.744 | 0.000000 |
| Khandke 132kV | 07/01/2020 05:15:00 | 22 | 27000.0 | 3417.5 | 3035.16 | -382.34 | 1.42 | 0.00 | 3.730 | 196.415138 |
| Khandke 132kV | 07/01/2020 05:30:00 | 23 | 27000.0 | 3442.5 | 2988.28 | -454.22 | 1.68 | 0.00 | 3.073 | 524.215348 |
| Khandke 132kV | 07/01/2020 05:45:00 | 24 | 27000.0 | 3472.5 | 3221.88 | -250.62 | 0.93 | 0.00 | 3.730 | 224.695849 |
| Khandke 132kV | 07/01/2020 06:00:00 | 25 | 27000.0 | 3462.5 | 3179.69 | -282.81 | 1.05 | 0.00 | -5.372 | 0.000000 |
| Khandke 132kV | 07/01/2020 06:15:00 | 26 | 27000.0 | 3435.0 | 3564.85 | 129.85 | 0.48 | 0.00 | 4.556 | 0.000000 |
| Khandke 132kV | 07/01/2020 06:30:00 | 27 | 27000.0 | 3462.5 | 5073.44 | 1610.94 | 5.97 | 0.00 | 7.148 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khandke 132kV | 07/01/2020 06:45:00 | 28 | 27000.0 | 3477.5 | 4745.31 | 1267.81 | 4.7 | 0.00 | 7.821 | 0.000000 |
| Khandke 132kV | 07/01/2020 07:00:00 | 29 | 27000.0 | 3467.5 | 5339.84 | 1872.34 | 6.93 | 0.00 | 5.372 | 0.000000 |
| Khandke 132kV | 07/01/2020 07:15:00 | 30 | 27000.0 | 3485.0 | 5952.34 | 2467.34 | 9.14 | 0.00 | 16.000 | 0.000000 |
| Khandke 132kV | 07/01/2020 07:30:00 | 31 | 27000.0 | 3412.5 | 6003.91 | 2591.41 | 9.6 | 0.00 | 9.296 | 0.000000 |
| Khandke 132kV | 07/01/2020 07:45:00 | 32 | 27000.0 | 3402.5 | 5776.56 | 2374.06 | 8.79 | 0.00 | 9.794 | 0.000000 |
| Khandke 132kV | 07/01/2020 08:00:00 | 33 | 27000.0 | 3492.5 | 5435.16 | 1942.66 | 7.2 | 0.00 | 3.593 | 0.000000 |
| Khandke 132kV | 07/01/2020 08:15:00 | 34 | 27000.0 | 3492.5 | 5105.47 | 1612.97 | 5.97 | 0.00 | 3.401 | 0.000000 |
| Khandke 132kV | 07/01/2020 08:30:00 | 35 | 27000.0 | 3417.5 | 4679.69 | 1262.19 | 4.67 | 0.00 | 3.245 | 0.000000 |
| Khandke 132kV | 07/01/2020 08:45:00 | 36 | 27000.0 | 3442.5 | 4670.31 | 1227.81 | 4.55 | 0.00 | 0.000 | 0.000000 |
| Khandke 132kV | 07/01/2020 09:00:00 | 37 | 27000.0 | 3472.5 | 3691.41 | 218.91 | 0.81 | 0.00 | 2.745 | 0.000000 |
| Khandke 132kV | 07/01/2020 09:15:00 | 38 | 27000.0 | 3462.5 | 3337.5 | -125.0 | 0.46 | 0.00 | 4.715 | 0.000000 |
| Khandke 132kV | 07/01/2020 09:30:00 | 39 | 27000.0 | 3435.0 | 3384.38 | -50.62 | 0.19 | 0.00 | 3.981 | 0.000000 |
| Khandke 132kV | 07/01/2020 09:45:00 | 40 | 27000.0 | 3462.5 | 3574.22 | 111.72 | 0.41 | 0.00 | 3.730 | 0.000000 |
| Khandke 132kV | 07/01/2020 10:00:00 | 41 | 27000.0 | 3477.5 | 4043.75 | 566.25 | 2.1 | 0.00 | 1.780 | 0.000000 |
| Khandke 132kV | 07/01/2020 10:15:00 | 42 | 27000.0 | 3467.5 | 3726.56 | 259.06 | 0.96 | 0.00 | 5.643 | 0.000000 |
| Khandke 132kV | 07/01/2020 10:30:00 | 43 | 27000.0 | 3485.0 | 3471.09 | -13.91 | 0.05 | 0.00 | 4.976 | 0.000000 |
| Khandke 132kV | 07/01/2020 10:45:00 | 44 | 27000.0 | 3412.5 | 3243.75 | -168.75 | 0.62 | 0.00 | 4.415 | 0.000000 |
| Khandke 132kV | 07/01/2020 11:00:00 | 45 | 27000.0 | 3402.5 | 3494.53 | 92.03 | 0.34 | 0.00 | 4.476 | 0.000000 |
| Khandke 132kV | 07/01/2020 11:15:00 | 46 | 27000.0 | 3492.5 | 3153.12 | -339.38 | 1.26 | 0.00 | 4.826 | 0.000000 |
| Khandke 132kV | 07/01/2020 11:30:00 | 47 | 27000.0 | 3492.5 | 2689.84 | -802.66 | 2.97 | 0.00 | 2.289 | 0.000000 |
| Khandke 132kV | 07/01/2020 11:45:00 | 48 | 27000.0 | 3417.5 | 2671.88 | -745.62 | 2.76 | 0.00 | -0.549 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khandke 132kV | 07/01/2020 12:00:00 | 49 | 27000.0 | 3442.5 | 2211.72 | -1230.78 | 4.56 | 0.00 | 4.727 | 0.000000 |
| Khandke 132kV | 07/01/2020 12:15:00 | 50 | 27000.0 | 3472.5 | 1900.0 | -1572.5 | 5.82 | 0.00 | 4.777 | 0.000000 |
| Khandke 132kV | 07/01/2020 12:30:00 | 51 | 27000.0 | 3462.5 | 1985.94 | -1476.56 | 5.47 | 0.00 | 4.798 | 0.000000 |
| Khandke 132kV | 07/01/2020 12:45:00 | 52 | 27000.0 | 3435.0 | 2117.19 | -1317.81 | 4.88 | 0.00 | -3.401 | 0.000000 |
| Khandke 132kV | 07/01/2020 13:00:00 | 53 | 27000.0 | 3462.5 | 2087.5 | -1375.0 | 5.09 | 0.00 | -2.431 | 0.000000 |
| Khandke 132kV | 07/01/2020 13:15:00 | 54 | 27000.0 | 3477.5 | 1803.9 | -1673.6 | 6.2 | 0.00 | -4.387 | 0.000000 |
| Khandke 132kV | 07/01/2020 13:30:00 | 55 | 27000.0 | 3467.5 | 1955.47 | -1512.03 | 5.6 | 0.00 | -3.401 | 0.000000 |
| Khandke 132kV | 07/01/2020 13:45:00 | 56 | 27000.0 | 3485.0 | 1790.62 | -1694.38 | 6.28 | 0.00 | -5.044 | 0.000000 |
| Khandke 132kV | 07/01/2020 14:00:00 | 57 | 27000.0 | 3412.5 | 1010.94 | -2401.56 | 8.89 | 0.00 | 4.215 | 0.000000 |
| Khandke 132kV | 07/01/2020 14:15:00 | 58 | 27000.0 | 3402.5 | 953.91 | -2448.59 | 9.07 | 0.00 | 9.552 | 0.000000 |
| Khandke 132kV | 07/01/2020 14:30:00 | 59 | 27000.0 | 3477.5 | 1284.37 | -2193.13 | 8.12 | 0.00 | 6.358 | 0.000000 |
| Khandke 132kV | 07/01/2020 14:45:00 | 60 | 27000.0 | 3475.0 | 1492.97 | -1982.03 | 7.34 | 0.00 | 2.744 | 0.000000 |
| Khandke 132kV | 07/01/2020 15:00:00 | 61 | 27000.0 | 3470.0 | 1458.6 | -2011.4 | 7.45 | 0.00 | -3.073 | 0.000000 |
| Khandke 132kV | 07/01/2020 15:15:00 | 62 | 27000.0 | 3477.5 | 1535.16 | -1942.34 | 7.19 | 0.00 | -4.058 | 0.000000 |
| Khandke 132kV | 07/01/2020 15:30:00 | 63 | 27000.0 | 3460.0 | 1381.25 | -2078.75 | 7.7 | 0.00 | -4.831 | 0.000000 |
| Khandke 132kV | 07/01/2020 15:45:00 | 64 | 27000.0 | 3385.0 | 1030.47 | -2354.53 | 8.72 | 0.00 | -5.372 | 0.000000 |
| Khandke 132kV | 07/01/2020 16:00:00 | 65 | 27000.0 | 3410.0 | 916.41 | -2493.59 | 9.24 | 0.00 | 2.196 | 0.000000 |
| Khandke 132kV | 07/01/2020 16:15:00 | 66 | 27000.0 | 3270.0 | 969.53 | -2300.47 | 8.52 | 0.00 | -3.401 | 0.000000 |
| Khandke 132kV | 07/01/2020 16:30:00 | 67 | 27000.0 | 4020.0 | 1116.41 | -2903.59 | 10.75 | 0.00 | 4.738 | 0.000000 |
| Khandke 132kV | 07/01/2020 16:45:00 | 68 | 27000.0 | 4010.0 | 759.38 | -3250.62 | 12.04 | 0.00 | 7.343 | 0.000000 |
| Khandke 132kV | 07/01/2020 17:00:00 | 69 | 27000.0 | 4007.5 | 500.0 | -3507.5 | 12.99 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khandke 132kV | 07/01/2020 17:15:00 | 70 | 27000.0 | 4002.5 | 394.53 | -3607.97 | 13.36 | 0.00 | 2.744 | 600.171838 |
| Khandke 132kV | 07/01/2020 17:30:00 | 71 | 27000.0 | 4010.0 | 317.19 | -3692.81 | 13.68 | 0.00 | 3.401 | 243.834165 |
| Khandke 132kV | 07/01/2020 17:45:00 | 72 | 27000.0 | 3992.5 | 174.22 | -3818.28 | 14.14 | 0.00 | -2.745 | 0.000000 |
| Khandke 132kV | 07/01/2020 18:00:00 | 73 | 27000.0 | 3992.5 | 232.81 | -3759.69 | 13.92 | 0.00 | -3.073 | 0.000000 |
| Khandke 132kV | 07/01/2020 18:15:00 | 74 | 27000.0 | 3917.5 | 220.31 | -3697.19 | 13.69 | 0.00 | -5.372 | 0.000000 |
| Khandke 132kV | 07/01/2020 18:30:00 | 75 | 27000.0 | 3942.5 | 91.41 | -3851.09 | 14.26 | 0.00 | 3.401 | 0.000000 |
| Khandke 132kV | 07/01/2020 18:45:00 | 76 | 27000.0 | 3972.5 | 110.94 | -3861.56 | 14.3 | 0.00 | -3.401 | 0.000000 |
| Khandke 132kV | 07/01/2020 19:00:00 | 77 | 27000.0 | 3962.5 | 59.38 | -3903.12 | 14.46 | 0.00 | -3.730 | 0.000000 |
| Khandke 132kV | 07/01/2020 19:15:00 | 78 | 27000.0 | 3935.0 | 2.34 | -3932.66 | 14.57 | 0.00 | -4.715 | 0.000000 |
| Khandke 132kV | 07/01/2020 19:30:00 | 79 | 27000.0 | 3962.5 | 0.0 | -3962.5 | 14.68 | 0.00 | -4.058 | 0.000000 |
| Khandke 132kV | 07/01/2020 19:45:00 | 80 | 27000.0 | 3977.5 | 7.03 | -3970.47 | 14.71 | 0.00 | -2.210 | 0.000000 |
| Khandke 132kV | 07/01/2020 20:00:00 | 81 | 27000.0 | 3967.5 | 94.53 | -3872.97 | 14.34 | 0.00 | -2.348 | 0.000000 |
| Khandke 132kV | 07/01/2020 20:15:00 | 82 | 27000.0 | 3985.0 | 129.69 | -3855.31 | 14.28 | 0.00 | 4.387 | 6016.797256 |
| Khandke 132kV | 07/01/2020 20:30:00 | 83 | 27000.0 | 3912.5 | 196.09 | -3716.41 | 13.76 | 0.00 | 3.816 | 7584.037142 |
| Khandke 132kV | 07/01/2020 20:45:00 | 84 | 27000.0 | 4002.5 | 295.31 | -3707.19 | 13.73 | 0.00 | 3.401 | 1821.476014 |
| Khandke 132kV | 07/01/2020 21:00:00 | 85 | 27000.0 | 4010.0 | 289.06 | -3720.94 | 13.78 | 0.00 | -4.058 | 0.000000 |
| Khandke 132kV | 07/01/2020 21:15:00 | 86 | 27000.0 | 3992.5 | 285.94 | -3706.56 | 13.73 | 0.00 | 1.647 | 1964.606905 |
| Khandke 132kV | 07/01/2020 21:30:00 | 87 | 27000.0 | 3992.5 | 103.91 | -3888.59 | 14.4 | 0.00 | 2.196 | 1240.009185 |
| Khandke 132kV | 07/01/2020 21:45:00 | 88 | 27000.0 | 3917.5 | 57.81 | -3859.69 | 14.3 | 0.00 | -2.196 | 0.000000 |
| Khandke 132kV | 07/01/2020 22:00:00 | 89 | 27000.0 | 3942.5 | 35.16 | -3907.34 | 14.47 | 0.00 | -3.257 | 0.000000 |
| Khandke 132kV | 07/01/2020 22:15:00 | 90 | 27000.0 | 3972.5 | 37.5 | -3935.0 | 14.57 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khandke 132kV | 07/01/2020 22:30:00 | 91 | 27000.0 | 3962.5 | 383.59 | -3578.91 | 13.26 | 0.00 | -1.098 | 0.000000 |
| Khandke 132kV | 07/01/2020 22:45:00 | 92 | 27000.0 | 3935.0 | 1492.19 | -2442.81 | 9.05 | 0.00 | -1.647 | 0.000000 |
| Khandke 132kV | 07/01/2020 23:00:00 | 93 | 27000.0 | 3962.5 | 2232.03 | -1730.47 | 6.41 | 0.00 | -3.401 | 0.000000 |
| Khandke 132kV | 07/01/2020 23:15:00 | 94 | 27000.0 | 3977.5 | 2777.34 | -1200.16 | 4.45 | 0.00 | 1.647 | 0.000000 |
| Khandke 132kV | 07/01/2020 23:30:00 | 95 | 27000.0 | 3967.5 | 3624.22 | -343.28 | 1.27 | 0.00 | -2.196 | 0.000000 |
| Khandke 132kV | 07/01/2020 23:45:00 | 96 | 27000.0 | 3985.0 | 3888.28 | -96.72 | 0.36 | 0.00 | -0.549 | 0.000000 |
| Khandke 132kV | 08/01/2020 00:00:00 | 1 | 27000.0 | 3382.5 | 3453.12 | 70.62 | 0.26 | 0.00 | -2.220 | 0.000000 |
| Khandke 132kV | 08/01/2020 00:15:00 | 2 | 27000.0 | 3410.0 | 3547.66 | 137.66 | 0.51 | 0.00 | -3.101 | 0.000000 |
| Khandke 132kV | 08/01/2020 00:30:00 | 3 | 27000.0 | 3425.0 | 3315.63 | -109.37 | 0.41 | 0.00 | -3.101 | 0.000000 |
| Khandke 132kV | 08/01/2020 00:45:00 | 4 | 27000.0 | 3415.0 | 3253.91 | -161.09 | 0.6 | 0.00 | -2.424 | 0.000000 |
| Khandke 132kV | 08/01/2020 01:00:00 | 5 | 27000.0 | 3432.5 | 3563.28 | 130.78 | 0.48 | 0.00 | -2.170 | 0.000000 |
| Khandke 132kV | 08/01/2020 01:15:00 | 6 | 27000.0 | 3360.0 | 3634.38 | 274.38 | 1.02 | 0.00 | -1.761 | 0.000000 |
| Khandke 132kV | 08/01/2020 01:30:00 | 7 | 27000.0 | 3492.5 | 3246.88 | -245.62 | 0.91 | 0.00 | -1.665 | 0.000000 |
| Khandke 132kV | 08/01/2020 01:45:00 | 8 | 27000.0 | 3492.5 | 2932.03 | -560.47 | 2.08 | 0.00 | -1.665 | 0.000000 |
| Khandke 132kV | 08/01/2020 02:00:00 | 9 | 27000.0 | 3417.5 | 3085.94 | -331.56 | 1.23 | 0.00 | -1.110 | 0.000000 |
| Khandke 132kV | 08/01/2020 02:15:00 | 10 | 27000.0 | 3442.5 | 2246.87 | -1195.63 | 4.43 | 0.00 | -1.347 | 0.000000 |
| Khandke 132kV | 08/01/2020 02:30:00 | 11 | 27000.0 | 3472.5 | 2400.0 | -1072.5 | 3.97 | 0.00 | -3.101 | 0.000000 |
| Khandke 132kV | 08/01/2020 02:45:00 | 12 | 27000.0 | 3462.5 | 2521.09 | -941.41 | 3.49 | 0.00 | -2.220 | 0.000000 |
| Khandke 132kV | 08/01/2020 03:00:00 | 13 | 27000.0 | 3435.0 | 2927.34 | -507.66 | 1.88 | 0.00 | -3.428 | 0.000000 |
| Khandke 132kV | 08/01/2020 03:15:00 | 14 | 27000.0 | 3462.5 | 2966.4 | -496.1 | 1.84 | 0.00 | -2.220 | 0.000000 |
| Khandke 132kV | 08/01/2020 03:30:00 | 15 | 27000.0 | 3477.5 | 2235.94 | -1241.56 | 4.6 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khandke 132kV | 08/01/2020 03:45:00 | 16 | 27000.0 | 3467.5 | 1899.22 | -1568.28 | 5.81 | 0.00 | -2.775 | 0.000000 |
| Khandke 132kV | 08/01/2020 04:00:00 | 17 | 27000.0 | 3485.0 | 2088.28 | -1396.72 | 5.17 | 0.00 | -3.101 | 0.000000 |
| Khandke 132kV | 08/01/2020 04:15:00 | 18 | 27000.0 | 3412.5 | 1923.44 | -1489.06 | 5.52 | 0.00 | -1.665 | 0.000000 |
| Khandke 132kV | 08/01/2020 04:30:00 | 19 | 27000.0 | 3402.5 | 1705.47 | -1697.03 | 6.29 | 0.00 | -2.220 | 0.000000 |
| Khandke 132kV | 08/01/2020 04:45:00 | 20 | 27000.0 | 3492.5 | 1132.81 | -2359.69 | 8.74 | 0.00 | -2.775 | 0.000000 |
| Khandke 132kV | 08/01/2020 05:00:00 | 21 | 27000.0 | 3492.5 | 1042.97 | -2449.53 | 9.07 | 0.00 | -1.110 | 0.000000 |
| Khandke 132kV | 08/01/2020 05:15:00 | 22 | 27000.0 | 3417.5 | 823.44 | -2594.06 | 9.61 | 0.00 | 2.775 | 125.002707 |
| Khandke 132kV | 08/01/2020 05:30:00 | 23 | 27000.0 | 3442.5 | 576.56 | -2865.94 | 10.61 | 0.00 | -3.428 | 0.000000 |
| Khandke 132kV | 08/01/2020 05:45:00 | 24 | 27000.0 | 3472.5 | 535.94 | -2936.56 | 10.88 | 0.00 | -2.775 | 0.000000 |
| Khandke 132kV | 08/01/2020 06:00:00 | 25 | 27000.0 | 3462.5 | 372.66 | -3089.84 | 11.44 | 0.00 | -2.220 | 0.000000 |
| Khandke 132kV | 08/01/2020 06:15:00 | 26 | 27000.0 | 3435.0 | 137.5 | -3297.5 | 12.21 | 0.00 | 2.220 | 675.146419 |
| Khandke 132kV | 08/01/2020 06:30:00 | 27 | 27000.0 | 3462.5 | 169.53 | -3292.97 | 12.2 | 0.00 | 5.387 | 5927.221863 |
| Khandke 132kV | 08/01/2020 06:45:00 | 28 | 27000.0 | 3477.5 | 186.72 | -3290.78 | 12.19 | 0.00 | -4.734 | 0.000000 |
| Khandke 132kV | 08/01/2020 07:00:00 | 29 | 27000.0 | 3467.5 | 153.12 | -3314.38 | 12.28 | 0.00 | -4.407 | 0.000000 |
| Khandke 132kV | 08/01/2020 07:15:00 | 30 | 27000.0 | 3485.0 | 174.22 | -3310.78 | 12.26 | 0.00 | 5.061 | 5835.526458 |
| Khandke 132kV | 08/01/2020 07:30:00 | 31 | 27000.0 | 3412.5 | 210.94 | -3201.56 | 11.86 | 0.00 | 5.714 | 5399.431619 |
| Khandke 132kV | 08/01/2020 07:45:00 | 32 | 27000.0 | 3402.5 | 185.94 | -3216.56 | 11.91 | 0.00 | 5.061 | 2132.689901 |
| Khandke 132kV | 08/01/2020 08:00:00 | 33 | 27000.0 | 3492.5 | 136.72 | -3355.78 | 12.43 | 0.00 | 2.775 | 0.000000 |
| Khandke 132kV | 08/01/2020 08:15:00 | 34 | 27000.0 | 3492.5 | 23.44 | -3469.06 | 12.85 | 0.00 | 2.775 | 0.000000 |
| Khandke 132kV | 08/01/2020 08:30:00 | 35 | 27000.0 | 3417.5 | 0.0 | -3417.5 | 12.66 | 0.00 | 5.387 | 0.000000 |
| Khandke 132kV | 08/01/2020 08:45:00 | 36 | 27000.0 | 3442.5 | 0.0 | -3442.5 | 12.75 | 0.00 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khandke 132kV | 08/01/2020 09:00:00 | 37 | 27000.0 | 3472.5 | 0.78 | -3471.72 | 12.86 | 0.00 | 7.673 | 0.000000 |
| Khandke 132kV | 08/01/2020 09:15:00 | 38 | 27000.0 | 3462.5 | 0.0 | -3462.5 | 12.82 | 0.00 | 7.673 | 0.000000 |
| Khandke 132kV | 08/01/2020 09:30:00 | 39 | 27000.0 | 3435.0 | 21.09 | -3413.91 | 12.64 | 0.00 | 3.101 | 0.000000 |
| Khandke 132kV | 08/01/2020 09:45:00 | 40 | 27000.0 | 3462.5 | 214.06 | -3248.44 | 12.03 | 0.00 | -3.101 | 0.000000 |
| Khandke 132kV | 08/01/2020 10:00:00 | 41 | 27000.0 | 3477.5 | 781.25 | -2696.25 | 9.99 | 0.00 | -3.101 | 0.000000 |
| Khandke 132kV | 08/01/2020 10:15:00 | 42 | 27000.0 | 3467.5 | 1250.0 | -2217.5 | 8.21 | 0.00 | -3.101 | 0.000000 |
| Khandke 132kV | 08/01/2020 10:30:00 | 43 | 27000.0 | 3485.0 | 1575.0 | -1910.0 | 7.07 | 0.00 | -1.665 | 0.000000 |
| Khandke 132kV | 08/01/2020 10:45:00 | 44 | 27000.0 | 3412.5 | 2106.25 | -1306.25 | 4.84 | 0.00 | 0.000 | 0.000000 |
| Khandke 132kV | 08/01/2020 11:00:00 | 45 | 27000.0 | 3402.5 | 2354.69 | -1047.81 | 3.88 | 0.00 | -1.486 | 0.000000 |
| Khandke 132kV | 08/01/2020 11:15:00 | 46 | 27000.0 | 3492.5 | 2493.75 | -998.75 | 3.7 | 0.00 | -1.305 | 0.000000 |
| Khandke 132kV | 08/01/2020 11:30:00 | 47 | 27000.0 | 3492.5 | 2774.22 | -718.28 | 2.66 | 0.00 | -2.425 | 0.000000 |
| Khandke 132kV | 08/01/2020 11:45:00 | 48 | 27000.0 | 3417.5 | 2939.84 | -477.66 | 1.77 | 0.00 | -2.775 | 0.000000 |
| Khandke 132kV | 08/01/2020 12:00:00 | 49 | 27000.0 | 3442.5 | 3553.12 | 110.62 | 0.41 | 0.00 | -2.083 | -70.975598 |
| Khandke 132kV | 08/01/2020 12:15:00 | 50 | 27000.0 | 3472.5 | 4028.91 | 556.41 | 2.06 | 0.00 | -3.242 | -225.987862 |
| Khandke 132kV | 08/01/2020 12:30:00 | 51 | 27000.0 | 3462.5 | 4881.25 | 1418.75 | 5.25 | 0.00 | -1.330 | -301.824547 |
| Khandke 132kV | 08/01/2020 12:45:00 | 52 | 27000.0 | 3435.0 | 5075.0 | 1640.0 | 6.07 | 0.00 | -0.830 | -311.889459 |
| Khandke 132kV | 08/01/2020 13:00:00 | 53 | 27000.0 | 3462.5 | 4979.69 | 1517.19 | 5.62 | 0.00 | 2.775 | 0.000000 |
| Khandke 132kV | 08/01/2020 13:15:00 | 54 | 27000.0 | 3477.5 | 4546.88 | 1069.38 | 3.96 | 0.00 | 0.000 | 0.000000 |
| Khandke 132kV | 08/01/2020 13:30:00 | 55 | 27000.0 | 3467.5 | 5314.85 | 1847.35 | 6.84 | 0.00 | -1.012 | -161.312135 |
| Khandke 132kV | 08/01/2020 13:45:00 | 56 | 27000.0 | 3485.0 | 5929.69 | 2444.69 | 9.05 | 0.00 | -1.087 | -246.526186 |
| Khandke 132kV | 08/01/2020 14:00:00 | 57 | 27000.0 | 3412.5 | 5958.59 | 2546.09 | 9.43 | 0.00 | -3.101 | -745.815334 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khandke 132kV | 08/01/2020 14:15:00 | 58 | 27000.0 | 3402.5 | 5736.72 | 2334.22 | 8.65 | 0.00 | -4.081 | -494.223970 |
| Khandke 132kV | 08/01/2020 14:30:00 | 59 | 27000.0 | 3477.5 | 5487.5 | 2010.0 | 7.44 | 0.00 | -2.996 | -813.183678 |
| Khandke 132kV | 08/01/2020 14:45:00 | 60 | 27000.0 | 3475.0 | 4411.72 | 936.72 | 3.47 | 0.00 | -3.101 | -142.140404 |
| Khandke 132kV | 08/01/2020 15:00:00 | 61 | 27000.0 | 3470.0 | 4446.88 | 976.88 | 3.62 | 0.00 | -1.879 | -245.408783 |
| Khandke 132kV | 08/01/2020 15:15:00 | 62 | 27000.0 | 3477.5 | 4071.09 | 593.59 | 2.2 | 0.00 | -4.081 | -20.880404 |
| Khandke 132kV | 08/01/2020 15:30:00 | 63 | 27000.0 | 3460.0 | 4546.09 | 1086.09 | 4.02 | 0.00 | 4.938 | 0.000000 |
| Khandke 132kV | 08/01/2020 15:45:00 | 64 | 27000.0 | 3385.0 | 4733.59 | 1348.59 | 4.99 | 0.00 | 4.719 | 0.000000 |
| Khandke 132kV | 08/01/2020 16:00:00 | 65 | 27000.0 | 3410.0 | 4545.31 | 1135.31 | 4.2 | 0.00 | 0.555 | 0.000000 |
| Khandke 132kV | 08/01/2020 16:15:00 | 66 | 27000.0 | 3270.0 | 4926.56 | 1656.56 | 6.14 | 0.00 | -4.081 | -773.267047 |
| Khandke 132kV | 08/01/2020 16:30:00 | 67 | 27000.0 | 4020.0 | 4704.69 | 684.69 | 2.54 | 0.00 | -3.754 | -119.320577 |
| Khandke 132kV | 08/01/2020 16:45:00 | 68 | 27000.0 | 4010.0 | 4992.19 | 982.19 | 3.64 | 0.00 | -8.000 | 0.000000 |
| Khandke 132kV | 08/01/2020 17:00:00 | 69 | 27000.0 | 4007.5 | 7362.5 | 3355.0 | 12.43 | 0.00 | 0.000 | 0.000000 |
| Khandke 132kV | 08/01/2020 17:15:00 | 70 | 27000.0 | 4002.5 | 7104.69 | 3102.19 | 11.49 | 0.00 | 4.081 | 0.000000 |
| Khandke 132kV | 08/01/2020 17:30:00 | 71 | 27000.0 | 4010.0 | 6001.56 | 1991.56 | 7.38 | 0.00 | -5.387 | 0.000000 |
| Khandke 132kV | 08/01/2020 17:45:00 | 72 | 27000.0 | 3992.5 | 6757.03 | 2764.53 | 10.24 | 0.00 | -3.101 | 0.000000 |
| Khandke 132kV | 08/01/2020 18:00:00 | 73 | 27000.0 | 3992.5 | 7466.41 | 3473.91 | 12.87 | 0.00 | -2.775 | 0.000000 |
| Khandke 132kV | 08/01/2020 18:15:00 | 74 | 27000.0 | 3917.5 | 6560.15 | 2642.65 | 9.79 | 0.00 | -3.101 | 0.000000 |
| Khandke 132kV | 08/01/2020 18:30:00 | 75 | 27000.0 | 3942.5 | 5864.06 | 1921.56 | 7.12 | 0.00 | -2.220 | 0.000000 |
| Khandke 132kV | 08/01/2020 18:45:00 | 76 | 27000.0 | 3972.5 | 7270.31 | 3297.81 | 12.21 | 0.00 | 2.220 | 0.000000 |
| Khandke 132kV | 08/01/2020 19:00:00 | 77 | 27000.0 | 3962.5 | 7733.59 | 3771.09 | 13.97 | 0.00 | 1.110 | 0.000000 |
| Khandke 132kV | 08/01/2020 19:15:00 | 78 | 27000.0 | 3935.0 | 7808.59 | 3873.59 | 14.35 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khandke 132kV | 08/01/2020 19:30:00 | 79 | 27000.0 | 5695.0 | 7060.94 | 1365.94 | 5.06 | 0.00 | -2.220 | 0.000000 |
| Khandke 132kV | 08/01/2020 19:45:00 | 80 | 27000.0 | 5612.5 | 6035.94 | 423.44 | 1.57 | 0.00 | -0.555 | 0.000000 |
| Khandke 132kV | 08/01/2020 20:00:00 | 81 | 27000.0 | 5412.5 | 5407.03 | -5.47 | 0.02 | 0.00 | 2.775 | 0.000000 |
| Khandke 132kV | 08/01/2020 20:15:00 | 82 | 27000.0 | 5360.0 | 5644.53 | 284.53 | 1.05 | 0.00 | 3.101 | 0.000000 |
| Khandke 132kV | 08/01/2020 20:30:00 | 83 | 27000.0 | 5112.5 | 5225.78 | 113.28 | 0.42 | 0.00 | 4.408 | 0.000000 |
| Khandke 132kV | 08/01/2020 20:45:00 | 84 | 27000.0 | 4862.5 | 5074.22 | 211.72 | 0.78 | 0.00 | 3.101 | 0.000000 |
| Khandke 132kV | 08/01/2020 21:00:00 | 85 | 27000.0 | 4612.5 | 5439.06 | 826.56 | 3.06 | 0.00 | 3.101 | 0.000000 |
| Khandke 132kV | 08/01/2020 21:15:00 | 86 | 27000.0 | 4412.5 | 5128.91 | 716.41 | 2.65 | 0.00 | -0.555 | 0.000000 |
| Khandke 132kV | 08/01/2020 21:30:00 | 87 | 27000.0 | 4080.0 | 4607.03 | 527.03 | 1.95 | 0.00 | -1.110 | 0.000000 |
| Khandke 132kV | 08/01/2020 21:45:00 | 88 | 27000.0 | 3917.5 | 4114.06 | 196.56 | 0.73 | 0.00 | -1.110 | 0.000000 |
| Khandke 132kV | 08/01/2020 22:00:00 | 89 | 27000.0 | 3942.5 | 4376.56 | 434.06 | 1.61 | 0.00 | -2.489 | 0.000000 |
| Khandke 132kV | 08/01/2020 22:15:00 | 90 | 27000.0 | 3972.5 | 4706.25 | 733.75 | 2.72 | 0.00 | -2.775 | 0.000000 |
| Khandke 132kV | 08/01/2020 22:30:00 | 91 | 27000.0 | 3962.5 | 3686.72 | -275.78 | 1.02 | 0.00 | -2.223 | 0.000000 |
| Khandke 132kV | 08/01/2020 22:45:00 | 92 | 27000.0 | 3935.0 | 4173.44 | 238.44 | 0.88 | 0.00 | 1.110 | 0.000000 |
| Khandke 132kV | 08/01/2020 23:00:00 | 93 | 27000.0 | 3962.5 | 4314.84 | 352.34 | 1.3 | 0.00 | 1.110 | 0.000000 |
| Khandke 132kV | 08/01/2020 23:15:00 | 94 | 27000.0 | 3977.5 | 3485.16 | -492.34 | 1.82 | 0.00 | 1.110 | 0.000000 |
| Khandke 132kV | 08/01/2020 23:30:00 | 95 | 27000.0 | 3967.5 | 3292.97 | -674.53 | 2.5 | 0.00 | 2.775 | 6.131828 |
| Khandke 132kV | 08/01/2020 23:45:00 | 96 | 27000.0 | 3985.0 | 3739.06 | -245.94 | 0.91 | 0.00 | 0.000 | 0.000000 |
| Khandke 132kV | 09/01/2020 00:00:00 | 1 | 27000.0 | 3382.5 | 5254.69 | 1872.19 | 6.93 | 0.00 | -0.576 | 0.000000 |
| Khandke 132kV | 09/01/2020 00:15:00 | 2 | 27000.0 | 3410.0 | 6546.88 | 3136.88 | 11.62 | 0.00 | -1.727 | 0.000000 |
| Khandke 132kV | 09/01/2020 00:30:00 | 3 | 27000.0 | 3425.0 | 5646.88 | 2221.88 | 8.23 | 0.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khandke 132kV | 09/01/2020 00:45:00 | 4 | 27000.0 | 3415.0 | 5864.84 | 2449.84 | 9.07 | 0.00 | -2.879 | 0.000000 |
| Khandke 132kV | 09/01/2020 01:00:00 | 5 | 27000.0 | 3432.5 | 6582.81 | 3150.31 | 11.67 | 0.00 | -3.519 | 0.000000 |
| Khandke 132kV | 09/01/2020 01:15:00 | 6 | 27000.0 | 3360.0 | 6508.6 | 3148.6 | 11.66 | 0.00 | -3.519 | 0.000000 |
| Khandke 132kV | 09/01/2020 01:30:00 | 7 | 27000.0 | 4242.5 | 5720.31 | 1477.81 | 5.47 | 0.00 | -3.199 | 0.000000 |
| Khandke 132kV | 09/01/2020 01:45:00 | 8 | 27000.0 | 4242.5 | 5558.59 | 1316.09 | 4.87 | 0.00 | 3.519 | 0.000000 |
| Khandke 132kV | 09/01/2020 02:00:00 | 9 | 27000.0 | 4167.5 | 6987.5 | 2820.0 | 10.44 | 0.00 | 3.519 | 0.000000 |
| Khandke 132kV | 09/01/2020 02:15:00 | 10 | 27000.0 | 4192.5 | 8081.25 | 3888.75 | 14.4 | 0.00 | 2.879 | 0.000000 |
| Khandke 132kV | 09/01/2020 02:30:00 | 11 | 27000.0 | 4222.5 | 7633.59 | 3411.09 | 12.63 | 0.00 | 3.199 | 0.000000 |
| Khandke 132kV | 09/01/2020 02:45:00 | 12 | 27000.0 | 4212.5 | 6878.91 | 2666.41 | 9.88 | 0.00 | 1.152 | 0.000000 |
| Khandke 132kV | 09/01/2020 03:00:00 | 13 | 27000.0 | 4185.0 | 5232.03 | 1047.03 | 3.88 | 0.00 | -2.879 | 0.000000 |
| Khandke 132kV | 09/01/2020 03:15:00 | 14 | 27000.0 | 3912.5 | 3968.75 | 56.25 | 0.21 | 0.00 | -3.839 | 0.000000 |
| Khandke 132kV | 09/01/2020 03:30:00 | 15 | 27000.0 | 3880.0 | 4378.91 | 498.91 | 1.85 | 0.00 | 3.199 | 0.000000 |
| Khandke 132kV | 09/01/2020 03:45:00 | 16 | 27000.0 | 3910.0 | 5310.94 | 1400.94 | 5.19 | 0.00 | 0.000 | 0.000000 |
| Khandke 132kV | 09/01/2020 04:00:00 | 17 | 27000.0 | 3985.0 | 6458.59 | 2473.59 | 9.16 | 0.00 | 1.727 | 0.000000 |
| Khandke 132kV | 09/01/2020 04:15:00 | 18 | 27000.0 | 3912.5 | 6683.59 | 2771.09 | 10.26 | 0.00 | 1.727 | 0.000000 |
| Khandke 132kV | 09/01/2020 04:30:00 | 19 | 27000.0 | 3902.5 | 6168.75 | 2266.25 | 8.39 | 0.00 | 1.727 | 0.000000 |
| Khandke 132kV | 09/01/2020 04:45:00 | 20 | 27000.0 | 3992.5 | 5370.31 | 1377.81 | 5.1 | 0.00 | 2.879 | 0.000000 |
| Khandke 132kV | 09/01/2020 05:00:00 | 21 | 27000.0 | 3992.5 | 5004.69 | 1012.19 | 3.75 | 0.00 | 3.839 | 0.000000 |
| Khandke 132kV | 09/01/2020 05:15:00 | 22 | 27000.0 | 3917.5 | 5221.87 | 1304.37 | 4.83 | 0.00 | 5.119 | 0.000000 |
| Khandke 132kV | 09/01/2020 05:30:00 | 23 | 27000.0 | 3942.5 | 5218.75 | 1276.25 | 4.73 | 0.00 | 4.064 | 0.000000 |
| Khandke 132kV | 09/01/2020 05:45:00 | 24 | 27000.0 | 3972.5 | 5392.19 | 1419.69 | 5.26 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khandke 132kV | 09/01/2020 06:00:00 | 25 | 27000.0 | 3962.5 | 6258.59 | 2296.09 | 8.5 | 0.00 | -2.303 | 0.000000 |
| Khandke 132kV | 09/01/2020 06:15:00 | 26 | 27000.0 | 3935.0 | 6470.31 | 2535.31 | 9.39 | 0.00 | 2.303 | 0.000000 |
| Khandke 132kV | 09/01/2020 06:30:00 | 27 | 27000.0 | 3962.5 | 6652.34 | 2689.84 | 9.96 | 0.00 | -3.839 | 0.000000 |
| Khandke 132kV | 09/01/2020 06:45:00 | 28 | 27000.0 | 3977.5 | 6903.13 | 2925.63 | 10.84 | 0.00 | -2.879 | 0.000000 |
| Khandke 132kV | 09/01/2020 07:00:00 | 29 | 27000.0 | 3967.5 | 7146.88 | 3179.38 | 11.78 | 0.00 | -2.879 | 0.000000 |
| Khandke 132kV | 09/01/2020 07:15:00 | 30 | 27000.0 | 3985.0 | 6582.81 | 2597.81 | 9.62 | 0.00 | 6.400 | 0.000000 |
| Khandke 132kV | 09/01/2020 07:30:00 | 31 | 27000.0 | 3912.5 | 5543.75 | 1631.25 | 6.04 | 0.00 | 1.172 | 0.000000 |
| Khandke 132kV | 09/01/2020 07:45:00 | 32 | 27000.0 | 3902.5 | 4913.28 | 1010.78 | 3.74 | 0.00 | 0.576 | 0.000000 |
| Khandke 132kV | 09/01/2020 08:00:00 | 33 | 27000.0 | 3992.5 | 4712.5 | 720.0 | 2.67 | 0.00 | -0.576 | -39.355745 |
| Khandke 132kV | 09/01/2020 08:15:00 | 34 | 27000.0 | 3992.5 | 4469.53 | 477.03 | 1.77 | 0.00 | -1.152 | -49.405352 |
| Khandke 132kV | 09/01/2020 08:30:00 | 35 | 27000.0 | 3917.5 | 4271.1 | 353.6 | 1.31 | 0.00 | 0.576 | 0.000000 |
| Khandke 132kV | 09/01/2020 08:45:00 | 36 | 27000.0 | 3942.5 | 3657.81 | -284.69 | 1.05 | 0.00 | 0.000 | 0.000000 |
| Khandke 132kV | 09/01/2020 09:00:00 | 37 | 27000.0 | 3972.5 | 3085.94 | -886.56 | 3.28 | 0.00 | 1.152 | 0.000000 |
| Khandke 132kV | 09/01/2020 09:15:00 | 38 | 27000.0 | 3962.5 | 2728.13 | -1234.37 | 4.57 | 0.00 | 1.727 | 0.000000 |
| Khandke 132kV | 09/01/2020 09:30:00 | 39 | 27000.0 | 3935.0 | 2100.78 | -1834.22 | 6.79 | 0.00 | -3.839 | 0.000000 |
| Khandke 132kV | 09/01/2020 09:45:00 | 40 | 27000.0 | 3962.5 | 1118.75 | -2843.75 | 10.53 | 0.00 | -1.152 | 0.000000 |
| Khandke 132kV | 09/01/2020 10:00:00 | 41 | 27000.0 | 3977.5 | 785.16 | -3192.34 | 11.82 | 0.00 | 0.000 | 0.000000 |
| Khandke 132kV | 09/01/2020 10:15:00 | 42 | 27000.0 | 3967.5 | 642.97 | -3324.53 | 12.31 | 0.00 | 1.727 | 0.000000 |
| Khandke 132kV | 09/01/2020 10:30:00 | 43 | 27000.0 | 3985.0 | 544.53 | -3440.47 | 12.74 | 0.00 | 2.303 | 0.000000 |
| Khandke 132kV | 09/01/2020 10:45:00 | 44 | 27000.0 | 3912.5 | 655.47 | -3257.03 | 12.06 | 0.00 | -1.144 | 0.000000 |
| Khandke 132kV | 09/01/2020 11:00:00 | 45 | 27000.0 | 3902.5 | 556.25 | -3346.25 | 12.39 | 0.00 | -4.479 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khandke 132kV | 09/01/2020 11:15:00 | 46 | 27000.0 | 3992.5 | 601.56 | -3390.94 | 12.56 | 0.00 | -3.519 | 0.000000 |
| Khandke 132kV | 09/01/2020 11:30:00 | 47 | 27000.0 | 3992.5 | 646.09 | -3346.41 | 12.39 | 0.00 | -2.303 | 0.000000 |
| Khandke 132kV | 09/01/2020 11:45:00 | 48 | 27000.0 | 3917.5 | 702.34 | -3215.16 | 11.91 | 0.00 | -0.576 | 0.000000 |
| Khandke 132kV | 09/01/2020 12:00:00 | 49 | 27000.0 | 3942.5 | 866.41 | -3076.09 | 11.39 | 0.00 | 0.000 | 0.000000 |
| Khandke 132kV | 09/01/2020 12:15:00 | 50 | 27000.0 | 3972.5 | 828.12 | -3144.38 | 11.65 | 0.00 | 3.839 | 0.000000 |
| Khandke 132kV | 09/01/2020 12:30:00 | 51 | 27000.0 | 3962.5 | 665.62 | -3296.88 | 12.21 | 0.00 | 3.199 | 0.000000 |
| Khandke 132kV | 09/01/2020 12:45:00 | 52 | 27000.0 | 3935.0 | 627.34 | -3307.66 | 12.25 | 0.00 | 3.199 | 0.000000 |
| Khandke 132kV | 09/01/2020 13:00:00 | 53 | 27000.0 | 3962.5 | 691.41 | -3271.09 | 12.12 | 0.00 | -1.152 | 0.000000 |
| Khandke 132kV | 09/01/2020 13:15:00 | 54 | 27000.0 | 3977.5 | 791.41 | -3186.09 | 11.8 | 0.00 | -1.152 | 0.000000 |
| Khandke 132kV | 09/01/2020 13:30:00 | 55 | 27000.0 | 3967.5 | 800.0 | -3167.5 | 11.73 | 0.00 | 1.727 | 0.000000 |
| Khandke 132kV | 09/01/2020 13:45:00 | 56 | 27000.0 | 3985.0 | 800.78 | -3184.22 | 11.79 | 0.00 | 3.199 | 0.000000 |
| Khandke 132kV | 09/01/2020 14:00:00 | 57 | 27000.0 | 3912.5 | 810.94 | -3101.56 | 11.49 | 0.00 | 4.345 | 0.000000 |
| Khandke 132kV | 09/01/2020 14:15:00 | 58 | 27000.0 | 3902.5 | 1032.81 | -2869.69 | 10.63 | 0.00 | 3.941 | 0.000000 |
| Khandke 132kV | 09/01/2020 14:30:00 | 59 | 27000.0 | 3977.5 | 1041.41 | -2936.09 | 10.87 | 0.00 | 1.152 | 0.000000 |
| Khandke 132kV | 09/01/2020 14:45:00 | 60 | 27000.0 | 3975.0 | 1180.47 | -2794.53 | 10.35 | 0.00 | -0.576 | 0.000000 |
| Khandke 132kV | 09/01/2020 15:00:00 | 61 | 27000.0 | 3970.0 | 1041.4 | -2928.6 | 10.85 | 0.00 | -1.006 | 0.000000 |
| Khandke 132kV | 09/01/2020 15:15:00 | 62 | 27000.0 | 3977.5 | 993.75 | -2983.75 | 11.05 | 0.00 | 3.199 | 0.000000 |
| Khandke 132kV | 09/01/2020 15:30:00 | 63 | 27000.0 | 3960.0 | 988.28 | -2971.72 | 11.01 | 0.00 | 2.879 | 0.000000 |
| Khandke 132kV | 09/01/2020 15:45:00 | 64 | 27000.0 | 3885.0 | 1092.97 | -2792.03 | 10.34 | 0.00 | 3.839 | 0.000000 |
| Khandke 132kV | 09/01/2020 16:00:00 | 65 | 27000.0 | 3917.5 | 1095.31 | -2822.19 | 10.45 | 0.00 | 1.727 | 0.000000 |
| Khandke 132kV | 09/01/2020 16:15:00 | 66 | 27000.0 | 3942.5 | 1213.28 | -2729.22 | 10.11 | 0.00 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khandke 132kV | 09/01/2020 16:30:00 | 67 | 27000.0 | 3972.5 | 1788.28 | -2184.22 | 8.09 | 0.00 | -4.159 | 0.000000 |
| Khandke 132kV | 09/01/2020 16:45:00 | 68 | 27000.0 | 3962.5 | 2004.69 | -1957.81 | 7.25 | 0.00 | 3.839 | 0.000000 |
| Khandke 132kV | 09/01/2020 17:00:00 | 69 | 27000.0 | 3935.0 | 2385.94 | -1549.06 | 5.74 | 0.00 | 1.727 | 0.000000 |
| Khandke 132kV | 09/01/2020 17:15:00 | 70 | 27000.0 | 3962.5 | 2495.31 | -1467.19 | 5.43 | 0.00 | 3.839 | 504.296348 |
| Khandke 132kV | 09/01/2020 17:30:00 | 71 | 27000.0 | 3977.5 | 2884.37 | -1093.13 | 4.05 | 0.00 | -2.879 | 0.000000 |
| Khandke 132kV | 09/01/2020 17:45:00 | 72 | 27000.0 | 3967.5 | 3067.19 | -900.31 | 3.33 | 0.00 | -4.146 | 0.000000 |
| Khandke 132kV | 09/01/2020 18:00:00 | 73 | 27000.0 | 3985.0 | 3207.81 | -777.19 | 2.88 | 0.00 | -3.349 | 0.000000 |
| Khandke 132kV | 09/01/2020 18:15:00 | 74 | 27000.0 | 3912.5 | 3735.94 | -176.56 | 0.65 | 0.00 | -4.563 | 0.000000 |
| Khandke 132kV | 09/01/2020 18:30:00 | 75 | 27000.0 | 4002.5 | 3838.28 | -164.22 | 0.61 | 0.00 | -3.839 | 0.000000 |
| Khandke 132kV | 09/01/2020 18:45:00 | 76 | 27000.0 | 4010.0 | 3871.88 | -138.12 | 0.51 | 0.00 | -2.879 | 0.000000 |
| Khandke 132kV | 09/01/2020 19:00:00 | 77 | 27000.0 | 3992.5 | 3788.28 | -204.22 | 0.76 | 0.00 | -3.199 | 0.000000 |
| Khandke 132kV | 09/01/2020 19:15:00 | 78 | 27000.0 | 3992.5 | 3870.31 | -122.19 | 0.45 | 0.00 | -1.727 | 0.000000 |
| Khandke 132kV | 09/01/2020 19:30:00 | 79 | 27000.0 | 5667.5 | 4080.47 | -1587.03 | 5.88 | 0.00 | -1.442 | 0.000000 |
| Khandke 132kV | 09/01/2020 19:45:00 | 80 | 27000.0 | 5780.0 | 3992.19 | -1787.81 | 6.62 | 0.00 | -0.286 | 0.000000 |
| Khandke 132kV | 09/01/2020 20:00:00 | 81 | 27000.0 | 5862.5 | 4081.25 | -1781.25 | 6.6 | 0.00 | -1.070 | 0.000000 |
| Khandke 132kV | 09/01/2020 20:15:00 | 82 | 27000.0 | 5917.5 | 4081.25 | -1836.25 | 6.8 | 0.00 | -2.236 | 0.000000 |
| Khandke 132kV | 09/01/2020 20:30:00 | 83 | 27000.0 | 5967.5 | 4017.19 | -1950.31 | 7.22 | 0.00 | -4.799 | 0.000000 |
| Khandke 132kV | 09/01/2020 20:45:00 | 84 | 27000.0 | 5995.0 | 4285.16 | -1709.84 | 6.33 | 0.00 | -1.727 | 0.000000 |
| Khandke 132kV | 09/01/2020 21:00:00 | 85 | 27000.0 | 3977.5 | 4738.28 | 760.78 | 2.82 | 0.00 | -1.727 | 0.000000 |
| Khandke 132kV | 09/01/2020 21:15:00 | 86 | 27000.0 | 3967.5 | 5814.84 | 1847.34 | 6.84 | 0.00 | 1.152 | 0.000000 |
| Khandke 132kV | 09/01/2020 21:30:00 | 87 | 27000.0 | 3985.0 | 6560.94 | 2575.94 | 9.54 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khandke 132kV | 09/01/2020 21:45:00 | 88 | 27000.0 | 3917.5 | 8150.78 | 4233.28 | 15.68 | 91.64 | -2.303 | 0.000000 |
| Khandke 132kV | 09/01/2020 22:00:00 | 89 | 27000.0 | 3942.5 | 11598.44 | 7655.94 | 28.36 | 2255.94 | -2.795 | 0.000000 |
| Khandke 132kV | 09/01/2020 22:15:00 | 90 | 27000.0 | 3972.5 | 12598.44 | 8625.94 | 31.95 | 3225.94 | -3.674 | 0.000000 |
| Khandke 132kV | 09/01/2020 22:30:00 | 91 | 27000.0 | 3962.5 | 11739.06 | 7776.56 | 28.8 | 2376.56 | -2.303 | 0.000000 |
| Khandke 132kV | 09/01/2020 22:45:00 | 92 | 27000.0 | 3935.0 | 11487.5 | 7552.5 | 27.97 | 2152.50 | -1.152 | 0.000000 |
| Khandke 132kV | 09/01/2020 23:00:00 | 93 | 27000.0 | 3962.5 | 11785.16 | 7822.66 | 28.97 | 2422.66 | 0.000 | 0.000000 |
| Khandke 132kV | 09/01/2020 23:15:00 | 94 | 27000.0 | 3977.5 | 11834.38 | 7856.88 | 29.1 | 2456.88 | -0.576 | 0.000000 |
| Khandke 132kV | 09/01/2020 23:30:00 | 95 | 27000.0 | 3967.5 | 12094.53 | 8127.03 | 30.1 | 2727.03 | -0.576 | 0.000000 |
| Khandke 132kV | 09/01/2020 23:45:00 | 96 | 27000.0 | 3985.0 | 12321.88 | 8336.88 | 30.88 | 2936.88 | -0.987 | 0.000000 |
| Khandke 132kV | 10/01/2020 00:00:00 | 1 | 27000.0 | 3382.5 | 12482.81 | 9100.31 | 33.7 | 3700.31 | -0.680 | 0.000000 |
| Khandke 132kV | 10/01/2020 00:15:00 | 2 | 27000.0 | 4662.5 | 11925.78 | 7263.28 | 26.9 | 1863.28 | -3.326 | 0.000000 |
| Khandke 132kV | 10/01/2020 00:30:00 | 3 | 27000.0 | 4635.0 | 11064.85 | 6429.85 | 23.81 | 1189.93 | -2.992 | 0.000000 |
| Khandke 132kV | 10/01/2020 00:45:00 | 4 | 27000.0 | 4590.0 | 11401.56 | 6811.56 | 25.23 | 1411.56 | -0.532 | 0.000000 |
| Khandke 132kV | 10/01/2020 01:00:00 | 5 | 27000.0 | 4380.0 | 11782.81 | 7402.81 | 27.42 | 2002.81 | -0.713 | 0.000000 |
| Khandke 132kV | 10/01/2020 01:15:00 | 6 | 27000.0 | 4385.0 | 12285.94 | 7900.94 | 29.26 | 2500.94 | -0.548 | 0.000000 |
| Khandke 132kV | 10/01/2020 01:30:00 | 7 | 27000.0 | 4135.0 | 12252.34 | 8117.34 | 30.06 | 2717.34 | -2.658 | 0.000000 |
| Khandke 132kV | 10/01/2020 01:45:00 | 8 | 27000.0 | 13662.5 | 12457.81 | -1204.69 | 4.46 | 0.00 | 2.127 | 0.000000 |
| Khandke 132kV | 10/01/2020 02:00:00 | 9 | 27000.0 | 13405.0 | 12465.62 | -939.38 | 3.48 | 0.00 | 5.342 | 1840.592836 |
| Khandke 132kV | 10/01/2020 02:15:00 | 10 | 27000.0 | 13312.5 | 12537.5 | -775.0 | 2.87 | 0.00 | 1.595 | 0.000000 |
| Khandke 132kV | 10/01/2020 02:30:00 | 11 | 27000.0 | 13080.0 | 12821.88 | -258.12 | 0.96 | 0.00 | 3.326 | 0.000000 |
| Khandke 132kV | 10/01/2020 02:45:00 | 12 | 27000.0 | 13052.5 | 13628.12 | 575.62 | 2.13 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khandke 132kV | 10/01/2020 03:00:00 | 13 | 27000.0 | 10497.5 | 13665.62 | 3168.12 | 11.73 | 0.00 | 2.658 | 0.000000 |
| Khandke 132kV | 10/01/2020 03:15:00 | 14 | 27000.0 | 10347.5 | 12768.75 | 2421.25 | 8.97 | 0.00 | 2.127 | 0.000000 |
| Khandke 132kV | 10/01/2020 03:30:00 | 15 | 27000.0 | 10135.0 | 12017.97 | 1882.97 | 6.97 | 0.00 | 2.127 | 0.000000 |
| Khandke 132kV | 10/01/2020 03:45:00 | 16 | 27000.0 | 9892.5 | 12023.44 | 2130.94 | 7.89 | 0.00 | -1.063 | 0.000000 |
| Khandke 132kV | 10/01/2020 04:00:00 | 17 | 27000.0 | 10280.0 | 12305.47 | 2025.47 | 7.5 | 0.00 | 1.595 | 0.000000 |
| Khandke 132kV | 10/01/2020 04:15:00 | 18 | 27000.0 | 9852.5 | 12316.41 | 2463.91 | 9.13 | 0.00 | 3.326 | 0.000000 |
| Khandke 132kV | 10/01/2020 04:30:00 | 19 | 27000.0 | 11405.0 | 12649.22 | 1244.22 | 4.61 | 0.00 | 3.326 | 0.000000 |
| Khandke 132kV | 10/01/2020 04:45:00 | 20 | 27000.0 | 11380.0 | 13230.47 | 1850.47 | 6.85 | 0.00 | 2.127 | 0.000000 |
| Khandke 132kV | 10/01/2020 05:00:00 | 21 | 27000.0 | 11337.5 | 12971.88 | 1634.38 | 6.05 | 0.00 | 2.992 | 0.000000 |
| Khandke 132kV | 10/01/2020 05:15:00 | 22 | 27000.0 | 11162.5 | 12868.75 | 1706.25 | 6.32 | 0.00 | 1.063 | 0.000000 |
| Khandke 132kV | 10/01/2020 05:30:00 | 23 | 27000.0 | 11090.0 | 12731.25 | 1641.25 | 6.08 | 0.00 | -2.658 | 0.000000 |
| Khandke 132kV | 10/01/2020 05:45:00 | 24 | 27000.0 | 10905.0 | 12456.25 | 1551.25 | 5.75 | 0.00 | 2.127 | 0.000000 |
| Khandke 132kV | 10/01/2020 06:00:00 | 25 | 27000.0 | 10840.0 | 11493.75 | 653.75 | 2.42 | 0.00 | -2.127 | 0.000000 |
| Khandke 132kV | 10/01/2020 06:15:00 | 26 | 27000.0 | 10812.5 | 11259.38 | 446.88 | 1.66 | 0.00 | 2.658 | 0.000000 |
| Khandke 132kV | 10/01/2020 06:30:00 | 27 | 27000.0 | 10627.5 | 11417.97 | 790.47 | 2.93 | 0.00 | -2.992 | 0.000000 |
| Khandke 132kV | 10/01/2020 06:45:00 | 28 | 27000.0 | 10590.0 | 10666.41 | 76.41 | 0.28 | 0.00 | -3.077 | 0.000000 |
| Khandke 132kV | 10/01/2020 07:00:00 | 29 | 27000.0 | 10412.5 | 11099.22 | 686.72 | 2.54 | 0.00 | -0.687 | 0.000000 |
| Khandke 132kV | 10/01/2020 07:15:00 | 30 | 27000.0 | 10312.5 | 10595.31 | 282.81 | 1.05 | 0.00 | -2.658 | 0.000000 |
| Khandke 132kV | 10/01/2020 07:30:00 | 31 | 27000.0 | 10080.0 | 9721.88 | -358.12 | 1.33 | 0.00 | -1.063 | 0.000000 |
| Khandke 132kV | 10/01/2020 07:45:00 | 32 | 27000.0 | 10090.0 | 8729.69 | -1360.31 | 5.04 | 0.00 | -2.658 | 0.000000 |
| Khandke 132kV | 10/01/2020 08:00:00 | 33 | 27000.0 | 10062.5 | 7560.15 | -2502.35 | 9.27 | 0.00 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khandke 132kV | 10/01/2020 08:15:00 | 34 | 27000.0 | 9367.5 | 6420.31 | -2947.19 | 10.92 | 0.00 | -4.661 | 0.000000 |
| Khandke 132kV | 10/01/2020 08:30:00 | 35 | 27000.0 | 8905.0 | 6035.94 | -2869.06 | 10.63 | 0.00 | 5.663 | 0.000000 |
| Khandke 132kV | 10/01/2020 08:45:00 | 36 | 27000.0 | 8470.0 | 5232.03 | -3237.97 | 11.99 | 0.00 | 4.328 | 0.000000 |
| Khandke 132kV | 10/01/2020 09:00:00 | 37 | 27000.0 | 7910.0 | 4758.59 | -3151.41 | 11.67 | 0.00 | -4.995 | 0.000000 |
| Khandke 132kV | 10/01/2020 09:15:00 | 38 | 27000.0 | 7397.5 | 3721.88 | -3675.62 | 13.61 | 0.00 | -4.327 | 0.000000 |
| Khandke 132kV | 10/01/2020 09:30:00 | 39 | 27000.0 | 4007.5 | 3189.84 | -817.66 | 3.03 | 0.00 | -2.127 | 0.000000 |
| Khandke 132kV | 10/01/2020 09:45:00 | 40 | 27000.0 | 4002.5 | 2881.25 | -1121.25 | 4.15 | 0.00 | -1.152 | 0.000000 |
| Khandke 132kV | 10/01/2020 10:00:00 | 41 | 27000.0 | 4010.0 | 2296.88 | -1713.12 | 6.34 | 0.00 | 0.000 | 0.000000 |
| Khandke 132kV | 10/01/2020 10:15:00 | 42 | 27000.0 | 3992.5 | 1603.91 | -2388.59 | 8.85 | 0.00 | -0.532 | 0.000000 |
| Khandke 132kV | 10/01/2020 10:30:00 | 43 | 27000.0 | 3992.5 | 1203.13 | -2789.37 | 10.33 | 0.00 | -1.063 | 0.000000 |
| Khandke 132kV | 10/01/2020 10:45:00 | 44 | 27000.0 | 3917.5 | 697.66 | -3219.84 | 11.93 | 0.00 | 0.000 | 0.000000 |
| Khandke 132kV | 10/01/2020 11:00:00 | 45 | 27000.0 | 3942.5 | 327.34 | -3615.16 | 13.39 | 0.00 | 2.658 | 0.000000 |
| Khandke 132kV | 10/01/2020 11:15:00 | 46 | 27000.0 | 3972.5 | 270.31 | -3702.19 | 13.71 | 0.00 | 0.000 | 0.000000 |
| Khandke 132kV | 10/01/2020 11:30:00 | 47 | 27000.0 | 3962.5 | 215.63 | -3746.87 | 13.88 | 0.00 | -1.595 | 0.000000 |
| Khandke 132kV | 10/01/2020 11:45:00 | 48 | 27000.0 | 3935.0 | 214.06 | -3720.94 | 13.78 | 0.00 | 2.992 | 0.000000 |
| Khandke 132kV | 10/01/2020 12:00:00 | 49 | 27000.0 | 3962.5 | 287.5 | -3675.0 | 13.61 | 0.00 | 0.000 | 0.000000 |
| Khandke 132kV | 10/01/2020 12:15:00 | 50 | 27000.0 | 3977.5 | 359.38 | -3618.12 | 13.4 | 0.00 | 2.127 | 0.000000 |
| Khandke 132kV | 10/01/2020 12:30:00 | 51 | 27000.0 | 3967.5 | 424.22 | -3543.28 | 13.12 | 0.00 | 1.595 | 0.000000 |
| Khandke 132kV | 10/01/2020 12:45:00 | 52 | 27000.0 | 3985.0 | 452.34 | -3532.66 | 13.08 | 0.00 | -1.063 | 0.000000 |
| Khandke 132kV | 10/01/2020 13:00:00 | 53 | 27000.0 | 3912.5 | 551.56 | -3360.94 | 12.45 | 0.00 | 2.658 | 0.000000 |
| Khandke 132kV | 10/01/2020 13:15:00 | 54 | 27000.0 | 4002.5 | 657.03 | -3345.47 | 12.39 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khandke 132kV | 10/01/2020 13:30:00 | 55 | 27000.0 | 4010.0 | 714.84 | -3295.16 | 12.2 | 0.00 | 2.127 | 0.000000 |
| Khandke 132kV | 10/01/2020 13:45:00 | 56 | 27000.0 | 3992.5 | 814.06 | -3178.44 | 11.77 | 0.00 | -3.326 | 0.000000 |
| Khandke 132kV | 10/01/2020 14:00:00 | 57 | 27000.0 | 3992.5 | 819.53 | -3172.97 | 11.75 | 0.00 | -2.992 | 0.000000 |
| Khandke 132kV | 10/01/2020 14:15:00 | 58 | 27000.0 | 3917.5 | 860.16 | -3057.34 | 11.32 | 0.00 | 3.660 | 0.000000 |
| Khandke 132kV | 10/01/2020 14:30:00 | 59 | 27000.0 | 3942.5 | 901.56 | -3040.94 | 11.26 | 0.00 | -2.127 | 0.000000 |
| Khandke 132kV | 10/01/2020 14:45:00 | 60 | 27000.0 | 3972.5 | 907.03 | -3065.47 | 11.35 | 0.00 | -2.127 | 0.000000 |
| Khandke 132kV | 10/01/2020 15:00:00 | 61 | 27000.0 | 3962.5 | 967.97 | -2994.53 | 11.09 | 0.00 | 0.000 | 0.000000 |
| Khandke 132kV | 10/01/2020 15:15:00 | 62 | 27000.0 | 3935.0 | 1069.53 | -2865.47 | 10.61 | 0.00 | -2.992 | 0.000000 |
| Khandke 132kV | 10/01/2020 15:30:00 | 63 | 27000.0 | 3962.5 | 1094.53 | -2867.97 | 10.62 | 0.00 | -4.995 | 0.000000 |
| Khandke 132kV | 10/01/2020 15:45:00 | 64 | 27000.0 | 3977.5 | 1101.56 | -2875.94 | 10.65 | 0.00 | -4.327 | 0.000000 |
| Khandke 132kV | 10/01/2020 16:00:00 | 65 | 27000.0 | 3967.5 | 1202.34 | -2765.16 | 10.24 | 0.00 | -4.995 | 0.000000 |
| Khandke 132kV | 10/01/2020 16:15:00 | 66 | 27000.0 | 3985.0 | 1101.56 | -2883.44 | 10.68 | 0.00 | -8.000 | 0.000000 |
| Khandke 132kV | 10/01/2020 16:30:00 | 67 | 27000.0 | 4020.0 | 991.41 | -3028.59 | 11.22 | 0.00 | -8.000 | 0.000000 |
| Khandke 132kV | 10/01/2020 16:45:00 | 68 | 27000.0 | 4010.0 | 1037.5 | -2972.5 | 11.01 | 0.00 | 4.327 | 0.000000 |
| Khandke 132kV | 10/01/2020 17:00:00 | 69 | 27000.0 | 4007.5 | 1073.44 | -2934.06 | 10.87 | 0.00 | 0.532 | 0.000000 |
| Khandke 132kV | 10/01/2020 17:15:00 | 70 | 27000.0 | 4002.5 | 1152.34 | -2850.16 | 10.56 | 0.00 | -1.595 | 0.000000 |
| Khandke 132kV | 10/01/2020 17:30:00 | 71 | 27000.0 | 4010.0 | 1528.12 | -2481.88 | 9.19 | 0.00 | -2.658 | 0.000000 |
| Khandke 132kV | 10/01/2020 17:45:00 | 72 | 27000.0 | 3992.5 | 2016.41 | -1976.09 | 7.32 | 0.00 | -2.127 | 0.000000 |
| Khandke 132kV | 10/01/2020 18:00:00 | 73 | 27000.0 | 3992.5 | 2714.84 | -1277.66 | 4.73 | 0.00 | -1.461 | 0.000000 |
| Khandke 132kV | 10/01/2020 18:15:00 | 74 | 27000.0 | 3917.5 | 3620.31 | -297.19 | 1.1 | 0.00 | 3.326 | 104.437391 |
| Khandke 132kV | 10/01/2020 18:30:00 | 75 | 27000.0 | 3942.5 | 4443.75 | 501.25 | 1.86 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khandke 132kV | 10/01/2020 18:45:00 | 76 | 27000.0 | 3972.5 | 5070.31 | 1097.81 | 4.07 | 0.00 | 3.994 | 0.000000 |
| Khandke 132kV | 10/01/2020 19:00:00 | 77 | 27000.0 | 3962.5 | 5742.97 | 1780.47 | 6.59 | 0.00 | -2.127 | 0.000000 |
| Khandke 132kV | 10/01/2020 19:15:00 | 78 | 27000.0 | 3935.0 | 5955.47 | 2020.47 | 7.48 | 0.00 | -2.658 | 0.000000 |
| Khandke 132kV | 10/01/2020 19:30:00 | 79 | 27000.0 | 3962.5 | 6078.12 | 2115.62 | 7.84 | 0.00 | -3.660 | 0.000000 |
| Khandke 132kV | 10/01/2020 19:45:00 | 80 | 27000.0 | 3977.5 | 5756.25 | 1778.75 | 6.59 | 0.00 | -3.326 | 0.000000 |
| Khandke 132kV | 10/01/2020 20:00:00 | 81 | 27000.0 | 3967.5 | 6246.09 | 2278.59 | 8.44 | 0.00 | 3.660 | 0.000000 |
| Khandke 132kV | 10/01/2020 20:15:00 | 82 | 27000.0 | 3985.0 | 6678.91 | 2693.91 | 9.98 | 0.00 | 3.660 | 0.000000 |
| Khandke 132kV | 10/01/2020 20:30:00 | 83 | 27000.0 | 3912.5 | 6869.53 | 2957.03 | 10.95 | 0.00 | 4.995 | 0.000000 |
| Khandke 132kV | 10/01/2020 20:45:00 | 84 | 27000.0 | 4002.5 | 6996.88 | 2994.38 | 11.09 | 0.00 | 2.992 | 0.000000 |
| Khandke 132kV | 10/01/2020 21:00:00 | 85 | 27000.0 | 5087.5 | 6960.16 | 1872.66 | 6.94 | 0.00 | -3.660 | 0.000000 |
| Khandke 132kV | 10/01/2020 21:15:00 | 86 | 27000.0 | 5255.0 | 6987.5 | 1732.5 | 6.42 | 0.00 | -1.595 | 0.000000 |
| Khandke 132kV | 10/01/2020 21:30:00 | 87 | 27000.0 | 5495.0 | 6464.06 | 969.06 | 3.59 | 0.00 | -1.063 | 0.000000 |
| Khandke 132kV | 10/01/2020 21:45:00 | 88 | 27000.0 | 5587.5 | 5026.56 | -560.94 | 2.08 | 0.00 | -0.532 | 0.000000 |
| Khandke 132kV | 10/01/2020 22:00:00 | 89 | 27000.0 | 5905.0 | 4738.28 | -1166.72 | 4.32 | 0.00 | -1.595 | 0.000000 |
| Khandke 132kV | 10/01/2020 22:15:00 | 90 | 27000.0 | 4912.5 | 4229.69 | -682.81 | 2.53 | 0.00 | -2.127 | 0.000000 |
| Khandke 132kV | 10/01/2020 22:30:00 | 91 | 27000.0 | 5087.5 | 4601.56 | -485.94 | 1.8 | 0.00 | 1.063 | 0.000000 |
| Khandke 132kV | 10/01/2020 22:45:00 | 92 | 27000.0 | 5040.0 | 5079.69 | 39.69 | 0.15 | 0.00 | -2.658 | 0.000000 |
| Khandke 132kV | 10/01/2020 23:00:00 | 93 | 27000.0 | 5337.5 | 5536.72 | 199.22 | 0.74 | 0.00 | -2.658 | 0.000000 |
| Khandke 132kV | 10/01/2020 23:15:00 | 94 | 27000.0 | 5420.0 | 6157.81 | 737.81 | 2.73 | 0.00 | 0.000 | 0.000000 |
| Khandke 132kV | 10/01/2020 23:30:00 | 95 | 27000.0 | 5580.0 | 6162.5 | 582.5 | 2.16 | 0.00 | 0.000 | 0.000000 |
| Khandke 132kV | 10/01/2020 23:45:00 | 96 | 27000.0 | 5745.0 | 6421.09 | 676.09 | 2.5 | 0.00 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khandke 132kV | 11/01/2020 00:00:00 | 1 | 27000.0 | 6070.0 | 6507.03 | 437.03 | 1.62 | 0.00 | 0.000 | 0.000000 |
| Khandke 132kV | 11/01/2020 00:15:00 | 2 | 27000.0 | 6137.5 | 6835.94 | 698.44 | 2.59 | 0.00 | -2.629 | 0.000000 |
| Khandke 132kV | 11/01/2020 00:30:00 | 3 | 27000.0 | 6090.0 | 7017.97 | 927.97 | 3.44 | 0.00 | -1.577 | 0.000000 |
| Khandke 132kV | 11/01/2020 00:45:00 | 4 | 27000.0 | 6087.5 | 6853.91 | 766.41 | 2.84 | 0.00 | 2.103 | 0.000000 |
| Khandke 132kV | 11/01/2020 01:00:00 | 5 | 27000.0 | 6057.5 | 6935.94 | 878.44 | 3.25 | 0.00 | 2.964 | 0.000000 |
| Khandke 132kV | 11/01/2020 01:15:00 | 6 | 27000.0 | 6022.5 | 6698.44 | 675.94 | 2.5 | 0.00 | 1.052 | 0.000000 |
| Khandke 132kV | 11/01/2020 01:30:00 | 7 | 27000.0 | 6190.0 | 6956.25 | 766.25 | 2.84 | 0.00 | 1.577 | 0.000000 |
| Khandke 132kV | 11/01/2020 01:45:00 | 8 | 27000.0 | 6110.0 | 7092.19 | 982.19 | 3.64 | 0.00 | -0.526 | 0.000000 |
| Khandke 132kV | 11/01/2020 02:00:00 | 9 | 27000.0 | 5590.0 | 7610.94 | 2020.94 | 7.48 | 0.00 | -0.403 | 0.000000 |
| Khandke 132kV | 11/01/2020 02:15:00 | 10 | 27000.0 | 6030.0 | 8275.0 | 2245.0 | 8.31 | 0.00 | -0.630 | 0.000000 |
| Khandke 132kV | 11/01/2020 02:30:00 | 11 | 27000.0 | 5942.5 | 8385.16 | 2442.66 | 9.05 | 0.00 | -0.526 | 0.000000 |
| Khandke 132kV | 11/01/2020 02:45:00 | 12 | 27000.0 | 5475.0 | 8832.03 | 3357.03 | 12.43 | 0.00 | -0.526 | -159.864234 |
| Khandke 132kV | 11/01/2020 03:00:00 | 13 | 27000.0 | 5302.5 | 9063.28 | 3760.78 | 13.93 | 0.00 | -1.051 | 0.000000 |
| Khandke 132kV | 11/01/2020 03:15:00 | 14 | 27000.0 | 5222.5 | 9178.91 | 3956.41 | 14.65 | 0.00 | 0.000 | 0.000000 |
| Khandke 132kV | 11/01/2020 03:30:00 | 15 | 27000.0 | 5250.0 | 9610.15 | 4360.15 | 16.15 | 155.08 | 0.000 | 0.000000 |
| Khandke 132kV | 11/01/2020 03:45:00 | 16 | 27000.0 | 5297.5 | 10046.09 | 4748.59 | 17.59 | 349.30 | 0.000 | 0.000000 |
| Khandke 132kV | 11/01/2020 04:00:00 | 17 | 27000.0 | 5217.5 | 9325.78 | 4108.28 | 15.22 | 29.14 | 0.000 | 0.000000 |
| Khandke 132kV | 11/01/2020 04:15:00 | 18 | 27000.0 | 6912.5 | 8623.44 | 1710.94 | 6.34 | 0.00 | -1.051 | 0.000000 |
| Khandke 132kV | 11/01/2020 04:30:00 | 19 | 27000.0 | 6662.5 | 8555.47 | 1892.97 | 7.01 | 0.00 | -2.964 | 0.000000 |
| Khandke 132kV | 11/01/2020 04:45:00 | 20 | 27000.0 | 6630.0 | 8029.69 | 1399.69 | 5.18 | 0.00 | -3.300 | 0.000000 |
| Khandke 132kV | 11/01/2020 05:00:00 | 21 | 27000.0 | 6635.0 | 7718.75 | 1083.75 | 4.01 | 0.00 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khandke 132kV | 11/01/2020 05:15:00 | 22 | 27000.0 | 6645.0 | 7703.12 | 1058.12 | 3.92 | 0.00 | 5.314 | 0.000000 |
| Khandke 132kV | 11/01/2020 05:30:00 | 23 | 27000.0 | 6385.0 | 6841.4 | 456.4 | 1.69 | 0.00 | 2.964 | 0.000000 |
| Khandke 132kV | 11/01/2020 05:45:00 | 24 | 27000.0 | 6382.5 | 5656.25 | -726.25 | 2.69 | 0.00 | 2.103 | 0.000000 |
| Khandke 132kV | 11/01/2020 06:00:00 | 25 | 27000.0 | 6127.5 | 5983.59 | -143.91 | 0.53 | 0.00 | 3.636 | 0.000000 |
| Khandke 132kV | 11/01/2020 06:15:00 | 26 | 27000.0 | 6080.0 | 6579.69 | 499.69 | 1.85 | 0.00 | 2.964 | 0.000000 |
| Khandke 132kV | 11/01/2020 06:30:00 | 27 | 27000.0 | 6027.5 | 6493.75 | 466.25 | 1.73 | 0.00 | 4.105 | 0.000000 |
| Khandke 132kV | 11/01/2020 06:45:00 | 28 | 27000.0 | 5905.0 | 6895.31 | 990.31 | 3.67 | 0.00 | 5.650 | 0.000000 |
| Khandke 132kV | 11/01/2020 07:00:00 | 29 | 27000.0 | 5802.5 | 7704.69 | 1902.19 | 7.05 | 0.00 | 3.300 | 0.000000 |
| Khandke 132kV | 11/01/2020 07:15:00 | 30 | 27000.0 | 5630.0 | 8661.72 | 3031.72 | 11.23 | 0.00 | 5.314 | 0.000000 |
| Khandke 132kV | 11/01/2020 07:30:00 | 31 | 27000.0 | 5330.0 | 8661.72 | 3331.72 | 12.34 | 0.00 | 2.964 | 0.000000 |
| Khandke 132kV | 11/01/2020 07:45:00 | 32 | 27000.0 | 4912.5 | 7826.56 | 2914.06 | 10.79 | 0.00 | 2.103 | 0.000000 |
| Khandke 132kV | 11/01/2020 08:00:00 | 33 | 27000.0 | 4630.0 | 6686.72 | 2056.72 | 7.62 | 0.00 | -1.577 | -73.690626 |
| Khandke 132kV | 11/01/2020 08:15:00 | 34 | 27000.0 | 4412.5 | 5527.34 | 1114.84 | 4.13 | 0.00 | 3.300 | 0.000000 |
| Khandke 132kV | 11/01/2020 08:30:00 | 35 | 27000.0 | 3962.5 | 4952.34 | 989.84 | 3.67 | 0.00 | 2.116 | 0.000000 |
| Khandke 132kV | 11/01/2020 08:45:00 | 36 | 27000.0 | 3935.0 | 4189.06 | 254.06 | 0.94 | 0.00 | 2.964 | 0.000000 |
| Khandke 132kV | 11/01/2020 09:00:00 | 37 | 27000.0 | 3962.5 | 3653.91 | -308.59 | 1.14 | 0.00 | 6.681 | 0.000000 |
| Khandke 132kV | 11/01/2020 09:15:00 | 38 | 27000.0 | 3977.5 | 3290.62 | -686.88 | 2.54 | 0.00 | 6.657 | 0.000000 |
| Khandke 132kV | 11/01/2020 09:30:00 | 39 | 27000.0 | 3967.5 | 2747.66 | -1219.84 | 4.52 | 0.00 | -6.322 | 0.000000 |
| Khandke 132kV | 11/01/2020 09:45:00 | 40 | 27000.0 | 3985.0 | 2453.12 | -1531.88 | 5.67 | 0.00 | -2.103 | 0.000000 |
| Khandke 132kV | 11/01/2020 10:00:00 | 41 | 27000.0 | 3912.5 | 2501.56 | -1410.94 | 5.23 | 0.00 | 0.526 | 0.000000 |
| Khandke 132kV | 11/01/2020 10:15:00 | 42 | 27000.0 | 4002.5 | 2771.09 | -1231.41 | 4.56 | 0.00 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khandke 132kV | 11/01/2020 10:30:00 | 43 | 27000.0 | 4010.0 | 3192.97 | -817.03 | 3.03 | 0.00 | 0.000 | 0.000000 |
| Khandke 132kV | 11/01/2020 10:45:00 | 44 | 27000.0 | 3992.5 | 3096.88 | -895.62 | 3.32 | 0.00 | 0.000 | 0.000000 |
| Khandke 132kV | 11/01/2020 11:00:00 | 45 | 27000.0 | 3992.5 | 2352.34 | -1640.16 | 6.07 | 0.00 | 0.000 | 0.000000 |
| Khandke 132kV | 11/01/2020 11:15:00 | 46 | 27000.0 | 3917.5 | 1893.75 | -2023.75 | 7.5 | 0.00 | -2.964 | 0.000000 |
| Khandke 132kV | 11/01/2020 11:30:00 | 47 | 27000.0 | 3942.5 | 1678.12 | -2264.38 | 8.39 | 0.00 | -4.307 | 0.000000 |
| Khandke 132kV | 11/01/2020 11:45:00 | 48 | 27000.0 | 3972.5 | 1505.47 | -2467.03 | 9.14 | 0.00 | -3.300 | 0.000000 |
| Khandke 132kV | 11/01/2020 12:00:00 | 49 | 27000.0 | 3962.5 | 1583.59 | -2378.91 | 8.81 | 0.00 | -0.526 | 0.000000 |
| Khandke 132kV | 11/01/2020 12:15:00 | 50 | 27000.0 | 3935.0 | 1424.22 | -2510.78 | 9.3 | 0.00 | -2.103 | 0.000000 |
| Khandke 132kV | 11/01/2020 12:30:00 | 51 | 27000.0 | 3962.5 | 1357.81 | -2604.69 | 9.65 | 0.00 | -2.629 | 0.000000 |
| Khandke 132kV | 11/01/2020 12:45:00 | 52 | 27000.0 | 3977.5 | 1405.47 | -2572.03 | 9.53 | 0.00 | -2.629 | 0.000000 |
| Khandke 132kV | 11/01/2020 13:00:00 | 53 | 27000.0 | 3967.5 | 917.19 | -3050.31 | 11.3 | 0.00 | 0.000 | 0.000000 |
| Khandke 132kV | 11/01/2020 13:15:00 | 54 | 27000.0 | 3985.0 | 578.91 | -3406.09 | 12.62 | 0.00 | -2.103 | 0.000000 |
| Khandke 132kV | 11/01/2020 13:30:00 | 55 | 27000.0 | 4020.0 | 533.59 | -3486.41 | 12.91 | 0.00 | 2.629 | 0.000000 |
| Khandke 132kV | 11/01/2020 13:45:00 | 56 | 27000.0 | 4010.0 | 646.09 | -3363.91 | 12.46 | 0.00 | 2.103 | 0.000000 |
| Khandke 132kV | 11/01/2020 14:00:00 | 57 | 27000.0 | 4007.5 | 535.16 | -3472.34 | 12.86 | 0.00 | 1.051 | 0.000000 |
| Khandke 132kV | 11/01/2020 14:15:00 | 58 | 27000.0 | 4002.5 | 308.59 | -3693.91 | 13.68 | 0.00 | 3.300 | 0.000000 |
| Khandke 132kV | 11/01/2020 14:30:00 | 59 | 27000.0 | 4010.0 | 193.75 | -3816.25 | 14.13 | 0.00 | -3.636 | 0.000000 |
| Khandke 132kV | 11/01/2020 14:45:00 | 60 | 27000.0 | 3992.5 | 60.94 | -3931.56 | 14.56 | 0.00 | 4.979 | 0.000000 |
| Khandke 132kV | 11/01/2020 15:00:00 | 61 | 27000.0 | 3492.5 | 36.72 | -3455.78 | 12.8 | 0.00 | -2.964 | 0.000000 |
| Khandke 132kV | 11/01/2020 15:15:00 | 62 | 27000.0 | 3417.5 | 34.37 | -3383.13 | 12.53 | 0.00 | -5.314 | 0.000000 |
| Khandke 132kV | 11/01/2020 15:30:00 | 63 | 27000.0 | 3442.5 | 32.81 | -3409.69 | 12.63 | 0.00 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khandke 132kV | 11/01/2020 15:45:00 | 64 | 27000.0 | 3472.5 | 25.0 | -3447.5 | 12.77 | 0.00 | 4.643 | 0.000000 |
| Khandke 132kV | 11/01/2020 16:00:00 | 65 | 27000.0 | 3462.5 | 56.25 | -3406.25 | 12.62 | 0.00 | 2.103 | 0.000000 |
| Khandke 132kV | 11/01/2020 16:15:00 | 66 | 27000.0 | 3435.0 | 102.34 | -3332.66 | 12.34 | 0.00 | -2.964 | 0.000000 |
| Khandke 132kV | 11/01/2020 16:30:00 | 67 | 27000.0 | 3462.5 | 181.25 | -3281.25 | 12.15 | 0.00 | -2.103 | 0.000000 |
| Khandke 132kV | 11/01/2020 16:45:00 | 68 | 27000.0 | 3477.5 | 325.0 | -3152.5 | 11.68 | 0.00 | 3.972 | 0.000000 |
| Khandke 132kV | 11/01/2020 17:00:00 | 69 | 27000.0 | 3467.5 | 461.72 | -3005.78 | 11.13 | 0.00 | -1.577 | 0.000000 |
| Khandke 132kV | 11/01/2020 17:15:00 | 70 | 27000.0 | 3485.0 | 568.75 | -2916.25 | 10.8 | 0.00 | -1.577 | 0.000000 |
| Khandke 132kV | 11/01/2020 17:30:00 | 71 | 27000.0 | 3412.5 | 638.28 | -2774.22 | 10.27 | 0.00 | 1.051 | 35.397229 |
| Khandke 132kV | 11/01/2020 17:45:00 | 72 | 27000.0 | 3502.5 | 925.0 | -2577.5 | 9.55 | 0.00 | -2.103 | 0.000000 |
| Khandke 132kV | 11/01/2020 18:00:00 | 73 | 27000.0 | 3510.0 | 1142.97 | -2367.03 | 8.77 | 0.00 | -2.964 | 0.000000 |
| Khandke 132kV | 11/01/2020 18:15:00 | 74 | 27000.0 | 3492.5 | 1321.88 | -2170.62 | 8.04 | 0.00 | -2.629 | 0.000000 |
| Khandke 132kV | 11/01/2020 18:30:00 | 75 | 27000.0 | 3492.5 | 1660.94 | -1831.56 | 6.78 | 0.00 | 2.103 | 64.383901 |
| Khandke 132kV | 11/01/2020 18:45:00 | 76 | 27000.0 | 3417.5 | 2192.97 | -1224.53 | 4.54 | 0.00 | 0.526 | 126.036994 |
| Khandke 132kV | 11/01/2020 19:00:00 | 77 | 27000.0 | 3442.5 | 2549.22 | -893.28 | 3.31 | 0.00 | 2.103 | 365.169801 |
| Khandke 132kV | 11/01/2020 19:15:00 | 78 | 27000.0 | 3472.5 | 3239.06 | -233.44 | 0.86 | 0.00 | -1.052 | 0.000000 |
| Khandke 132kV | 11/01/2020 19:30:00 | 79 | 27000.0 | 3462.5 | 3822.66 | 360.16 | 1.33 | 0.00 | 2.964 | 0.000000 |
| Khandke 132kV | 11/01/2020 19:45:00 | 80 | 27000.0 | 3435.0 | 4258.59 | 823.59 | 3.05 | 0.00 | 2.629 | 0.000000 |
| Khandke 132kV | 11/01/2020 20:00:00 | 81 | 27000.0 | 3462.5 | 4474.22 | 1011.72 | 3.75 | 0.00 | 2.629 | 0.000000 |
| Khandke 132kV | 11/01/2020 20:15:00 | 82 | 27000.0 | 3477.5 | 4304.69 | 827.19 | 3.06 | 0.00 | 4.307 | 0.000000 |
| Khandke 132kV | 11/01/2020 20:30:00 | 83 | 27000.0 | 3467.5 | 4125.78 | 658.28 | 2.44 | 0.00 | 2.964 | 0.000000 |
| Khandke 132kV | 11/01/2020 20:45:00 | 84 | 27000.0 | 3485.0 | 4253.91 | 768.91 | 2.85 | 0.00 | 2.629 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khandke 132kV | 11/01/2020 21:00:00 | 85 | 27000.0 | 3520.0 | 4500.78 | 980.78 | 3.63 | 0.00 | 3.636 | 0.000000 |
| Khandke 132kV | 11/01/2020 21:15:00 | 86 | 27000.0 | 3510.0 | 4635.16 | 1125.16 | 4.17 | 0.00 | -1.577 | 0.000000 |
| Khandke 132kV | 11/01/2020 21:30:00 | 87 | 27000.0 | 3507.5 | 4775.0 | 1267.5 | 4.69 | 0.00 | -1.577 | 0.000000 |
| Khandke 132kV | 11/01/2020 21:45:00 | 88 | 27000.0 | 3502.5 | 4811.72 | 1309.22 | 4.85 | 0.00 | -1.052 | 0.000000 |
| Khandke 132kV | 11/01/2020 22:00:00 | 89 | 27000.0 | 3510.0 | 4796.09 | 1286.09 | 4.76 | 0.00 | -5.650 | 0.000000 |
| Khandke 132kV | 11/01/2020 22:15:00 | 90 | 27000.0 | 3492.5 | 4432.03 | 939.53 | 3.48 | 0.00 | -5.650 | 0.000000 |
| Khandke 132kV | 11/01/2020 22:30:00 | 91 | 27000.0 | 3492.5 | 4063.28 | 570.78 | 2.11 | 0.00 | 4.979 | 0.000000 |
| Khandke 132kV | 11/01/2020 22:45:00 | 92 | 27000.0 | 3417.5 | 3761.72 | 344.22 | 1.27 | 0.00 | 2.964 | 0.000000 |
| Khandke 132kV | 11/01/2020 23:00:00 | 93 | 27000.0 | 3442.5 | 3503.91 | 61.41 | 0.23 | 0.00 | 1.577 | 0.000000 |
| Khandke 132kV | 11/01/2020 23:15:00 | 94 | 27000.0 | 3472.5 | 3217.97 | -254.53 | 0.94 | 0.00 | 1.074 | 32.554307 |
| Khandke 132kV | 11/01/2020 23:30:00 | 95 | 27000.0 | 3462.5 | 2978.12 | -484.38 | 1.79 | 0.00 | 2.113 | 279.239429 |
| Khandke 132kV | 11/01/2020 23:45:00 | 96 | 27000.0 | 3435.0 | 2932.03 | -502.97 | 1.86 | 0.00 | 2.162 | 373.809502 |
| Khandke 132kV | 12/01/2020 00:00:00 | 1 | 27000.0 | 4337.5 | 2792.19 | -1545.31 | 5.72 | 0.00 | 3.022 | 950.470456 |
| Khandke 132kV | 12/01/2020 00:15:00 | 2 | 27000.0 | 4292.5 | 3008.59 | -1283.91 | 4.76 | 0.00 | -2.152 | 0.000000 |
| Khandke 132kV | 12/01/2020 00:30:00 | 3 | 27000.0 | 4247.5 | 2917.97 | -1329.53 | 4.92 | 0.00 | -2.152 | 0.000000 |
| Khandke 132kV | 12/01/2020 00:45:00 | 4 | 27000.0 | 4237.5 | 2656.25 | -1581.25 | 5.86 | 0.00 | -3.022 | 0.000000 |
| Khandke 132kV | 12/01/2020 01:00:00 | 5 | 27000.0 | 4205.0 | 2529.69 | -1675.31 | 6.2 | 0.00 | -0.629 | 0.000000 |
| Khandke 132kV | 12/01/2020 01:15:00 | 6 | 27000.0 | 4175.0 | 2605.47 | -1569.53 | 5.81 | 0.00 | -3.317 | 0.000000 |
| Khandke 132kV | 12/01/2020 01:30:00 | 7 | 27000.0 | 4245.0 | 2492.97 | -1752.03 | 6.49 | 0.00 | -3.354 | 0.000000 |
| Khandke 132kV | 12/01/2020 01:45:00 | 8 | 27000.0 | 4052.5 | 2563.28 | -1489.22 | 5.52 | 0.00 | -3.022 | 0.000000 |
| Khandke 132kV | 12/01/2020 02:00:00 | 9 | 27000.0 | 3965.0 | 2606.25 | -1358.75 | 5.03 | 0.00 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khandke 132kV | 12/01/2020 02:15:00 | 10 | 27000.0 | 4017.5 | 2590.62 | -1426.88 | 5.28 | 0.00 | -3.022 | 0.000000 |
| Khandke 132kV | 12/01/2020 02:30:00 | 11 | 27000.0 | 4090.0 | 2607.81 | -1482.19 | 5.49 | 0.00 | -2.690 | 0.000000 |
| Khandke 132kV | 12/01/2020 02:45:00 | 12 | 27000.0 | 4087.5 | 2602.34 | -1485.16 | 5.5 | 0.00 | -3.022 | 0.000000 |
| Khandke 132kV | 12/01/2020 03:00:00 | 13 | 27000.0 | 4102.5 | 2597.66 | -1504.84 | 5.57 | 0.00 | 3.354 | 712.522212 |
| Khandke 132kV | 12/01/2020 03:15:00 | 14 | 27000.0 | 4157.5 | 2708.59 | -1448.91 | 5.37 | 0.00 | 3.022 | 841.331288 |
| Khandke 132kV | 12/01/2020 03:30:00 | 15 | 27000.0 | 4177.5 | 2913.28 | -1264.22 | 4.68 | 0.00 | 3.354 | 272.274572 |
| Khandke 132kV | 12/01/2020 03:45:00 | 16 | 27000.0 | 4170.0 | 2911.72 | -1258.28 | 4.66 | 0.00 | 2.152 | 0.000000 |
| Khandke 132kV | 12/01/2020 04:00:00 | 17 | 27000.0 | 4010.0 | 2894.53 | -1115.47 | 4.13 | 0.00 | -2.152 | 0.000000 |
| Khandke 132kV | 12/01/2020 04:15:00 | 18 | 27000.0 | 4007.5 | 2662.5 | -1345.0 | 4.98 | 0.00 | -3.022 | 0.000000 |
| Khandke 132kV | 12/01/2020 04:30:00 | 19 | 27000.0 | 4002.5 | 2635.94 | -1366.56 | 5.06 | 0.00 | 1.076 | 0.000000 |
| Khandke 132kV | 12/01/2020 04:45:00 | 20 | 27000.0 | 4010.0 | 2239.06 | -1770.94 | 6.56 | 0.00 | -3.022 | 0.000000 |
| Khandke 132kV | 12/01/2020 05:00:00 | 21 | 27000.0 | 3992.5 | 2200.78 | -1791.72 | 6.64 | 0.00 | 3.686 | 0.000000 |
| Khandke 132kV | 12/01/2020 05:15:00 | 22 | 27000.0 | 3992.5 | 2341.41 | -1651.09 | 6.12 | 0.00 | 3.686 | 1821.598956 |
| Khandke 132kV | 12/01/2020 05:30:00 | 23 | 27000.0 | 3917.5 | 2364.06 | -1553.44 | 5.75 | 0.00 | -1.614 | 0.000000 |
| Khandke 132kV | 12/01/2020 05:45:00 | 24 | 27000.0 | 3942.5 | 2257.03 | -1685.47 | 6.24 | 0.00 | -0.496 | 0.000000 |
| Khandke 132kV | 12/01/2020 06:00:00 | 25 | 27000.0 | 3972.5 | 2121.09 | -1851.41 | 6.86 | 0.00 | 0.000 | 0.000000 |
| Khandke 132kV | 12/01/2020 06:15:00 | 26 | 27000.0 | 3962.5 | 2058.59 | -1903.91 | 7.05 | 0.00 | -0.430 | 0.000000 |
| Khandke 132kV | 12/01/2020 06:30:00 | 27 | 27000.0 | 3935.0 | 1975.78 | -1959.22 | 7.26 | 0.00 | -2.152 | 0.000000 |
| Khandke 132kV | 12/01/2020 06:45:00 | 28 | 27000.0 | 3962.5 | 1674.22 | -2288.28 | 8.48 | 0.00 | 4.681 | 0.000000 |
| Khandke 132kV | 12/01/2020 07:00:00 | 29 | 27000.0 | 3977.5 | 1345.31 | -2632.19 | 9.75 | 0.00 | 1.614 | 0.000000 |
| Khandke 132kV | 12/01/2020 07:15:00 | 30 | 27000.0 | 3967.5 | 1098.44 | -2869.06 | 10.63 | 0.00 | 3.838 | 2374.595975 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khandke 132kV | 12/01/2020 07:30:00 | 31 | 27000.0 | 3985.0 | 946.88 | -3038.12 | 11.25 | 0.00 | 3.022 | 0.000000 |
| Khandke 132kV | 12/01/2020 07:45:00 | 32 | 27000.0 | 3912.5 | 803.13 | -3109.37 | 11.52 | 0.00 | 2.690 | 0.000000 |
| Khandke 132kV | 12/01/2020 08:00:00 | 33 | 27000.0 | 4002.5 | 827.34 | -3175.16 | 11.76 | 0.00 | -2.690 | 0.000000 |
| Khandke 132kV | 12/01/2020 08:15:00 | 34 | 27000.0 | 4010.0 | 689.84 | -3320.16 | 12.3 | 0.00 | -4.018 | 0.000000 |
| Khandke 132kV | 12/01/2020 08:30:00 | 35 | 27000.0 | 3992.5 | 421.09 | -3571.41 | 13.23 | 0.00 | -2.690 | 0.000000 |
| Khandke 132kV | 12/01/2020 08:45:00 | 36 | 27000.0 | 3992.5 | 221.88 | -3770.62 | 13.97 | 0.00 | 3.022 | 0.000000 |
| Khandke 132kV | 12/01/2020 09:00:00 | 37 | 27000.0 | 3917.5 | 75.0 | -3842.5 | 14.23 | 0.00 | -3.354 | 0.000000 |
| Khandke 132kV | 12/01/2020 09:15:00 | 38 | 27000.0 | 3942.5 | 33.59 | -3908.91 | 14.48 | 0.00 | -4.350 | 0.000000 |
| Khandke 132kV | 12/01/2020 09:30:00 | 39 | 27000.0 | 3972.5 | 39.06 | -3933.44 | 14.57 | 0.00 | 2.152 | 0.000000 |
| Khandke 132kV | 12/01/2020 09:45:00 | 40 | 27000.0 | 3962.5 | 28.12 | -3934.38 | 14.57 | 0.00 | -2.690 | 0.000000 |
| Khandke 132kV | 12/01/2020 10:00:00 | 41 | 27000.0 | 3935.0 | 50.78 | -3884.22 | 14.39 | 0.00 | -3.354 | 0.000000 |
| Khandke 132kV | 12/01/2020 10:15:00 | 42 | 27000.0 | 3962.5 | 68.75 | -3893.75 | 14.42 | 0.00 | -3.686 | 0.000000 |
| Khandke 132kV | 12/01/2020 10:30:00 | 43 | 27000.0 | 3227.5 | 45.31 | -3182.19 | 11.79 | 0.00 | -1.614 | 0.000000 |
| Khandke 132kV | 12/01/2020 10:45:00 | 44 | 27000.0 | 3217.5 | 21.09 | -3196.41 | 11.84 | 0.00 | 3.686 | 0.000000 |
| Khandke 132kV | 12/01/2020 11:00:00 | 45 | 27000.0 | 3235.0 | 32.81 | -3202.19 | 11.86 | 0.00 | -3.354 | 0.000000 |
| Khandke 132kV | 12/01/2020 11:15:00 | 46 | 27000.0 | 3270.0 | 71.09 | -3198.91 | 11.85 | 0.00 | -5.450 | 0.000000 |
| Khandke 132kV | 12/01/2020 11:30:00 | 47 | 27000.0 | 3260.0 | 82.81 | -3177.19 | 11.77 | 0.00 | -6.009 | 0.000000 |
| Khandke 132kV | 12/01/2020 11:45:00 | 48 | 27000.0 | 3257.5 | 89.06 | -3168.44 | 11.73 | 0.00 | 2.690 | 0.000000 |
| Khandke 132kV | 12/01/2020 12:00:00 | 49 | 27000.0 | 3252.5 | 110.16 | -3142.34 | 11.64 | 0.00 | 3.686 | 0.000000 |
| Khandke 132kV | 12/01/2020 12:15:00 | 50 | 27000.0 | 3260.0 | 200.0 | -3060.0 | 11.33 | 0.00 | -5.345 | 0.000000 |
| Khandke 132kV | 12/01/2020 12:30:00 | 51 | 27000.0 | 3242.5 | 189.06 | -3053.44 | 11.31 | 0.00 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khandke 132kV | 12/01/2020 12:45:00 | 52 | 27000.0 | 3242.5 | 271.88 | -2970.62 | 11.0 | 0.00 | -5.345 | 0.000000 |
| Khandke 132kV | 12/01/2020 13:00:00 | 53 | 27000.0 | 3167.5 | 313.28 | -2854.22 | 10.57 | 0.00 | -3.999 | 0.000000 |
| Khandke 132kV | 12/01/2020 13:15:00 | 54 | 27000.0 | 3192.5 | 392.97 | -2799.53 | 10.37 | 0.00 | -4.350 | 0.000000 |
| Khandke 132kV | 12/01/2020 13:30:00 | 55 | 27000.0 | 3222.5 | 441.41 | -2781.09 | 10.3 | 0.00 | -1.076 | 0.000000 |
| Khandke 132kV | 12/01/2020 13:45:00 | 56 | 27000.0 | 3212.5 | 425.0 | -2787.5 | 10.32 | 0.00 | -2.690 | 0.000000 |
| Khandke 132kV | 12/01/2020 14:00:00 | 57 | 27000.0 | 3185.0 | 525.0 | -2660.0 | 9.85 | 0.00 | -0.538 | 0.000000 |
| Khandke 132kV | 12/01/2020 14:15:00 | 58 | 27000.0 | 3260.0 | 538.28 | -2721.72 | 10.08 | 0.00 | -2.152 | 0.000000 |
| Khandke 132kV | 12/01/2020 14:30:00 | 59 | 27000.0 | 3257.5 | 548.44 | -2709.06 | 10.03 | 0.00 | -2.690 | 0.000000 |
| Khandke 132kV | 12/01/2020 14:45:00 | 60 | 27000.0 | 3252.5 | 439.84 | -2812.66 | 10.42 | 0.00 | -1.076 | 0.000000 |
| Khandke 132kV | 12/01/2020 15:00:00 | 61 | 27000.0 | 3260.0 | 446.87 | -2813.13 | 10.42 | 0.00 | 0.000 | 0.000000 |
| Khandke 132kV | 12/01/2020 15:15:00 | 62 | 27000.0 | 3242.5 | 347.66 | -2894.84 | 10.72 | 0.00 | -2.690 | 0.000000 |
| Khandke 132kV | 12/01/2020 15:30:00 | 63 | 27000.0 | 3242.5 | 241.41 | -3001.09 | 11.12 | 0.00 | -3.022 | 0.000000 |
| Khandke 132kV | 12/01/2020 15:45:00 | 64 | 27000.0 | 3167.5 | 329.69 | -2837.81 | 10.51 | 0.00 | -3.686 | 0.000000 |
| Khandke 132kV | 12/01/2020 16:00:00 | 65 | 27000.0 | 3192.5 | 319.53 | -2872.97 | 10.64 | 0.00 | -3.737 | 0.000000 |
| Khandke 132kV | 12/01/2020 16:15:00 | 66 | 27000.0 | 3222.5 | 385.94 | -2836.56 | 10.51 | 0.00 | -5.786 | 0.000000 |
| Khandke 132kV | 12/01/2020 16:30:00 | 67 | 27000.0 | 3212.5 | 507.03 | -2705.47 | 10.02 | 0.00 | -4.350 | 0.000000 |
| Khandke 132kV | 12/01/2020 16:45:00 | 68 | 27000.0 | 3185.0 | 556.25 | -2628.75 | 9.74 | 0.00 | -1.614 | 0.000000 |
| Khandke 132kV | 12/01/2020 17:00:00 | 69 | 27000.0 | 3212.5 | 502.34 | -2710.16 | 10.04 | 0.00 | 0.000 | 0.000000 |
| Khandke 132kV | 12/01/2020 17:15:00 | 70 | 27000.0 | 3227.5 | 605.47 | -2622.03 | 9.71 | 0.00 | 2.690 | 679.771104 |
| Khandke 132kV | 12/01/2020 17:30:00 | 71 | 27000.0 | 3217.5 | 764.06 | -2453.44 | 9.09 | 0.00 | -3.022 | 0.000000 |
| Khandke 132kV | 12/01/2020 17:45:00 | 72 | 27000.0 | 3235.0 | 921.09 | -2313.91 | 8.57 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khandke 132kV | 12/01/2020 18:00:00 | 73 | 27000.0 | 3162.5 | 1178.12 | -1984.38 | 7.35 | 0.00 | -0.538 | 0.000000 |
| Khandke 132kV | 12/01/2020 18:15:00 | 74 | 27000.0 | 3252.5 | 1600.78 | -1651.72 | 6.12 | 0.00 | -4.350 | 0.000000 |
| Khandke 132kV | 12/01/2020 18:30:00 | 75 | 27000.0 | 3260.0 | 2146.09 | -1113.91 | 4.13 | 0.00 | 2.690 | 191.553689 |
| Khandke 132kV | 12/01/2020 18:45:00 | 76 | 27000.0 | 3242.5 | 2586.72 | -655.78 | 2.43 | 0.00 | 3.022 | 726.516581 |
| Khandke 132kV | 12/01/2020 19:00:00 | 77 | 27000.0 | 3242.5 | 2589.06 | -653.44 | 2.42 | 0.00 | 3.686 | 232.531184 |
| Khandke 132kV | 12/01/2020 19:15:00 | 78 | 27000.0 | 3167.5 | 2414.84 | -752.66 | 2.79 | 0.00 | 2.690 | 15.898480 |
| Khandke 132kV | 12/01/2020 19:30:00 | 79 | 27000.0 | 3192.5 | 2164.84 | -1027.66 | 3.81 | 0.00 | -3.022 | 0.000000 |
| Khandke 132kV | 12/01/2020 19:45:00 | 80 | 27000.0 | 3222.5 | 1855.47 | -1367.03 | 5.06 | 0.00 | -1.781 | 0.000000 |
| Khandke 132kV | 12/01/2020 20:00:00 | 81 | 27000.0 | 3212.5 | 1743.75 | -1468.75 | 5.44 | 0.00 | -3.021 | 0.000000 |
| Khandke 132kV | 12/01/2020 20:15:00 | 82 | 27000.0 | 3185.0 | 1897.66 | -1287.34 | 4.77 | 0.00 | -4.018 | 0.000000 |
| Khandke 132kV | 12/01/2020 20:30:00 | 83 | 27000.0 | 3212.5 | 2066.41 | -1146.09 | 4.24 | 0.00 | -3.354 | 0.000000 |
| Khandke 132kV | 12/01/2020 20:45:00 | 84 | 27000.0 | 3227.5 | 2289.06 | -938.44 | 3.48 | 0.00 | -1.614 | 0.000000 |
| Khandke 132kV | 12/01/2020 21:00:00 | 85 | 27000.0 | 3217.5 | 2304.69 | -912.81 | 3.38 | 0.00 | -4.350 | 0.000000 |
| Khandke 132kV | 12/01/2020 21:15:00 | 86 | 27000.0 | 3235.0 | 2082.03 | -1152.97 | 4.27 | 0.00 | -3.686 | 0.000000 |
| Khandke 132kV | 12/01/2020 21:30:00 | 87 | 27000.0 | 3270.0 | 1921.88 | -1348.12 | 4.99 | 0.00 | -1.614 | 0.000000 |
| Khandke 132kV | 12/01/2020 21:45:00 | 88 | 27000.0 | 3260.0 | 1639.06 | -1620.94 | 6.0 | 0.00 | 0.000 | 0.000000 |
| Khandke 132kV | 12/01/2020 22:00:00 | 89 | 27000.0 | 3257.5 | 1272.66 | -1984.84 | 7.35 | 0.00 | -3.354 | 0.000000 |
| Khandke 132kV | 12/01/2020 22:15:00 | 90 | 27000.0 | 3252.5 | 912.5 | -2340.0 | 8.67 | 0.00 | 4.350 | 2857.024919 |
| Khandke 132kV | 12/01/2020 22:30:00 | 91 | 27000.0 | 3260.0 | 800.0 | -2460.0 | 9.11 | 0.00 | 5.215 | 5664.486065 |
| Khandke 132kV | 12/01/2020 22:45:00 | 92 | 27000.0 | 3242.5 | 721.87 | -2520.63 | 9.34 | 0.00 | 3.022 | 568.174411 |
| Khandke 132kV | 12/01/2020 23:00:00 | 93 | 27000.0 | 3242.5 | 675.0 | -2567.5 | 9.51 | 0.00 | 3.022 | 1267.632753 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khandke 132kV | 12/01/2020 23:15:00 | 94 | 27000.0 | 3167.5 | 728.12 | -2439.38 | 9.03 | 0.00 | 2.152 | 1199.217765 |
| Khandke 132kV | 12/01/2020 23:30:00 | 95 | 27000.0 | 3192.5 | 659.38 | -2533.12 | 9.38 | 0.00 | 2.152 | 716.617233 |
| Khandke 132kV | 12/01/2020 23:45:00 | 96 | 27000.0 | 3222.5 | 749.22 | -2473.28 | 9.16 | 0.00 | 2.152 | 803.936264 |
| Khaprale 132kV | 06/01/2020 00:00:00 | 1 | 21975.0 | 6472.5 | 0.0 | -6472.5 | 29.45 | 2077.50 | 2.903 | 0.000000 |
| Khaprale 132kV | 06/01/2020 00:15:00 | 2 | 21975.0 | 6430.0 | 0.0 | -6430.0 | 29.26 | 2035.00 | 0.000 | 0.000000 |
| Khaprale 132kV | 06/01/2020 00:30:00 | 3 | 21975.0 | 6272.5 | 0.0 | -6272.5 | 28.54 | 1877.50 | 0.000 | 0.000000 |
| Khaprale 132kV | 06/01/2020 00:45:00 | 4 | 21975.0 | 6172.5 | 0.0 | -6172.5 | 28.09 | 1777.50 | -0.984 | 0.000000 |
| Khaprale 132kV | 06/01/2020 01:00:00 | 5 | 21975.0 | 6080.0 | 0.0 | -6080.0 | 27.67 | 1685.00 | -3.541 | 0.000000 |
| Khaprale 132kV | 06/01/2020 01:15:00 | 6 | 21975.0 | 6100.0 | 0.0 | -6100.0 | 27.76 | 1705.00 | 3.222 | 146.447374 |
| Khaprale 132kV | 06/01/2020 01:30:00 | 7 | 21975.0 | 6472.5 | 0.0 | -6472.5 | 29.45 | 2077.50 | 3.541 | 1746.813485 |
| Khaprale 132kV | 06/01/2020 01:45:00 | 8 | 21975.0 | 6430.0 | 0.0 | -6430.0 | 29.26 | 2035.00 | 2.352 | 0.000000 |
| Khaprale 132kV | 06/01/2020 02:00:00 | 9 | 21975.0 | 6272.5 | 0.0 | -6272.5 | 28.54 | 1877.50 | 1.747 | 0.000000 |
| Khaprale 132kV | 06/01/2020 02:15:00 | 10 | 21975.0 | 6172.5 | 0.0 | -6172.5 | 28.09 | 1777.50 | 0.581 | 0.000000 |
| Khaprale 132kV | 06/01/2020 02:30:00 | 11 | 21975.0 | 6080.0 | 0.0 | -6080.0 | 27.67 | 1685.00 | -2.323 | 0.000000 |
| Khaprale 132kV | 06/01/2020 02:45:00 | 12 | 21975.0 | 6100.0 | 0.0 | -6100.0 | 27.76 | 1705.00 | 2.323 | 0.000000 |
| Khaprale 132kV | 06/01/2020 03:00:00 | 13 | 21975.0 | 5812.5 | 0.0 | -5812.5 | 26.45 | 1417.50 | 2.323 | 0.000000 |
| Khaprale 132kV | 06/01/2020 03:15:00 | 14 | 21975.0 | 5812.5 | 0.0 | -5812.5 | 26.45 | 1417.50 | -1.742 | 0.000000 |
| Khaprale 132kV | 06/01/2020 03:30:00 | 15 | 21975.0 | 5812.5 | 0.0 | -5812.5 | 26.45 | 1417.50 | 3.222 | 0.000000 |
| Khaprale 132kV | 06/01/2020 03:45:00 | 16 | 21975.0 | 5862.5 | 0.0 | -5862.5 | 26.68 | 1467.50 | 3.541 | 0.000000 |
| Khaprale 132kV | 06/01/2020 04:00:00 | 17 | 21975.0 | 5837.5 | 0.0 | -5837.5 | 26.56 | 1442.50 | 4.496 | 0.000000 |
| Khaprale 132kV | 06/01/2020 04:15:00 | 18 | 21975.0 | 11387.5 | 0.0 | -11387.5 | 51.82 | 8840.63 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khaprale 132kV | 06/01/2020 04:30:00 | 19 | 21975.0 | 11312.5 | 0.0 | -11312.5 | 51.48 | 8728.13 | 3.859 | 0.000000 |
| Khaprale 132kV | 06/01/2020 04:45:00 | 20 | 21975.0 | 11357.5 | 0.0 | -11357.5 | 51.68 | 8795.63 | 4.815 | 0.000000 |
| Khaprale 132kV | 06/01/2020 05:00:00 | 21 | 21975.0 | 11312.5 | 0.0 | -11312.5 | 51.48 | 8728.13 | 3.859 | 4961.446611 |
| Khaprale 132kV | 06/01/2020 05:15:00 | 22 | 21975.0 | 11312.5 | 0.0 | -11312.5 | 51.48 | 8728.13 | 6.407 | 8957.058142 |
| Khaprale 132kV | 06/01/2020 05:30:00 | 23 | 21975.0 | 11312.5 | 0.0 | -11312.5 | 51.48 | 8728.13 | 6.496 | 13260.160199 |
| Khaprale 132kV | 06/01/2020 05:45:00 | 24 | 21975.0 | 11362.5 | 0.0 | -11362.5 | 51.71 | 8803.13 | 7.492 | 7197.587246 |
| Khaprale 132kV | 06/01/2020 06:00:00 | 25 | 21975.0 | 11337.5 | 0.0 | -11337.5 | 51.59 | 8765.63 | -5.452 | 0.000000 |
| Khaprale 132kV | 06/01/2020 06:15:00 | 26 | 21975.0 | 11387.5 | 0.0 | -11387.5 | 51.82 | 8840.63 | -6.089 | 0.000000 |
| Khaprale 132kV | 06/01/2020 06:30:00 | 27 | 21975.0 | 11312.5 | 0.0 | -11312.5 | 51.48 | 8728.13 | -7.044 | 0.000000 |
| Khaprale 132kV | 06/01/2020 06:45:00 | 28 | 21975.0 | 11357.5 | 0.0 | -11357.5 | 51.68 | 8795.63 | 7.682 | 0.000000 |
| Khaprale 132kV | 06/01/2020 07:00:00 | 29 | 21975.0 | 11312.5 | 0.0 | -11312.5 | 51.48 | 8728.13 | -3.859 | 0.000000 |
| Khaprale 132kV | 06/01/2020 07:15:00 | 30 | 21975.0 | 11312.5 | 0.0 | -11312.5 | 51.48 | 8728.13 | 4.815 | 5616.861064 |
| Khaprale 132kV | 06/01/2020 07:30:00 | 31 | 21975.0 | 11312.5 | 0.0 | -11312.5 | 51.48 | 8728.13 | 4.178 | 0.000000 |
| Khaprale 132kV | 06/01/2020 07:45:00 | 32 | 21975.0 | 11362.5 | 0.0 | -11362.5 | 51.71 | 8803.13 | -3.540 | 0.000000 |
| Khaprale 132kV | 06/01/2020 08:00:00 | 33 | 21975.0 | 11337.5 | 0.0 | -11337.5 | 51.59 | 8765.63 | -3.859 | 0.000000 |
| Khaprale 132kV | 06/01/2020 08:15:00 | 34 | 21975.0 | 11387.5 | 0.0 | -11387.5 | 51.82 | 8840.63 | -5.452 | 0.000000 |
| Khaprale 132kV | 06/01/2020 08:30:00 | 35 | 21975.0 | 11312.5 | 0.0 | -11312.5 | 51.48 | 8728.13 | 4.178 | 0.000000 |
| Khaprale 132kV | 06/01/2020 08:45:00 | 36 | 21975.0 | 11357.5 | 0.0 | -11357.5 | 51.68 | 8795.63 | -3.859 | 0.000000 |
| Khaprale 132kV | 06/01/2020 09:00:00 | 37 | 21975.0 | 11387.5 | 0.0 | -11387.5 | 51.82 | 8840.63 | -6.407 | 0.000000 |
| Khaprale 132kV | 06/01/2020 09:15:00 | 38 | 21975.0 | 11312.5 | 0.0 | -11312.5 | 51.48 | 8728.13 | -8.000 | 0.000000 |
| Khaprale 132kV | 06/01/2020 09:30:00 | 39 | 21975.0 | 7612.5 | 0.0 | -7612.5 | 34.64 | 3217.50 | -5.770 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khaprale 132kV | 06/01/2020 09:45:00 | 40 | 21975.0 | 7162.5 | 0.0 | -7162.5 | 32.59 | 2767.50 | 3.222 | 0.000000 |
| Khaprale 132kV | 06/01/2020 10:00:00 | 41 | 21975.0 | 6612.5 | 0.0 | -6612.5 | 30.09 | 2217.50 | -2.903 | 0.000000 |
| Khaprale 132kV | 06/01/2020 10:15:00 | 42 | 21975.0 | 3022.5 | 0.0 | -3022.5 | 13.75 | 0.00 | -3.222 | 0.000000 |
| Khaprale 132kV | 06/01/2020 10:30:00 | 43 | 21975.0 | 3057.5 | 0.0 | -3057.5 | 13.91 | 0.00 | 4.815 | 0.000000 |
| Khaprale 132kV | 06/01/2020 10:45:00 | 44 | 21975.0 | 3065.0 | 0.0 | -3065.0 | 13.95 | 0.00 | 4.496 | 0.000000 |
| Khaprale 132kV | 06/01/2020 11:00:00 | 45 | 21975.0 | 3060.0 | 0.0 | -3060.0 | 13.92 | 0.00 | 16.000 | 0.000000 |
| Khaprale 132kV | 06/01/2020 11:15:00 | 46 | 21975.0 | 3070.0 | 0.0 | -3070.0 | 13.97 | 0.00 | 5.133 | 0.000000 |
| Khaprale 132kV | 06/01/2020 11:30:00 | 47 | 21975.0 | 3037.5 | 0.0 | -3037.5 | 13.82 | 0.00 | 1.182 | 0.000000 |
| Khaprale 132kV | 06/01/2020 11:45:00 | 48 | 21975.0 | 2952.5 | 0.0 | -2952.5 | 13.44 | 0.00 | 6.308 | 0.000000 |
| Khaprale 132kV | 06/01/2020 12:00:00 | 49 | 21975.0 | 3045.0 | 0.0 | -3045.0 | 13.86 | 0.00 | 6.598 | 0.000000 |
| Khaprale 132kV | 06/01/2020 12:15:00 | 50 | 21975.0 | 3072.5 | 0.0 | -3072.5 | 13.98 | 0.00 | 5.431 | 0.000000 |
| Khaprale 132kV | 06/01/2020 12:30:00 | 51 | 21975.0 | 3037.5 | 0.0 | -3037.5 | 13.82 | 0.00 | 3.540 | 0.000000 |
| Khaprale 132kV | 06/01/2020 12:45:00 | 52 | 21975.0 | 2965.0 | 0.0 | -2965.0 | 13.49 | 0.00 | -2.903 | 0.000000 |
| Khaprale 132kV | 06/01/2020 13:00:00 | 53 | 21975.0 | 5112.5 | 0.0 | -5112.5 | 23.27 | 908.13 | -1.161 | 0.000000 |
| Khaprale 132kV | 06/01/2020 13:15:00 | 54 | 21975.0 | 4862.5 | 0.0 | -4862.5 | 22.13 | 783.13 | 3.859 | 0.000000 |
| Khaprale 132kV | 06/01/2020 13:30:00 | 55 | 21975.0 | 4912.5 | 0.0 | -4912.5 | 22.35 | 808.13 | -6.407 | 0.000000 |
| Khaprale 132kV | 06/01/2020 13:45:00 | 56 | 21975.0 | 4722.5 | 0.0 | -4722.5 | 21.49 | 713.13 | 5.452 | 0.000000 |
| Khaprale 132kV | 06/01/2020 14:00:00 | 57 | 21975.0 | 4635.0 | 0.0 | -4635.0 | 21.09 | 669.38 | 5.452 | 0.000000 |
| Khaprale 132kV | 06/01/2020 14:15:00 | 58 | 21975.0 | 3972.5 | 0.0 | -3972.5 | 18.08 | 338.13 | 16.000 | 0.000000 |
| Khaprale 132kV | 06/01/2020 14:30:00 | 59 | 21975.0 | 3722.5 | 0.0 | -3722.5 | 16.94 | 213.13 | 6.035 | 0.000000 |
| Khaprale 132kV | 06/01/2020 14:45:00 | 60 | 21975.0 | 3135.0 | 0.0 | -3135.0 | 14.27 | 0.00 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khaprale 132kV | 06/01/2020 15:00:00 | 61 | 21975.0 | 2985.0 | 0.0 | -2985.0 | 13.58 | 0.00 | 3.367 | 0.000000 |
| Khaprale 132kV | 06/01/2020 15:15:00 | 62 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | 3.904 | 0.000000 |
| Khaprale 132kV | 06/01/2020 15:30:00 | 63 | 21975.0 | 2982.5 | 0.0 | -2982.5 | 13.57 | 0.00 | 4.482 | 0.000000 |
| Khaprale 132kV | 06/01/2020 15:45:00 | 64 | 21975.0 | 3015.0 | 0.0 | -3015.0 | 13.72 | 0.00 | 4.225 | 0.000000 |
| Khaprale 132kV | 06/01/2020 16:00:00 | 65 | 21975.0 | 3037.5 | 0.0 | -3037.5 | 13.82 | 0.00 | 2.895 | 0.000000 |
| Khaprale 132kV | 06/01/2020 16:15:00 | 66 | 21975.0 | 2940.0 | 0.0 | -2940.0 | 13.38 | 0.00 | 6.089 | 0.000000 |
| Khaprale 132kV | 06/01/2020 16:30:00 | 67 | 21975.0 | 2892.5 | 0.0 | -2892.5 | 13.16 | 0.00 | -8.000 | 0.000000 |
| Khaprale 132kV | 06/01/2020 16:45:00 | 68 | 21975.0 | 2962.5 | 0.0 | -2962.5 | 13.48 | 0.00 | -4.178 | 0.000000 |
| Khaprale 132kV | 06/01/2020 17:00:00 | 69 | 21975.0 | 3030.0 | 0.0 | -3030.0 | 13.79 | 0.00 | 1.742 | 0.000000 |
| Khaprale 132kV | 06/01/2020 17:15:00 | 70 | 21975.0 | 3087.5 | 0.0 | -3087.5 | 14.05 | 0.00 | 2.903 | 0.000000 |
| Khaprale 132kV | 06/01/2020 17:30:00 | 71 | 21975.0 | 3085.0 | 0.0 | -3085.0 | 14.04 | 0.00 | -4.178 | 0.000000 |
| Khaprale 132kV | 06/01/2020 17:45:00 | 72 | 21975.0 | 3052.5 | 0.0 | -3052.5 | 13.89 | 0.00 | -2.323 | 0.000000 |
| Khaprale 132kV | 06/01/2020 18:00:00 | 73 | 21975.0 | 2972.5 | 0.0 | -2972.5 | 13.53 | 0.00 | -2.903 | 0.000000 |
| Khaprale 132kV | 06/01/2020 18:15:00 | 74 | 21975.0 | 3105.0 | 0.0 | -3105.0 | 14.13 | 0.00 | 1.161 | 807.484729 |
| Khaprale 132kV | 06/01/2020 18:30:00 | 75 | 21975.0 | 2930.0 | 0.0 | -2930.0 | 13.33 | 0.00 | 2.903 | 2495.579571 |
| Khaprale 132kV | 06/01/2020 18:45:00 | 76 | 21975.0 | 3025.0 | 0.0 | -3025.0 | 13.77 | 0.00 | 2.903 | 60.993743 |
| Khaprale 132kV | 06/01/2020 19:00:00 | 77 | 21975.0 | 3042.5 | 0.0 | -3042.5 | 13.85 | 0.00 | -1.161 | 0.000000 |
| Khaprale 132kV | 06/01/2020 19:15:00 | 78 | 21975.0 | 3002.5 | 0.0 | -3002.5 | 13.66 | 0.00 | -4.178 | 0.000000 |
| Khaprale 132kV | 06/01/2020 19:30:00 | 79 | 21975.0 | 2937.5 | 0.0 | -2937.5 | 13.37 | 0.00 | -2.323 | 0.000000 |
| Khaprale 132kV | 06/01/2020 19:45:00 | 80 | 21975.0 | 2905.0 | 0.0 | -2905.0 | 13.22 | 0.00 | -4.178 | 0.000000 |
| Khaprale 132kV | 06/01/2020 20:00:00 | 81 | 21975.0 | 2950.0 | 0.0 | -2950.0 | 13.42 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khaprale 132kV | 06/01/2020 20:15:00 | 82 | 21975.0 | 3092.5 | 0.0 | -3092.5 | 14.07 | 0.00 | -5.770 | 0.000000 |
| Khaprale 132kV | 06/01/2020 20:30:00 | 83 | 21975.0 | 2960.0 | 0.0 | -2960.0 | 13.47 | 0.00 | 5.770 | 403.309401 |
| Khaprale 132kV | 06/01/2020 20:45:00 | 84 | 21975.0 | 2965.0 | 0.0 | -2965.0 | 13.49 | 0.00 | 4.178 | 1226.185685 |
| Khaprale 132kV | 06/01/2020 21:00:00 | 85 | 21975.0 | 2927.5 | 0.0 | -2927.5 | 13.32 | 0.00 | 3.222 | 640.470977 |
| Khaprale 132kV | 06/01/2020 21:15:00 | 86 | 21975.0 | 2932.5 | 0.0 | -2932.5 | 13.34 | 0.00 | -1.742 | 0.000000 |
| Khaprale 132kV | 06/01/2020 21:30:00 | 87 | 21975.0 | 2977.5 | 0.0 | -2977.5 | 13.55 | 0.00 | 0.000 | 0.000000 |
| Khaprale 132kV | 06/01/2020 21:45:00 | 88 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | 1.161 | 0.000000 |
| Khaprale 132kV | 06/01/2020 22:00:00 | 89 | 21975.0 | 2982.5 | 0.0 | -2982.5 | 13.57 | 0.00 | 4.815 | 1746.334536 |
| Khaprale 132kV | 06/01/2020 22:15:00 | 90 | 21975.0 | 3015.0 | 0.0 | -3015.0 | 13.72 | 0.00 | 3.859 | 1821.364646 |
| Khaprale 132kV | 06/01/2020 22:30:00 | 91 | 21975.0 | 3037.5 | 0.0 | -3037.5 | 13.82 | 0.00 | 1.742 | 0.000000 |
| Khaprale 132kV | 06/01/2020 22:45:00 | 92 | 21975.0 | 2932.5 | 0.0 | -2932.5 | 13.34 | 0.00 | -2.323 | 0.000000 |
| Khaprale 132kV | 06/01/2020 23:00:00 | 93 | 21975.0 | 2977.5 | 0.0 | -2977.5 | 13.55 | 0.00 | -2.903 | 0.000000 |
| Khaprale 132kV | 06/01/2020 23:15:00 | 94 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | 2.323 | 0.000000 |
| Khaprale 132kV | 06/01/2020 23:30:00 | 95 | 21975.0 | 2982.5 | 0.0 | -2982.5 | 13.57 | 0.00 | -3.222 | 0.000000 |
| Khaprale 132kV | 06/01/2020 23:45:00 | 96 | 21975.0 | 3015.0 | 0.0 | -3015.0 | 13.72 | 0.00 | 2.323 | 0.000000 |
| Khaprale 132kV | 07/01/2020 00:00:00 | 1 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | -0.549 | 0.000000 |
| Khaprale 132kV | 07/01/2020 00:15:00 | 2 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -1.647 | 0.000000 |
| Khaprale 132kV | 07/01/2020 00:30:00 | 3 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | -3.073 | 0.000000 |
| Khaprale 132kV | 07/01/2020 00:45:00 | 4 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -2.744 | 0.000000 |
| Khaprale 132kV | 07/01/2020 01:00:00 | 5 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -4.058 | 0.000000 |
| Khaprale 132kV | 07/01/2020 01:15:00 | 6 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khaprale 132kV | 07/01/2020 01:30:00 | 7 | 21975.0 | 3112.5 | 0.0 | -3112.5 | 14.16 | 0.00 | -3.401 | 0.000000 |
| Khaprale 132kV | 07/01/2020 01:45:00 | 8 | 21975.0 | 3087.5 | 0.0 | -3087.5 | 14.05 | 0.00 | 3.730 | 0.000000 |
| Khaprale 132kV | 07/01/2020 02:00:00 | 9 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | 3.073 | 683.057128 |
| Khaprale 132kV | 07/01/2020 02:15:00 | 10 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 3.073 | 298.133395 |
| Khaprale 132kV | 07/01/2020 02:30:00 | 11 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | 3.401 | 423.123616 |
| Khaprale 132kV | 07/01/2020 02:45:00 | 12 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 2.745 | 415.906914 |
| Khaprale 132kV | 07/01/2020 03:00:00 | 13 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 1.647 | 0.000000 |
| Khaprale 132kV | 07/01/2020 03:15:00 | 14 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 2.196 | 196.467590 |
| Khaprale 132kV | 07/01/2020 03:30:00 | 15 | 21975.0 | 3112.5 | 0.0 | -3112.5 | 14.16 | 0.00 | 1.647 | 265.653973 |
| Khaprale 132kV | 07/01/2020 03:45:00 | 16 | 21975.0 | 3087.5 | 0.0 | -3087.5 | 14.05 | 0.00 | 1.098 | 0.000000 |
| Khaprale 132kV | 07/01/2020 04:00:00 | 17 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | 1.647 | 1148.952242 |
| Khaprale 132kV | 07/01/2020 04:15:00 | 18 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 2.210 | 2192.621702 |
| Khaprale 132kV | 07/01/2020 04:30:00 | 19 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | 3.730 | 3141.656903 |
| Khaprale 132kV | 07/01/2020 04:45:00 | 20 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | -1.098 | 0.000000 |
| Khaprale 132kV | 07/01/2020 05:00:00 | 21 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -2.744 | 0.000000 |
| Khaprale 132kV | 07/01/2020 05:15:00 | 22 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | 3.730 | 1611.791658 |
| Khaprale 132kV | 07/01/2020 05:30:00 | 23 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 3.073 | 3534.431930 |
| Khaprale 132kV | 07/01/2020 05:45:00 | 24 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | 3.730 | 2786.060372 |
| Khaprale 132kV | 07/01/2020 06:00:00 | 25 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -5.372 | 0.000000 |
| Khaprale 132kV | 07/01/2020 06:15:00 | 26 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 4.556 | 10204.549435 |
| Khaprale 132kV | 07/01/2020 06:30:00 | 27 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 7.148 | 17668.141920 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khaprale 132kV | 07/01/2020 06:45:00 | 28 | 21975.0 | 3112.5 | 0.0 | -3112.5 | 14.16 | 0.00 | 7.821 | 16465.789175 |
| Khaprale 132kV | 07/01/2020 07:00:00 | 29 | 21975.0 | 3087.5 | 0.0 | -3087.5 | 14.05 | 0.00 | 5.372 | 8204.869671 |
| Khaprale 132kV | 07/01/2020 07:15:00 | 30 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | 16.000 | 0.000000 |
| Khaprale 132kV | 07/01/2020 07:30:00 | 31 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 9.296 | 0.000000 |
| Khaprale 132kV | 07/01/2020 07:45:00 | 32 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | 9.794 | 0.000000 |
| Khaprale 132kV | 07/01/2020 08:00:00 | 33 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 3.593 | 0.000000 |
| Khaprale 132kV | 07/01/2020 08:15:00 | 34 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 3.401 | 0.000000 |
| Khaprale 132kV | 07/01/2020 08:30:00 | 35 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 3.245 | 0.000000 |
| Khaprale 132kV | 07/01/2020 08:45:00 | 36 | 21975.0 | 3112.5 | 0.0 | -3112.5 | 14.16 | 0.00 | 0.000 | 0.000000 |
| Khaprale 132kV | 07/01/2020 09:00:00 | 37 | 21975.0 | 3087.5 | 0.0 | -3087.5 | 14.05 | 0.00 | 2.745 | 0.000000 |
| Khaprale 132kV | 07/01/2020 09:15:00 | 38 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | 4.715 | 0.000000 |
| Khaprale 132kV | 07/01/2020 09:30:00 | 39 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 3.981 | 0.000000 |
| Khaprale 132kV | 07/01/2020 09:45:00 | 40 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | 3.730 | 0.000000 |
| Khaprale 132kV | 07/01/2020 10:00:00 | 41 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | 1.780 | 0.000000 |
| Khaprale 132kV | 07/01/2020 10:15:00 | 42 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 5.643 | 0.000000 |
| Khaprale 132kV | 07/01/2020 10:30:00 | 43 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | 4.976 | 0.000000 |
| Khaprale 132kV | 07/01/2020 10:45:00 | 44 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 4.415 | 0.000000 |
| Khaprale 132kV | 07/01/2020 11:00:00 | 45 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | 4.476 | 0.000000 |
| Khaprale 132kV | 07/01/2020 11:15:00 | 46 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 4.826 | 0.000000 |
| Khaprale 132kV | 07/01/2020 11:30:00 | 47 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 2.289 | 0.000000 |
| Khaprale 132kV | 07/01/2020 11:45:00 | 48 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -0.549 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khaprale 132kV | 07/01/2020 12:00:00 | 49 | 21975.0 | 3112.5 | 0.0 | -3112.5 | 14.16 | 0.00 | 4.727 | 0.000000 |
| Khaprale 132kV | 07/01/2020 12:15:00 | 50 | 21975.0 | 3087.5 | 0.0 | -3087.5 | 14.05 | 0.00 | 4.777 | 0.000000 |
| Khaprale 132kV | 07/01/2020 12:30:00 | 51 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | 4.798 | 0.000000 |
| Khaprale 132kV | 07/01/2020 12:45:00 | 52 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -3.401 | 0.000000 |
| Khaprale 132kV | 07/01/2020 13:00:00 | 53 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | -2.431 | 0.000000 |
| Khaprale 132kV | 07/01/2020 13:15:00 | 54 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -4.387 | 0.000000 |
| Khaprale 132kV | 07/01/2020 13:30:00 | 55 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -3.401 | 0.000000 |
| Khaprale 132kV | 07/01/2020 13:45:00 | 56 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -5.044 | 0.000000 |
| Khaprale 132kV | 07/01/2020 14:00:00 | 57 | 21975.0 | 3112.5 | 0.0 | -3112.5 | 14.16 | 0.00 | 4.215 | 0.000000 |
| Khaprale 132kV | 07/01/2020 14:15:00 | 58 | 21975.0 | 3087.5 | 0.0 | -3087.5 | 14.05 | 0.00 | 9.552 | 0.000000 |
| Khaprale 132kV | 07/01/2020 14:30:00 | 59 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | 6.358 | 0.000000 |
| Khaprale 132kV | 07/01/2020 14:45:00 | 60 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 2.744 | 0.000000 |
| Khaprale 132kV | 07/01/2020 15:00:00 | 61 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | -3.073 | 0.000000 |
| Khaprale 132kV | 07/01/2020 15:15:00 | 62 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | -4.058 | 0.000000 |
| Khaprale 132kV | 07/01/2020 15:30:00 | 63 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -4.831 | 0.000000 |
| Khaprale 132kV | 07/01/2020 15:45:00 | 64 | 21975.0 | 3015.0 | 0.0 | -3015.0 | 13.72 | 0.00 | -5.372 | 0.000000 |
| Khaprale 132kV | 07/01/2020 16:00:00 | 65 | 21975.0 | 3037.5 | 0.0 | -3037.5 | 13.82 | 0.00 | 2.196 | 0.000000 |
| Khaprale 132kV | 07/01/2020 16:15:00 | 66 | 21975.0 | 2940.0 | 0.0 | -2940.0 | 13.38 | 0.00 | -3.401 | 0.000000 |
| Khaprale 132kV | 07/01/2020 16:30:00 | 67 | 21975.0 | 2892.5 | 0.0 | -2892.5 | 13.16 | 0.00 | 4.738 | 0.000000 |
| Khaprale 132kV | 07/01/2020 16:45:00 | 68 | 21975.0 | 2962.5 | 0.0 | -2962.5 | 13.48 | 0.00 | 7.343 | 0.000000 |
| Khaprale 132kV | 07/01/2020 17:00:00 | 69 | 21975.0 | 3030.0 | 0.0 | -3030.0 | 13.79 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khaprale 132kV | 07/01/2020 17:15:00 | 70 | 21975.0 | 3087.5 | 0.0 | -3087.5 | 14.05 | 0.00 | 2.744 | 513.593670 |
| Khaprale 132kV | 07/01/2020 17:30:00 | 71 | 21975.0 | 3085.0 | 0.0 | -3085.0 | 14.04 | 0.00 | 3.401 | 203.700808 |
| Khaprale 132kV | 07/01/2020 17:45:00 | 72 | 21975.0 | 3052.5 | 0.0 | -3052.5 | 13.89 | 0.00 | -2.745 | 0.000000 |
| Khaprale 132kV | 07/01/2020 18:00:00 | 73 | 21975.0 | 2972.5 | 0.0 | -2972.5 | 13.53 | 0.00 | -3.073 | 0.000000 |
| Khaprale 132kV | 07/01/2020 18:15:00 | 74 | 21975.0 | 3105.0 | 0.0 | -3105.0 | 14.13 | 0.00 | -5.372 | 0.000000 |
| Khaprale 132kV | 07/01/2020 18:30:00 | 75 | 21975.0 | 2930.0 | 0.0 | -2930.0 | 13.33 | 0.00 | 3.401 | 0.000000 |
| Khaprale 132kV | 07/01/2020 18:45:00 | 76 | 21975.0 | 3025.0 | 0.0 | -3025.0 | 13.77 | 0.00 | -3.401 | 0.000000 |
| Khaprale 132kV | 07/01/2020 19:00:00 | 77 | 21975.0 | 3042.5 | 0.0 | -3042.5 | 13.85 | 0.00 | -3.730 | 0.000000 |
| Khaprale 132kV | 07/01/2020 19:15:00 | 78 | 21975.0 | 3002.5 | 0.0 | -3002.5 | 13.66 | 0.00 | -4.715 | 0.000000 |
| Khaprale 132kV | 07/01/2020 19:30:00 | 79 | 21975.0 | 2937.5 | 0.0 | -2937.5 | 13.37 | 0.00 | -4.058 | 0.000000 |
| Khaprale 132kV | 07/01/2020 19:45:00 | 80 | 21975.0 | 2905.0 | 0.0 | -2905.0 | 13.22 | 0.00 | -2.210 | 0.000000 |
| Khaprale 132kV | 07/01/2020 20:00:00 | 81 | 21975.0 | 2950.0 | 0.0 | -2950.0 | 13.42 | 0.00 | -2.348 | 0.000000 |
| Khaprale 132kV | 07/01/2020 20:15:00 | 82 | 21975.0 | 3092.5 | 0.0 | -3092.5 | 14.07 | 0.00 | 4.387 | 4826.316290 |
| Khaprale 132kV | 07/01/2020 20:30:00 | 83 | 21975.0 | 2960.0 | 0.0 | -2960.0 | 13.47 | 0.00 | 3.816 | 6040.439484 |
| Khaprale 132kV | 07/01/2020 20:45:00 | 84 | 21975.0 | 2965.0 | 0.0 | -2965.0 | 13.49 | 0.00 | 3.401 | 1456.811318 |
| Khaprale 132kV | 07/01/2020 21:00:00 | 85 | 21975.0 | 2927.5 | 0.0 | -2927.5 | 13.32 | 0.00 | -4.058 | 0.000000 |
| Khaprale 132kV | 07/01/2020 21:15:00 | 86 | 21975.0 | 2932.5 | 0.0 | -2932.5 | 13.34 | 0.00 | 1.647 | 1554.327930 |
| Khaprale 132kV | 07/01/2020 21:30:00 | 87 | 21975.0 | 2977.5 | 0.0 | -2977.5 | 13.55 | 0.00 | 2.196 | 949.477150 |
| Khaprale 132kV | 07/01/2020 21:45:00 | 88 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | -2.196 | 0.000000 |
| Khaprale 132kV | 07/01/2020 22:00:00 | 89 | 21975.0 | 2982.5 | 0.0 | -2982.5 | 13.57 | 0.00 | -3.257 | 0.000000 |
| Khaprale 132kV | 07/01/2020 22:15:00 | 90 | 21975.0 | 3015.0 | 0.0 | -3015.0 | 13.72 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khaprale 132kV | 07/01/2020 22:30:00 | 91 | 21975.0 | 3037.5 | 0.0 | -3037.5 | 13.82 | 0.00 | -1.098 | 0.000000 |
| Khaprale 132kV | 07/01/2020 22:45:00 | 92 | 21975.0 | 2932.5 | 0.0 | -2932.5 | 13.34 | 0.00 | -1.647 | 0.000000 |
| Khaprale 132kV | 07/01/2020 23:00:00 | 93 | 21975.0 | 2977.5 | 0.0 | -2977.5 | 13.55 | 0.00 | -3.401 | 0.000000 |
| Khaprale 132kV | 07/01/2020 23:15:00 | 94 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | 1.647 | 0.000000 |
| Khaprale 132kV | 07/01/2020 23:30:00 | 95 | 21975.0 | 2982.5 | 0.0 | -2982.5 | 13.57 | 0.00 | -2.196 | 0.000000 |
| Khaprale 132kV | 07/01/2020 23:45:00 | 96 | 21975.0 | 3015.0 | 0.0 | -3015.0 | 13.72 | 0.00 | -0.549 | 0.000000 |
| Khaprale 132kV | 08/01/2020 00:00:00 | 1 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | -2.220 | 0.000000 |
| Khaprale 132kV | 08/01/2020 00:15:00 | 2 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -3.101 | 0.000000 |
| Khaprale 132kV | 08/01/2020 00:30:00 | 3 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | -3.101 | 0.000000 |
| Khaprale 132kV | 08/01/2020 00:45:00 | 4 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -2.424 | 0.000000 |
| Khaprale 132kV | 08/01/2020 01:00:00 | 5 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -2.170 | 0.000000 |
| Khaprale 132kV | 08/01/2020 01:15:00 | 6 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -1.761 | 0.000000 |
| Khaprale 132kV | 08/01/2020 01:30:00 | 7 | 21975.0 | 3112.5 | 0.0 | -3112.5 | 14.16 | 0.00 | -1.665 | 0.000000 |
| Khaprale 132kV | 08/01/2020 01:45:00 | 8 | 21975.0 | 3087.5 | 0.0 | -3087.5 | 14.05 | 0.00 | -1.665 | 0.000000 |
| Khaprale 132kV | 08/01/2020 02:00:00 | 9 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | -1.110 | 0.000000 |
| Khaprale 132kV | 08/01/2020 02:15:00 | 10 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -1.347 | 0.000000 |
| Khaprale 132kV | 08/01/2020 02:30:00 | 11 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | -3.101 | 0.000000 |
| Khaprale 132kV | 08/01/2020 02:45:00 | 12 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -2.220 | 0.000000 |
| Khaprale 132kV | 08/01/2020 03:00:00 | 13 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -3.428 | 0.000000 |
| Khaprale 132kV | 08/01/2020 03:15:00 | 14 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -2.220 | 0.000000 |
| Khaprale 132kV | 08/01/2020 03:30:00 | 15 | 21975.0 | 3112.5 | 0.0 | -3112.5 | 14.16 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khaprale 132kV | 08/01/2020 03:45:00 | 16 | 21975.0 | 3087.5 | 0.0 | -3087.5 | 14.05 | 0.00 | -2.775 | 0.000000 |
| Khaprale 132kV | 08/01/2020 04:00:00 | 17 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | -3.101 | 0.000000 |
| Khaprale 132kV | 08/01/2020 04:15:00 | 18 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -1.665 | 0.000000 |
| Khaprale 132kV | 08/01/2020 04:30:00 | 19 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | -2.220 | 0.000000 |
| Khaprale 132kV | 08/01/2020 04:45:00 | 20 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | -2.775 | 0.000000 |
| Khaprale 132kV | 08/01/2020 05:00:00 | 21 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -1.110 | 0.000000 |
| Khaprale 132kV | 08/01/2020 05:15:00 | 22 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | 2.775 | 151.190030 |
| Khaprale 132kV | 08/01/2020 05:30:00 | 23 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -3.428 | 0.000000 |
| Khaprale 132kV | 08/01/2020 05:45:00 | 24 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | -2.775 | 0.000000 |
| Khaprale 132kV | 08/01/2020 06:00:00 | 25 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -2.220 | 0.000000 |
| Khaprale 132kV | 08/01/2020 06:15:00 | 26 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 2.220 | 627.031348 |
| Khaprale 132kV | 08/01/2020 06:30:00 | 27 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 5.387 | 5512.384756 |
| Khaprale 132kV | 08/01/2020 06:45:00 | 28 | 21975.0 | 3112.5 | 0.0 | -3112.5 | 14.16 | 0.00 | -4.734 | 0.000000 |
| Khaprale 132kV | 08/01/2020 07:00:00 | 29 | 21975.0 | 3087.5 | 0.0 | -3087.5 | 14.05 | 0.00 | -4.407 | 0.000000 |
| Khaprale 132kV | 08/01/2020 07:15:00 | 30 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | 5.061 | 5530.105981 |
| Khaprale 132kV | 08/01/2020 07:30:00 | 31 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 5.714 | 5164.906905 |
| Khaprale 132kV | 08/01/2020 07:45:00 | 32 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | 5.061 | 2060.379353 |
| Khaprale 132kV | 08/01/2020 08:00:00 | 33 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 2.775 | 0.000000 |
| Khaprale 132kV | 08/01/2020 08:15:00 | 34 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 2.775 | 0.000000 |
| Khaprale 132kV | 08/01/2020 08:30:00 | 35 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 5.387 | 0.000000 |
| Khaprale 132kV | 08/01/2020 08:45:00 | 36 | 21975.0 | 3112.5 | 0.0 | -3112.5 | 14.16 | 0.00 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khaprale 132kV | 08/01/2020 09:00:00 | 37 | 21975.0 | 3087.5 | 0.0 | -3087.5 | 14.05 | 0.00 | 7.673 | 0.000000 |
| Khaprale 132kV | 08/01/2020 09:15:00 | 38 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | 7.673 | 0.000000 |
| Khaprale 132kV | 08/01/2020 09:30:00 | 39 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 3.101 | 0.000000 |
| Khaprale 132kV | 08/01/2020 09:45:00 | 40 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | -3.101 | 0.000000 |
| Khaprale 132kV | 08/01/2020 10:00:00 | 41 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | -3.101 | 0.000000 |
| Khaprale 132kV | 08/01/2020 10:15:00 | 42 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -3.101 | 0.000000 |
| Khaprale 132kV | 08/01/2020 10:30:00 | 43 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | -1.665 | 0.000000 |
| Khaprale 132kV | 08/01/2020 10:45:00 | 44 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 0.000 | 0.000000 |
| Khaprale 132kV | 08/01/2020 11:00:00 | 45 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | -1.486 | 0.000000 |
| Khaprale 132kV | 08/01/2020 11:15:00 | 46 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -1.305 | 0.000000 |
| Khaprale 132kV | 08/01/2020 11:30:00 | 47 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -2.425 | 0.000000 |
| Khaprale 132kV | 08/01/2020 11:45:00 | 48 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -2.775 | 0.000000 |
| Khaprale 132kV | 08/01/2020 12:00:00 | 49 | 21975.0 | 3802.5 | 0.0 | -3802.5 | 17.3 | 253.13 | -2.083 | 0.000000 |
| Khaprale 132kV | 08/01/2020 12:15:00 | 50 | 21975.0 | 3552.5 | 0.0 | -3552.5 | 16.17 | 128.13 | -3.242 | 0.000000 |
| Khaprale 132kV | 08/01/2020 12:30:00 | 51 | 21975.0 | 3302.5 | 0.0 | -3302.5 | 15.03 | 3.13 | -1.330 | 0.000000 |
| Khaprale 132kV | 08/01/2020 12:45:00 | 52 | 21975.0 | 3277.5 | 0.0 | -3277.5 | 14.91 | 0.00 | -0.830 | 0.000000 |
| Khaprale 132kV | 08/01/2020 13:00:00 | 53 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | 2.775 | 0.000000 |
| Khaprale 132kV | 08/01/2020 13:15:00 | 54 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 0.000 | 0.000000 |
| Khaprale 132kV | 08/01/2020 13:30:00 | 55 | 21975.0 | 6052.5 | 0.0 | -6052.5 | 27.54 | 1657.50 | -1.012 | 0.000000 |
| Khaprale 132kV | 08/01/2020 13:45:00 | 56 | 21975.0 | 6080.0 | 0.0 | -6080.0 | 27.67 | 1685.00 | -1.087 | 0.000000 |
| Khaprale 132kV | 08/01/2020 14:00:00 | 57 | 21975.0 | 6055.0 | 0.0 | -6055.0 | 27.55 | 1660.00 | -3.101 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khaprale 132kV | 08/01/2020 14:15:00 | 58 | 21975.0 | 5787.5 | 0.0 | -5787.5 | 26.34 | 1392.50 | -4.081 | 0.000000 |
| Khaprale 132kV | 08/01/2020 14:30:00 | 59 | 21975.0 | 5785.0 | 0.0 | -5785.0 | 26.33 | 1390.00 | -2.996 | 0.000000 |
| Khaprale 132kV | 08/01/2020 14:45:00 | 60 | 21975.0 | 6722.5 | 0.0 | -6722.5 | 30.59 | 2327.50 | -3.101 | 0.000000 |
| Khaprale 132kV | 08/01/2020 15:00:00 | 61 | 21975.0 | 7082.5 | 0.0 | -7082.5 | 32.23 | 2687.50 | -1.879 | 0.000000 |
| Khaprale 132kV | 08/01/2020 15:15:00 | 62 | 21975.0 | 7357.5 | 0.0 | -7357.5 | 33.48 | 2962.50 | -4.081 | 0.000000 |
| Khaprale 132kV | 08/01/2020 15:30:00 | 63 | 21975.0 | 7417.5 | 0.0 | -7417.5 | 33.75 | 3022.50 | 4.938 | 0.000000 |
| Khaprale 132kV | 08/01/2020 15:45:00 | 64 | 21975.0 | 7315.0 | 0.0 | -7315.0 | 33.29 | 2920.00 | 4.719 | 0.000000 |
| Khaprale 132kV | 08/01/2020 16:00:00 | 65 | 21975.0 | 5862.5 | 0.0 | -5862.5 | 26.68 | 1467.50 | 0.555 | 0.000000 |
| Khaprale 132kV | 08/01/2020 16:15:00 | 66 | 21975.0 | 5802.5 | 0.0 | -5802.5 | 26.41 | 1407.50 | -4.081 | 0.000000 |
| Khaprale 132kV | 08/01/2020 16:30:00 | 67 | 21975.0 | 5695.0 | 0.0 | -5695.0 | 25.92 | 1300.00 | -3.754 | 0.000000 |
| Khaprale 132kV | 08/01/2020 16:45:00 | 68 | 21975.0 | 5657.5 | 0.0 | -5657.5 | 25.75 | 1262.50 | -8.000 | 0.000000 |
| Khaprale 132kV | 08/01/2020 17:00:00 | 69 | 21975.0 | 5460.0 | 0.0 | -5460.0 | 24.85 | 1081.88 | 0.000 | 0.000000 |
| Khaprale 132kV | 08/01/2020 17:15:00 | 70 | 21975.0 | 5387.5 | 0.0 | -5387.5 | 24.52 | 1045.63 | 4.081 | 1033.459240 |
| Khaprale 132kV | 08/01/2020 17:30:00 | 71 | 21975.0 | 5185.0 | 0.0 | -5185.0 | 23.59 | 944.38 | -5.387 | 0.000000 |
| Khaprale 132kV | 08/01/2020 17:45:00 | 72 | 21975.0 | 4902.5 | 0.0 | -4902.5 | 22.31 | 803.13 | -3.101 | 0.000000 |
| Khaprale 132kV | 08/01/2020 18:00:00 | 73 | 21975.0 | 4362.5 | 0.0 | -4362.5 | 19.85 | 533.13 | -2.775 | 0.000000 |
| Khaprale 132kV | 08/01/2020 18:15:00 | 74 | 21975.0 | 4207.5 | 0.0 | -4207.5 | 19.15 | 455.63 | -3.101 | 0.000000 |
| Khaprale 132kV | 08/01/2020 18:30:00 | 75 | 21975.0 | 4040.0 | 0.0 | -4040.0 | 18.38 | 371.88 | -2.220 | 0.000000 |
| Khaprale 132kV | 08/01/2020 18:45:00 | 76 | 21975.0 | 3820.0 | 0.0 | -3820.0 | 17.38 | 261.88 | 2.220 | 3011.208709 |
| Khaprale 132kV | 08/01/2020 19:00:00 | 77 | 21975.0 | 3617.5 | 0.0 | -3617.5 | 16.46 | 160.63 | 1.110 | 0.000000 |
| Khaprale 132kV | 08/01/2020 19:15:00 | 78 | 21975.0 | 3405.0 | 0.0 | -3405.0 | 15.49 | 54.38 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khaprale 132kV | 08/01/2020 19:30:00 | 79 | 21975.0 | 3202.5 | 0.0 | -3202.5 | 14.57 | 0.00 | -2.220 | 0.000000 |
| Khaprale 132kV | 08/01/2020 19:45:00 | 80 | 21975.0 | 3042.5 | 0.0 | -3042.5 | 13.85 | 0.00 | -0.555 | 0.000000 |
| Khaprale 132kV | 08/01/2020 20:00:00 | 81 | 21975.0 | 2847.5 | 0.0 | -2847.5 | 12.96 | 0.00 | 2.775 | 0.000000 |
| Khaprale 132kV | 08/01/2020 20:15:00 | 82 | 21975.0 | 3092.5 | 0.0 | -3092.5 | 14.07 | 0.00 | 3.101 | 5170.911901 |
| Khaprale 132kV | 08/01/2020 20:30:00 | 83 | 21975.0 | 2960.0 | 0.0 | -2960.0 | 13.47 | 0.00 | 4.408 | 6705.018030 |
| Khaprale 132kV | 08/01/2020 20:45:00 | 84 | 21975.0 | 2965.0 | 0.0 | -2965.0 | 13.49 | 0.00 | 3.101 | 1940.295796 |
| Khaprale 132kV | 08/01/2020 21:00:00 | 85 | 21975.0 | 2927.5 | 0.0 | -2927.5 | 13.32 | 0.00 | 3.101 | 0.000000 |
| Khaprale 132kV | 08/01/2020 21:15:00 | 86 | 21975.0 | 2932.5 | 0.0 | -2932.5 | 13.34 | 0.00 | -0.555 | 0.000000 |
| Khaprale 132kV | 08/01/2020 21:30:00 | 87 | 21975.0 | 2977.5 | 0.0 | -2977.5 | 13.55 | 0.00 | -1.110 | 0.000000 |
| Khaprale 132kV | 08/01/2020 21:45:00 | 88 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | -1.110 | 0.000000 |
| Khaprale 132kV | 08/01/2020 22:00:00 | 89 | 21975.0 | 2982.5 | 0.0 | -2982.5 | 13.57 | 0.00 | -2.489 | 0.000000 |
| Khaprale 132kV | 08/01/2020 22:15:00 | 90 | 21975.0 | 3015.0 | 0.0 | -3015.0 | 13.72 | 0.00 | -2.775 | 0.000000 |
| Khaprale 132kV | 08/01/2020 22:30:00 | 91 | 21975.0 | 3037.5 | 0.0 | -3037.5 | 13.82 | 0.00 | -2.223 | 0.000000 |
| Khaprale 132kV | 08/01/2020 22:45:00 | 92 | 21975.0 | 2932.5 | 0.0 | -2932.5 | 13.34 | 0.00 | 1.110 | 0.000000 |
| Khaprale 132kV | 08/01/2020 23:00:00 | 93 | 21975.0 | 2977.5 | 0.0 | -2977.5 | 13.55 | 0.00 | 1.110 | 317.880877 |
| Khaprale 132kV | 08/01/2020 23:15:00 | 94 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | 1.110 | 0.000000 |
| Khaprale 132kV | 08/01/2020 23:30:00 | 95 | 21975.0 | 2982.5 | 0.0 | -2982.5 | 13.57 | 0.00 | 2.775 | 27.112474 |
| Khaprale 132kV | 08/01/2020 23:45:00 | 96 | 21975.0 | 3015.0 | 0.0 | -3015.0 | 13.72 | 0.00 | 0.000 | 0.000000 |
| Khaprale 132kV | 09/01/2020 00:00:00 | 1 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | -0.576 | 0.000000 |
| Khaprale 132kV | 09/01/2020 00:15:00 | 2 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -1.727 | 0.000000 |
| Khaprale 132kV | 09/01/2020 00:30:00 | 3 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khaprale 132kV | 09/01/2020 00:45:00 | 4 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -2.879 | 0.000000 |
| Khaprale 132kV | 09/01/2020 01:00:00 | 5 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -3.519 | 0.000000 |
| Khaprale 132kV | 09/01/2020 01:15:00 | 6 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -3.519 | 0.000000 |
| Khaprale 132kV | 09/01/2020 01:30:00 | 7 | 21975.0 | 3112.5 | 0.0 | -3112.5 | 14.16 | 0.00 | -3.199 | 0.000000 |
| Khaprale 132kV | 09/01/2020 01:45:00 | 8 | 21975.0 | 3087.5 | 0.0 | -3087.5 | 14.05 | 0.00 | 3.519 | 750.223985 |
| Khaprale 132kV | 09/01/2020 02:00:00 | 9 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | 3.519 | 3454.098681 |
| Khaprale 132kV | 09/01/2020 02:15:00 | 10 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 2.879 | 1478.689283 |
| Khaprale 132kV | 09/01/2020 02:30:00 | 11 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | 3.199 | 2158.740386 |
| Khaprale 132kV | 09/01/2020 02:45:00 | 12 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 1.152 | 0.000000 |
| Khaprale 132kV | 09/01/2020 03:00:00 | 13 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -2.879 | 0.000000 |
| Khaprale 132kV | 09/01/2020 03:15:00 | 14 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -3.839 | 0.000000 |
| Khaprale 132kV | 09/01/2020 03:30:00 | 15 | 21975.0 | 3112.5 | 0.0 | -3112.5 | 14.16 | 0.00 | 3.199 | 0.000000 |
| Khaprale 132kV | 09/01/2020 03:45:00 | 16 | 21975.0 | 3087.5 | 0.0 | -3087.5 | 14.05 | 0.00 | 0.000 | 0.000000 |
| Khaprale 132kV | 09/01/2020 04:00:00 | 17 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | 1.727 | 0.000000 |
| Khaprale 132kV | 09/01/2020 04:15:00 | 18 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 1.727 | 0.000000 |
| Khaprale 132kV | 09/01/2020 04:30:00 | 19 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | 1.727 | 0.000000 |
| Khaprale 132kV | 09/01/2020 04:45:00 | 20 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | 2.879 | 2703.929056 |
| Khaprale 132kV | 09/01/2020 05:00:00 | 21 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 3.839 | 1528.734806 |
| Khaprale 132kV | 09/01/2020 05:15:00 | 22 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | 5.119 | 4428.589927 |
| Khaprale 132kV | 09/01/2020 05:30:00 | 23 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 4.064 | 7877.986791 |
| Khaprale 132kV | 09/01/2020 05:45:00 | 24 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | 1.152 | 21.922921 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khaprale 132kV | 09/01/2020 06:00:00 | 25 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -2.303 | 0.000000 |
| Khaprale 132kV | 09/01/2020 06:15:00 | 26 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 2.303 | 2037.019078 |
| Khaprale 132kV | 09/01/2020 06:30:00 | 27 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -3.839 | 0.000000 |
| Khaprale 132kV | 09/01/2020 06:45:00 | 28 | 21975.0 | 3112.5 | 0.0 | -3112.5 | 14.16 | 0.00 | -2.879 | 0.000000 |
| Khaprale 132kV | 09/01/2020 07:00:00 | 29 | 21975.0 | 3087.5 | 0.0 | -3087.5 | 14.05 | 0.00 | -2.879 | 0.000000 |
| Khaprale 132kV | 09/01/2020 07:15:00 | 30 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | 6.400 | 1560.927370 |
| Khaprale 132kV | 09/01/2020 07:30:00 | 31 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 1.172 | 0.000000 |
| Khaprale 132kV | 09/01/2020 07:45:00 | 32 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | 0.576 | 0.000000 |
| Khaprale 132kV | 09/01/2020 08:00:00 | 33 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -0.576 | 0.000000 |
| Khaprale 132kV | 09/01/2020 08:15:00 | 34 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -1.152 | 0.000000 |
| Khaprale 132kV | 09/01/2020 08:30:00 | 35 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 0.576 | 0.000000 |
| Khaprale 132kV | 09/01/2020 08:45:00 | 36 | 21975.0 | 3112.5 | 0.0 | -3112.5 | 14.16 | 0.00 | 0.000 | 0.000000 |
| Khaprale 132kV | 09/01/2020 09:00:00 | 37 | 21975.0 | 3087.5 | 0.0 | -3087.5 | 14.05 | 0.00 | 1.152 | 0.000000 |
| Khaprale 132kV | 09/01/2020 09:15:00 | 38 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | 1.727 | 0.000000 |
| Khaprale 132kV | 09/01/2020 09:30:00 | 39 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -3.839 | 0.000000 |
| Khaprale 132kV | 09/01/2020 09:45:00 | 40 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | -1.152 | 0.000000 |
| Khaprale 132kV | 09/01/2020 10:00:00 | 41 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | 0.000 | 0.000000 |
| Khaprale 132kV | 09/01/2020 10:15:00 | 42 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 1.727 | 0.000000 |
| Khaprale 132kV | 09/01/2020 10:30:00 | 43 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | 2.303 | 0.000000 |
| Khaprale 132kV | 09/01/2020 10:45:00 | 44 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -1.144 | 0.000000 |
| Khaprale 132kV | 09/01/2020 11:00:00 | 45 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | -4.479 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khaprale 132kV | 09/01/2020 11:15:00 | 46 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -3.519 | 0.000000 |
| Khaprale 132kV | 09/01/2020 11:30:00 | 47 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -2.303 | 0.000000 |
| Khaprale 132kV | 09/01/2020 11:45:00 | 48 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -0.576 | 0.000000 |
| Khaprale 132kV | 09/01/2020 12:00:00 | 49 | 21975.0 | 4612.5 | 0.0 | -4612.5 | 20.99 | 658.13 | 0.000 | 0.000000 |
| Khaprale 132kV | 09/01/2020 12:15:00 | 50 | 21975.0 | 4587.5 | 0.0 | -4587.5 | 20.88 | 645.63 | 3.839 | 0.000000 |
| Khaprale 132kV | 09/01/2020 12:30:00 | 51 | 21975.0 | 4637.5 | 0.0 | -4637.5 | 21.1 | 670.63 | 3.199 | 0.000000 |
| Khaprale 132kV | 09/01/2020 12:45:00 | 52 | 21975.0 | 4562.5 | 0.0 | -4562.5 | 20.76 | 633.13 | 3.199 | 0.000000 |
| Khaprale 132kV | 09/01/2020 13:00:00 | 53 | 21975.0 | 4607.5 | 0.0 | -4607.5 | 20.97 | 655.63 | -1.152 | 0.000000 |
| Khaprale 132kV | 09/01/2020 13:15:00 | 54 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -1.152 | 0.000000 |
| Khaprale 132kV | 09/01/2020 13:30:00 | 55 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 1.727 | 0.000000 |
| Khaprale 132kV | 09/01/2020 13:45:00 | 56 | 21975.0 | 3112.5 | 0.0 | -3112.5 | 14.16 | 0.00 | 3.199 | 0.000000 |
| Khaprale 132kV | 09/01/2020 14:00:00 | 57 | 21975.0 | 3087.5 | 0.0 | -3087.5 | 14.05 | 0.00 | 4.345 | 0.000000 |
| Khaprale 132kV | 09/01/2020 14:15:00 | 58 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | 3.941 | 0.000000 |
| Khaprale 132kV | 09/01/2020 14:30:00 | 59 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 1.152 | 0.000000 |
| Khaprale 132kV | 09/01/2020 14:45:00 | 60 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | -0.576 | 0.000000 |
| Khaprale 132kV | 09/01/2020 15:00:00 | 61 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | -1.006 | 0.000000 |
| Khaprale 132kV | 09/01/2020 15:15:00 | 62 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 3.199 | 0.000000 |
| Khaprale 132kV | 09/01/2020 15:30:00 | 63 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | 2.879 | 0.000000 |
| Khaprale 132kV | 09/01/2020 15:45:00 | 64 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 3.839 | 0.000000 |
| Khaprale 132kV | 09/01/2020 16:00:00 | 65 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | 1.727 | 0.000000 |
| Khaprale 132kV | 09/01/2020 16:15:00 | 66 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khaprale 132kV | 09/01/2020 16:30:00 | 67 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -4.159 | 0.000000 |
| Khaprale 132kV | 09/01/2020 16:45:00 | 68 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 3.839 | 0.000000 |
| Khaprale 132kV | 09/01/2020 17:00:00 | 69 | 21975.0 | 3030.0 | 0.0 | -3030.0 | 13.79 | 0.00 | 1.727 | 0.000000 |
| Khaprale 132kV | 09/01/2020 17:15:00 | 70 | 21975.0 | 3087.5 | 0.0 | -3087.5 | 14.05 | 0.00 | 3.839 | 1061.222421 |
| Khaprale 132kV | 09/01/2020 17:30:00 | 71 | 21975.0 | 3085.0 | 0.0 | -3085.0 | 14.04 | 0.00 | -2.879 | 0.000000 |
| Khaprale 132kV | 09/01/2020 17:45:00 | 72 | 21975.0 | 3052.5 | 0.0 | -3052.5 | 13.89 | 0.00 | -4.146 | 0.000000 |
| Khaprale 132kV | 09/01/2020 18:00:00 | 73 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -3.349 | 0.000000 |
| Khaprale 132kV | 09/01/2020 18:15:00 | 74 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -4.563 | 0.000000 |
| Khaprale 132kV | 09/01/2020 18:30:00 | 75 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -3.839 | 0.000000 |
| Khaprale 132kV | 09/01/2020 18:45:00 | 76 | 21975.0 | 3112.5 | 0.0 | -3112.5 | 14.16 | 0.00 | -2.879 | 0.000000 |
| Khaprale 132kV | 09/01/2020 19:00:00 | 77 | 21975.0 | 3087.5 | 0.0 | -3087.5 | 14.05 | 0.00 | -3.199 | 0.000000 |
| Khaprale 132kV | 09/01/2020 19:15:00 | 78 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | -1.727 | 0.000000 |
| Khaprale 132kV | 09/01/2020 19:30:00 | 79 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -1.442 | 0.000000 |
| Khaprale 132kV | 09/01/2020 19:45:00 | 80 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | -0.286 | 0.000000 |
| Khaprale 132kV | 09/01/2020 20:00:00 | 81 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | -1.070 | 0.000000 |
| Khaprale 132kV | 09/01/2020 20:15:00 | 82 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -2.236 | 0.000000 |
| Khaprale 132kV | 09/01/2020 20:30:00 | 83 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | -4.799 | 0.000000 |
| Khaprale 132kV | 09/01/2020 20:45:00 | 84 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -1.727 | 0.000000 |
| Khaprale 132kV | 09/01/2020 21:00:00 | 85 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | -1.727 | 0.000000 |
| Khaprale 132kV | 09/01/2020 21:15:00 | 86 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 1.152 | 0.000000 |
| Khaprale 132kV | 09/01/2020 21:30:00 | 87 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khaprale 132kV | 09/01/2020 21:45:00 | 88 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | -2.303 | 0.000000 |
| Khaprale 132kV | 09/01/2020 22:00:00 | 89 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -2.795 | 0.000000 |
| Khaprale 132kV | 09/01/2020 22:15:00 | 90 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -3.674 | 0.000000 |
| Khaprale 132kV | 09/01/2020 22:30:00 | 91 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -2.303 | 0.000000 |
| Khaprale 132kV | 09/01/2020 22:45:00 | 92 | 21975.0 | 3112.5 | 0.0 | -3112.5 | 14.16 | 0.00 | -1.152 | 0.000000 |
| Khaprale 132kV | 09/01/2020 23:00:00 | 93 | 21975.0 | 3087.5 | 0.0 | -3087.5 | 14.05 | 0.00 | 0.000 | 0.000000 |
| Khaprale 132kV | 09/01/2020 23:15:00 | 94 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | -0.576 | 0.000000 |
| Khaprale 132kV | 09/01/2020 23:30:00 | 95 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -0.576 | 0.000000 |
| Khaprale 132kV | 09/01/2020 23:45:00 | 96 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | -0.987 | 0.000000 |
| Khaprale 132kV | 10/01/2020 00:00:00 | 1 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | -0.680 | 0.000000 |
| Khaprale 132kV | 10/01/2020 00:15:00 | 2 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -3.326 | 0.000000 |
| Khaprale 132kV | 10/01/2020 00:30:00 | 3 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | -2.992 | 0.000000 |
| Khaprale 132kV | 10/01/2020 00:45:00 | 4 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -0.532 | 0.000000 |
| Khaprale 132kV | 10/01/2020 01:00:00 | 5 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -0.713 | 0.000000 |
| Khaprale 132kV | 10/01/2020 01:15:00 | 6 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -0.548 | 0.000000 |
| Khaprale 132kV | 10/01/2020 01:30:00 | 7 | 21975.0 | 3112.5 | 0.0 | -3112.5 | 14.16 | 0.00 | -2.658 | 0.000000 |
| Khaprale 132kV | 10/01/2020 01:45:00 | 8 | 21975.0 | 7175.0 | 0.0 | -7175.0 | 32.65 | 2780.00 | 2.127 | 0.000000 |
| Khaprale 132kV | 10/01/2020 02:00:00 | 9 | 21975.0 | 6862.5 | 0.0 | -6862.5 | 31.23 | 2467.50 | 5.342 | 13446.175335 |
| Khaprale 132kV | 10/01/2020 02:15:00 | 10 | 21975.0 | 6690.0 | 0.0 | -6690.0 | 30.44 | 2295.00 | 1.595 | 0.000000 |
| Khaprale 132kV | 10/01/2020 02:30:00 | 11 | 21975.0 | 6377.5 | 0.0 | -6377.5 | 29.02 | 1982.50 | 3.326 | 0.000000 |
| Khaprale 132kV | 10/01/2020 02:45:00 | 12 | 21975.0 | 5952.5 | 0.0 | -5952.5 | 27.09 | 1557.50 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khaprale 132kV | 10/01/2020 03:00:00 | 13 | 21975.0 | 5885.0 | 0.0 | -5885.0 | 26.78 | 1490.00 | 2.658 | 0.000000 |
| Khaprale 132kV | 10/01/2020 03:15:00 | 14 | 21975.0 | 5540.0 | 0.0 | -5540.0 | 25.21 | 1145.00 | 2.127 | 878.437797 |
| Khaprale 132kV | 10/01/2020 03:30:00 | 15 | 21975.0 | 5580.0 | 0.0 | -5580.0 | 25.39 | 1185.00 | 2.127 | 1048.988068 |
| Khaprale 132kV | 10/01/2020 03:45:00 | 16 | 21975.0 | 5590.0 | 0.0 | -5590.0 | 25.44 | 1195.00 | -1.063 | 0.000000 |
| Khaprale 132kV | 10/01/2020 04:00:00 | 17 | 21975.0 | 5325.0 | 0.0 | -5325.0 | 24.23 | 1014.38 | 1.595 | 0.000000 |
| Khaprale 132kV | 10/01/2020 04:15:00 | 18 | 21975.0 | 5090.0 | 0.0 | -5090.0 | 23.16 | 896.88 | 3.326 | 3026.712098 |
| Khaprale 132kV | 10/01/2020 04:30:00 | 19 | 21975.0 | 8337.5 | 0.0 | -8337.5 | 37.94 | 4265.63 | 3.326 | 0.000000 |
| Khaprale 132kV | 10/01/2020 04:45:00 | 20 | 21975.0 | 8340.0 | 0.0 | -8340.0 | 37.95 | 4269.38 | 2.127 | 0.000000 |
| Khaprale 132kV | 10/01/2020 05:00:00 | 21 | 21975.0 | 8330.0 | 0.0 | -8330.0 | 37.91 | 4254.38 | 2.992 | 0.000000 |
| Khaprale 132kV | 10/01/2020 05:15:00 | 22 | 21975.0 | 8162.5 | 0.0 | -8162.5 | 37.14 | 4003.13 | 1.063 | 0.000000 |
| Khaprale 132kV | 10/01/2020 05:30:00 | 23 | 21975.0 | 7880.0 | 0.0 | -7880.0 | 35.86 | 3579.38 | -2.658 | 0.000000 |
| Khaprale 132kV | 10/01/2020 05:45:00 | 24 | 21975.0 | 7885.0 | 0.0 | -7885.0 | 35.88 | 3586.88 | 2.127 | 0.000000 |
| Khaprale 132kV | 10/01/2020 06:00:00 | 25 | 21975.0 | 7912.5 | 0.0 | -7912.5 | 36.01 | 3628.13 | -2.127 | 0.000000 |
| Khaprale 132kV | 10/01/2020 06:15:00 | 26 | 21975.0 | 7815.0 | 0.0 | -7815.0 | 35.56 | 3481.88 | 2.658 | 1982.579091 |
| Khaprale 132kV | 10/01/2020 06:30:00 | 27 | 21975.0 | 6162.5 | 0.0 | -6162.5 | 28.04 | 1767.50 | -2.992 | 0.000000 |
| Khaprale 132kV | 10/01/2020 06:45:00 | 28 | 21975.0 | 5905.0 | 0.0 | -5905.0 | 26.87 | 1510.00 | -3.077 | 0.000000 |
| Khaprale 132kV | 10/01/2020 07:00:00 | 29 | 21975.0 | 5837.5 | 0.0 | -5837.5 | 26.56 | 1442.50 | -0.687 | 0.000000 |
| Khaprale 132kV | 10/01/2020 07:15:00 | 30 | 21975.0 | 5655.0 | 0.0 | -5655.0 | 25.73 | 1260.00 | -2.658 | 0.000000 |
| Khaprale 132kV | 10/01/2020 07:30:00 | 31 | 21975.0 | 5552.5 | 0.0 | -5552.5 | 25.27 | 1157.50 | -1.063 | 0.000000 |
| Khaprale 132kV | 10/01/2020 07:45:00 | 32 | 21975.0 | 5557.5 | 0.0 | -5557.5 | 25.29 | 1162.50 | -2.658 | 0.000000 |
| Khaprale 132kV | 10/01/2020 08:00:00 | 33 | 21975.0 | 5412.5 | 0.0 | -5412.5 | 24.63 | 1058.13 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khaprale 132kV | 10/01/2020 08:15:00 | 34 | 21975.0 | 5337.5 | 0.0 | -5337.5 | 24.29 | 1020.63 | -4.661 | 0.000000 |
| Khaprale 132kV | 10/01/2020 08:30:00 | 35 | 21975.0 | 5130.0 | 0.0 | -5130.0 | 23.34 | 916.88 | 5.663 | 0.000000 |
| Khaprale 132kV | 10/01/2020 08:45:00 | 36 | 21975.0 | 5090.0 | 0.0 | -5090.0 | 23.16 | 896.88 | 4.328 | 0.000000 |
| Khaprale 132kV | 10/01/2020 09:00:00 | 37 | 21975.0 | 4920.0 | 0.0 | -4920.0 | 22.39 | 811.88 | -4.995 | 0.000000 |
| Khaprale 132kV | 10/01/2020 09:15:00 | 38 | 21975.0 | 4885.0 | 0.0 | -4885.0 | 22.23 | 794.38 | -4.327 | 0.000000 |
| Khaprale 132kV | 10/01/2020 09:30:00 | 39 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | -2.127 | 0.000000 |
| Khaprale 132kV | 10/01/2020 09:45:00 | 40 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -1.152 | 0.000000 |
| Khaprale 132kV | 10/01/2020 10:00:00 | 41 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 0.000 | 0.000000 |
| Khaprale 132kV | 10/01/2020 10:15:00 | 42 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -0.532 | 0.000000 |
| Khaprale 132kV | 10/01/2020 10:30:00 | 43 | 21975.0 | 3112.5 | 0.0 | -3112.5 | 14.16 | 0.00 | -1.063 | 0.000000 |
| Khaprale 132kV | 10/01/2020 10:45:00 | 44 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | 0.000 | 0.000000 |
| Khaprale 132kV | 10/01/2020 11:00:00 | 45 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 2.658 | 0.000000 |
| Khaprale 132kV | 10/01/2020 11:15:00 | 46 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | 0.000 | 0.000000 |
| Khaprale 132kV | 10/01/2020 11:30:00 | 47 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -1.595 | 0.000000 |
| Khaprale 132kV | 10/01/2020 11:45:00 | 48 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 2.992 | 0.000000 |
| Khaprale 132kV | 10/01/2020 12:00:00 | 49 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 0.000 | 0.000000 |
| Khaprale 132kV | 10/01/2020 12:15:00 | 50 | 21975.0 | 3112.5 | 0.0 | -3112.5 | 14.16 | 0.00 | 2.127 | 0.000000 |
| Khaprale 132kV | 10/01/2020 12:30:00 | 51 | 21975.0 | 3017.5 | 0.0 | -3017.5 | 13.73 | 0.00 | 1.595 | 0.000000 |
| Khaprale 132kV | 10/01/2020 12:45:00 | 52 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | -1.063 | 0.000000 |
| Khaprale 132kV | 10/01/2020 13:00:00 | 53 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 2.658 | 0.000000 |
| Khaprale 132kV | 10/01/2020 13:15:00 | 54 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khaprale 132kV | 10/01/2020 13:30:00 | 55 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 2.127 | 0.000000 |
| Khaprale 132kV | 10/01/2020 13:45:00 | 56 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -3.326 | 0.000000 |
| Khaprale 132kV | 10/01/2020 14:00:00 | 57 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -2.992 | 0.000000 |
| Khaprale 132kV | 10/01/2020 14:15:00 | 58 | 21975.0 | 3112.5 | 0.0 | -3112.5 | 14.16 | 0.00 | 3.660 | 0.000000 |
| Khaprale 132kV | 10/01/2020 14:30:00 | 59 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | -2.127 | 0.000000 |
| Khaprale 132kV | 10/01/2020 14:45:00 | 60 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -2.127 | 0.000000 |
| Khaprale 132kV | 10/01/2020 15:00:00 | 61 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | 0.000 | 0.000000 |
| Khaprale 132kV | 10/01/2020 15:15:00 | 62 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -2.992 | 0.000000 |
| Khaprale 132kV | 10/01/2020 15:30:00 | 63 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -4.995 | 0.000000 |
| Khaprale 132kV | 10/01/2020 15:45:00 | 64 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -4.327 | 0.000000 |
| Khaprale 132kV | 10/01/2020 16:00:00 | 65 | 21975.0 | 3112.5 | 0.0 | -3112.5 | 14.16 | 0.00 | -4.995 | 0.000000 |
| Khaprale 132kV | 10/01/2020 16:15:00 | 66 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | -8.000 | 0.000000 |
| Khaprale 132kV | 10/01/2020 16:30:00 | 67 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -8.000 | 0.000000 |
| Khaprale 132kV | 10/01/2020 16:45:00 | 68 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | 4.327 | 0.000000 |
| Khaprale 132kV | 10/01/2020 17:00:00 | 69 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 0.532 | 0.000000 |
| Khaprale 132kV | 10/01/2020 17:15:00 | 70 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -1.595 | 0.000000 |
| Khaprale 132kV | 10/01/2020 17:30:00 | 71 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -2.658 | 0.000000 |
| Khaprale 132kV | 10/01/2020 17:45:00 | 72 | 21975.0 | 3112.5 | 0.0 | -3112.5 | 14.16 | 0.00 | -2.127 | 0.000000 |
| Khaprale 132kV | 10/01/2020 18:00:00 | 73 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | -1.461 | 0.000000 |
| Khaprale 132kV | 10/01/2020 18:15:00 | 74 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 3.326 | 1076.212090 |
| Khaprale 132kV | 10/01/2020 18:30:00 | 75 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khaprale 132kV | 10/01/2020 18:45:00 | 76 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 3.994 | 511.205951 |
| Khaprale 132kV | 10/01/2020 19:00:00 | 77 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -2.127 | 0.000000 |
| Khaprale 132kV | 10/01/2020 19:15:00 | 78 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -2.658 | 0.000000 |
| Khaprale 132kV | 10/01/2020 19:30:00 | 79 | 21975.0 | 3112.5 | 0.0 | -3112.5 | 14.16 | 0.00 | -3.660 | 0.000000 |
| Khaprale 132kV | 10/01/2020 19:45:00 | 80 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | -3.326 | 0.000000 |
| Khaprale 132kV | 10/01/2020 20:00:00 | 81 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 3.660 | 746.542094 |
| Khaprale 132kV | 10/01/2020 20:15:00 | 82 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | 3.660 | 3253.091065 |
| Khaprale 132kV | 10/01/2020 20:30:00 | 83 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 4.995 | 4551.368013 |
| Khaprale 132kV | 10/01/2020 20:45:00 | 84 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 2.992 | 3218.471743 |
| Khaprale 132kV | 10/01/2020 21:00:00 | 85 | 21975.0 | 4562.5 | 0.0 | -4562.5 | 20.76 | 633.13 | -3.660 | 0.000000 |
| Khaprale 132kV | 10/01/2020 21:15:00 | 86 | 21975.0 | 4612.5 | 0.0 | -4612.5 | 20.99 | 658.13 | -1.595 | 0.000000 |
| Khaprale 132kV | 10/01/2020 21:30:00 | 87 | 21975.0 | 4887.5 | 0.0 | -4887.5 | 22.24 | 795.63 | -1.063 | 0.000000 |
| Khaprale 132kV | 10/01/2020 21:45:00 | 88 | 21975.0 | 4812.5 | 0.0 | -4812.5 | 21.9 | 758.13 | -0.532 | 0.000000 |
| Khaprale 132kV | 10/01/2020 22:00:00 | 89 | 21975.0 | 5107.5 | 0.0 | -5107.5 | 23.24 | 905.63 | -1.595 | 0.000000 |
| Khaprale 132kV | 10/01/2020 22:15:00 | 90 | 21975.0 | 5062.5 | 0.0 | -5062.5 | 23.04 | 883.13 | -2.127 | 0.000000 |
| Khaprale 132kV | 10/01/2020 22:30:00 | 91 | 21975.0 | 6587.5 | 0.0 | -6587.5 | 29.98 | 2192.50 | 1.063 | 0.000000 |
| Khaprale 132kV | 10/01/2020 22:45:00 | 92 | 21975.0 | 6912.5 | 0.0 | -6912.5 | 31.46 | 2517.50 | -2.658 | 0.000000 |
| Khaprale 132kV | 10/01/2020 23:00:00 | 93 | 21975.0 | 7135.0 | 0.0 | -7135.0 | 32.47 | 2740.00 | -2.658 | 0.000000 |
| Khaprale 132kV | 10/01/2020 23:15:00 | 94 | 21975.0 | 7330.0 | 0.0 | -7330.0 | 33.36 | 2935.00 | 0.000 | 0.000000 |
| Khaprale 132kV | 10/01/2020 23:30:00 | 95 | 21975.0 | 7640.0 | 0.0 | -7640.0 | 34.77 | 3245.00 | 0.000 | 0.000000 |
| Khaprale 132kV | 10/01/2020 23:45:00 | 96 | 21975.0 | 7807.5 | 0.0 | -7807.5 | 35.53 | 3470.63 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khaprale 132kV | 11/01/2020 00:00:00 | 1 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | 0.000 | 0.000000 |
| Khaprale 132kV | 11/01/2020 00:15:00 | 2 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -2.629 | 0.000000 |
| Khaprale 132kV | 11/01/2020 00:30:00 | 3 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | -1.577 | 0.000000 |
| Khaprale 132kV | 11/01/2020 00:45:00 | 4 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 2.103 | 0.000000 |
| Khaprale 132kV | 11/01/2020 01:00:00 | 5 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 2.964 | 1438.802715 |
| Khaprale 132kV | 11/01/2020 01:15:00 | 6 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 1.052 | 201.977454 |
| Khaprale 132kV | 11/01/2020 01:30:00 | 7 | 21975.0 | 5090.0 | 0.0 | -5090.0 | 23.16 | 896.88 | 1.577 | 597.666725 |
| Khaprale 132kV | 11/01/2020 01:45:00 | 8 | 21975.0 | 5037.5 | 0.0 | -5037.5 | 22.92 | 870.63 | -0.526 | 0.000000 |
| Khaprale 132kV | 11/01/2020 02:00:00 | 9 | 21975.0 | 5030.0 | 0.0 | -5030.0 | 22.89 | 866.88 | -0.403 | 0.000000 |
| Khaprale 132kV | 11/01/2020 02:15:00 | 10 | 21975.0 | 4962.5 | 0.0 | -4962.5 | 22.58 | 833.13 | -0.630 | 0.000000 |
| Khaprale 132kV | 11/01/2020 02:30:00 | 11 | 21975.0 | 4912.5 | 0.0 | -4912.5 | 22.35 | 808.13 | -0.526 | 0.000000 |
| Khaprale 132kV | 11/01/2020 02:45:00 | 12 | 21975.0 | 5830.0 | 0.0 | -5830.0 | 26.53 | 1435.00 | -0.526 | 0.000000 |
| Khaprale 132kV | 11/01/2020 03:00:00 | 13 | 21975.0 | 5942.5 | 0.0 | -5942.5 | 27.04 | 1547.50 | -1.051 | 0.000000 |
| Khaprale 132kV | 11/01/2020 03:15:00 | 14 | 21975.0 | 6037.5 | 0.0 | -6037.5 | 27.47 | 1642.50 | 0.000 | 0.000000 |
| Khaprale 132kV | 11/01/2020 03:30:00 | 15 | 21975.0 | 6005.0 | 0.0 | -6005.0 | 27.33 | 1610.00 | 0.000 | 0.000000 |
| Khaprale 132kV | 11/01/2020 03:45:00 | 16 | 21975.0 | 6180.0 | 0.0 | -6180.0 | 28.12 | 1785.00 | 0.000 | 0.000000 |
| Khaprale 132kV | 11/01/2020 04:00:00 | 17 | 21975.0 | 6337.5 | 0.0 | -6337.5 | 28.84 | 1942.50 | 0.000 | 0.000000 |
| Khaprale 132kV | 11/01/2020 04:15:00 | 18 | 21975.0 | 7240.0 | 0.0 | -7240.0 | 32.95 | 2845.00 | -1.051 | 0.000000 |
| Khaprale 132kV | 11/01/2020 04:30:00 | 19 | 21975.0 | 7265.0 | 0.0 | -7265.0 | 33.06 | 2870.00 | -2.964 | 0.000000 |
| Khaprale 132kV | 11/01/2020 04:45:00 | 20 | 21975.0 | 7415.0 | 0.0 | -7415.0 | 33.74 | 3020.00 | -3.300 | 0.000000 |
| Khaprale 132kV | 11/01/2020 05:00:00 | 21 | 21975.0 | 7290.0 | 0.0 | -7290.0 | 33.17 | 2895.00 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khaprale 132kV | 11/01/2020 05:15:00 | 22 | 21975.0 | 7212.5 | 0.0 | -7212.5 | 32.82 | 2817.50 | 5.314 | 9037.221099 |
| Khaprale 132kV | 11/01/2020 05:30:00 | 23 | 21975.0 | 7235.0 | 0.0 | -7235.0 | 32.92 | 2840.00 | 2.964 | 4380.440218 |
| Khaprale 132kV | 11/01/2020 05:45:00 | 24 | 21975.0 | 7425.0 | 0.0 | -7425.0 | 33.79 | 3030.00 | 2.103 | 0.000000 |
| Khaprale 132kV | 11/01/2020 06:00:00 | 25 | 21975.0 | 6515.0 | 0.0 | -6515.0 | 29.65 | 2120.00 | 3.636 | 0.000000 |
| Khaprale 132kV | 11/01/2020 06:15:00 | 26 | 21975.0 | 6665.0 | 0.0 | -6665.0 | 30.33 | 2270.00 | 2.964 | 0.000000 |
| Khaprale 132kV | 11/01/2020 06:30:00 | 27 | 21975.0 | 6540.0 | 0.0 | -6540.0 | 29.76 | 2145.00 | 4.105 | 4804.483099 |
| Khaprale 132kV | 11/01/2020 06:45:00 | 28 | 21975.0 | 6462.5 | 0.0 | -6462.5 | 29.41 | 2067.50 | 5.650 | 999.440538 |
| Khaprale 132kV | 11/01/2020 07:00:00 | 29 | 21975.0 | 6485.0 | 0.0 | -6485.0 | 29.51 | 2090.00 | 3.300 | 0.000000 |
| Khaprale 132kV | 11/01/2020 07:15:00 | 30 | 21975.0 | 6675.0 | 0.0 | -6675.0 | 30.38 | 2280.00 | 5.314 | 0.000000 |
| Khaprale 132kV | 11/01/2020 07:30:00 | 31 | 21975.0 | 6617.5 | 0.0 | -6617.5 | 30.11 | 2222.50 | 2.964 | 0.000000 |
| Khaprale 132kV | 11/01/2020 07:45:00 | 32 | 21975.0 | 6530.0 | 0.0 | -6530.0 | 29.72 | 2135.00 | 2.103 | 0.000000 |
| Khaprale 132kV | 11/01/2020 08:00:00 | 33 | 21975.0 | 6477.5 | 0.0 | -6477.5 | 29.48 | 2082.50 | -1.577 | 0.000000 |
| Khaprale 132kV | 11/01/2020 08:15:00 | 34 | 21975.0 | 6142.5 | 0.0 | -6142.5 | 27.95 | 1747.50 | 3.300 | 0.000000 |
| Khaprale 132kV | 11/01/2020 08:30:00 | 35 | 21975.0 | 5802.5 | 0.0 | -5802.5 | 26.41 | 1407.50 | 2.116 | 0.000000 |
| Khaprale 132kV | 11/01/2020 08:45:00 | 36 | 21975.0 | 5557.5 | 0.0 | -5557.5 | 25.29 | 1162.50 | 2.964 | 0.000000 |
| Khaprale 132kV | 11/01/2020 09:00:00 | 37 | 21975.0 | 5590.0 | 0.0 | -5590.0 | 25.44 | 1195.00 | 6.681 | 0.000000 |
| Khaprale 132kV | 11/01/2020 09:15:00 | 38 | 21975.0 | 5552.5 | 0.0 | -5552.5 | 25.27 | 1157.50 | 6.657 | 0.000000 |
| Khaprale 132kV | 11/01/2020 09:30:00 | 39 | 21975.0 | 5562.5 | 0.0 | -5562.5 | 25.31 | 1167.50 | -6.322 | 0.000000 |
| Khaprale 132kV | 11/01/2020 09:45:00 | 40 | 21975.0 | 5330.0 | 0.0 | -5330.0 | 24.25 | 1016.88 | -2.103 | 0.000000 |
| Khaprale 132kV | 11/01/2020 10:00:00 | 41 | 21975.0 | 5312.5 | 0.0 | -5312.5 | 24.18 | 1008.13 | 0.526 | 0.000000 |
| Khaprale 132kV | 11/01/2020 10:15:00 | 42 | 21975.0 | 5337.5 | 0.0 | -5337.5 | 24.29 | 1020.63 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khaprale 132kV | 11/01/2020 10:30:00 | 43 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | 0.000 | 0.000000 |
| Khaprale 132kV | 11/01/2020 10:45:00 | 44 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 0.000 | 0.000000 |
| Khaprale 132kV | 11/01/2020 11:00:00 | 45 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | 0.000 | 0.000000 |
| Khaprale 132kV | 11/01/2020 11:15:00 | 46 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -2.964 | 0.000000 |
| Khaprale 132kV | 11/01/2020 11:30:00 | 47 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -4.307 | 0.000000 |
| Khaprale 132kV | 11/01/2020 11:45:00 | 48 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -3.300 | 0.000000 |
| Khaprale 132kV | 11/01/2020 12:00:00 | 49 | 21975.0 | 3112.5 | 0.0 | -3112.5 | 14.16 | 0.00 | -0.526 | 0.000000 |
| Khaprale 132kV | 11/01/2020 12:15:00 | 50 | 21975.0 | 3087.5 | 0.0 | -3087.5 | 14.05 | 0.00 | -2.103 | 0.000000 |
| Khaprale 132kV | 11/01/2020 12:30:00 | 51 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | -2.629 | 0.000000 |
| Khaprale 132kV | 11/01/2020 12:45:00 | 52 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -2.629 | 0.000000 |
| Khaprale 132kV | 11/01/2020 13:00:00 | 53 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | 0.000 | 0.000000 |
| Khaprale 132kV | 11/01/2020 13:15:00 | 54 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -2.103 | 0.000000 |
| Khaprale 132kV | 11/01/2020 13:30:00 | 55 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 2.629 | 0.000000 |
| Khaprale 132kV | 11/01/2020 13:45:00 | 56 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 2.103 | 0.000000 |
| Khaprale 132kV | 11/01/2020 14:00:00 | 57 | 21975.0 | 3112.5 | 0.0 | -3112.5 | 14.16 | 0.00 | 1.051 | 0.000000 |
| Khaprale 132kV | 11/01/2020 14:15:00 | 58 | 21975.0 | 3087.5 | 0.0 | -3087.5 | 14.05 | 0.00 | 3.300 | 0.000000 |
| Khaprale 132kV | 11/01/2020 14:30:00 | 59 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | -3.636 | 0.000000 |
| Khaprale 132kV | 11/01/2020 14:45:00 | 60 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 4.979 | 0.000000 |
| Khaprale 132kV | 11/01/2020 15:00:00 | 61 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | -2.964 | 0.000000 |
| Khaprale 132kV | 11/01/2020 15:15:00 | 62 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | -5.314 | 0.000000 |
| Khaprale 132kV | 11/01/2020 15:30:00 | 63 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khaprale 132kV | 11/01/2020 15:45:00 | 64 | 21975.0 | 3015.0 | 0.0 | -3015.0 | 13.72 | 0.00 | 4.643 | 0.000000 |
| Khaprale 132kV | 11/01/2020 16:00:00 | 65 | 21975.0 | 3037.5 | 0.0 | -3037.5 | 13.82 | 0.00 | 2.103 | 0.000000 |
| Khaprale 132kV | 11/01/2020 16:15:00 | 66 | 21975.0 | 2940.0 | 0.0 | -2940.0 | 13.38 | 0.00 | -2.964 | 0.000000 |
| Khaprale 132kV | 11/01/2020 16:30:00 | 67 | 21975.0 | 2892.5 | 0.0 | -2892.5 | 13.16 | 0.00 | -2.103 | 0.000000 |
| Khaprale 132kV | 11/01/2020 16:45:00 | 68 | 21975.0 | 2962.5 | 0.0 | -2962.5 | 13.48 | 0.00 | 3.972 | 0.000000 |
| Khaprale 132kV | 11/01/2020 17:00:00 | 69 | 21975.0 | 3030.0 | 0.0 | -3030.0 | 13.79 | 0.00 | -1.577 | 0.000000 |
| Khaprale 132kV | 11/01/2020 17:15:00 | 70 | 21975.0 | 3087.5 | 0.0 | -3087.5 | 14.05 | 0.00 | -1.577 | 0.000000 |
| Khaprale 132kV | 11/01/2020 17:30:00 | 71 | 21975.0 | 3085.0 | 0.0 | -3085.0 | 14.04 | 0.00 | 1.051 | 39.362578 |
| Khaprale 132kV | 11/01/2020 17:45:00 | 72 | 21975.0 | 3052.5 | 0.0 | -3052.5 | 13.89 | 0.00 | -2.103 | 0.000000 |
| Khaprale 132kV | 11/01/2020 18:00:00 | 73 | 21975.0 | 2972.5 | 0.0 | -2972.5 | 13.53 | 0.00 | -2.964 | 0.000000 |
| Khaprale 132kV | 11/01/2020 18:15:00 | 74 | 21975.0 | 3105.0 | 0.0 | -3105.0 | 14.13 | 0.00 | -2.629 | 0.000000 |
| Khaprale 132kV | 11/01/2020 18:30:00 | 75 | 21975.0 | 2930.0 | 0.0 | -2930.0 | 13.33 | 0.00 | 2.103 | 102.996806 |
| Khaprale 132kV | 11/01/2020 18:45:00 | 76 | 21975.0 | 3025.0 | 0.0 | -3025.0 | 13.77 | 0.00 | 0.526 | 311.353664 |
| Khaprale 132kV | 11/01/2020 19:00:00 | 77 | 21975.0 | 3042.5 | 0.0 | -3042.5 | 13.85 | 0.00 | 2.103 | 1243.763501 |
| Khaprale 132kV | 11/01/2020 19:15:00 | 78 | 21975.0 | 3002.5 | 0.0 | -3002.5 | 13.66 | 0.00 | -1.052 | 0.000000 |
| Khaprale 132kV | 11/01/2020 19:30:00 | 79 | 21975.0 | 2937.5 | 0.0 | -2937.5 | 13.37 | 0.00 | 2.964 | 0.000000 |
| Khaprale 132kV | 11/01/2020 19:45:00 | 80 | 21975.0 | 2905.0 | 0.0 | -2905.0 | 13.22 | 0.00 | 2.629 | 2160.846197 |
| Khaprale 132kV | 11/01/2020 20:00:00 | 81 | 21975.0 | 2950.0 | 0.0 | -2950.0 | 13.42 | 0.00 | 2.629 | 479.760603 |
| Khaprale 132kV | 11/01/2020 20:15:00 | 82 | 21975.0 | 3092.5 | 0.0 | -3092.5 | 14.07 | 0.00 | 4.307 | 1658.431445 |
| Khaprale 132kV | 11/01/2020 20:30:00 | 83 | 21975.0 | 2960.0 | 0.0 | -2960.0 | 13.47 | 0.00 | 2.964 | 4070.032944 |
| Khaprale 132kV | 11/01/2020 20:45:00 | 84 | 21975.0 | 2965.0 | 0.0 | -2965.0 | 13.49 | 0.00 | 2.629 | 3499.598015 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khaprale 132kV | 11/01/2020 21:00:00 | 85 | 21975.0 | 2927.5 | 0.0 | -2927.5 | 13.32 | 0.00 | 3.636 | 627.562398 |
| Khaprale 132kV | 11/01/2020 21:15:00 | 86 | 21975.0 | 2932.5 | 0.0 | -2932.5 | 13.34 | 0.00 | -1.577 | 0.000000 |
| Khaprale 132kV | 11/01/2020 21:30:00 | 87 | 21975.0 | 2977.5 | 0.0 | -2977.5 | 13.55 | 0.00 | -1.577 | 0.000000 |
| Khaprale 132kV | 11/01/2020 21:45:00 | 88 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | -1.052 | 0.000000 |
| Khaprale 132kV | 11/01/2020 22:00:00 | 89 | 21975.0 | 2982.5 | 0.0 | -2982.5 | 13.57 | 0.00 | -5.650 | 0.000000 |
| Khaprale 132kV | 11/01/2020 22:15:00 | 90 | 21975.0 | 3015.0 | 0.0 | -3015.0 | 13.72 | 0.00 | -5.650 | 0.000000 |
| Khaprale 132kV | 11/01/2020 22:30:00 | 91 | 21975.0 | 3037.5 | 0.0 | -3037.5 | 13.82 | 0.00 | 4.979 | 1464.550720 |
| Khaprale 132kV | 11/01/2020 22:45:00 | 92 | 21975.0 | 2932.5 | 0.0 | -2932.5 | 13.34 | 0.00 | 2.964 | 1841.559755 |
| Khaprale 132kV | 11/01/2020 23:00:00 | 93 | 21975.0 | 2977.5 | 0.0 | -2977.5 | 13.55 | 0.00 | 1.577 | 465.584948 |
| Khaprale 132kV | 11/01/2020 23:15:00 | 94 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | 1.074 | 397.448310 |
| Khaprale 132kV | 11/01/2020 23:30:00 | 95 | 21975.0 | 2982.5 | 0.0 | -2982.5 | 13.57 | 0.00 | 2.113 | 1719.376683 |
| Khaprale 132kV | 11/01/2020 23:45:00 | 96 | 21975.0 | 3015.0 | 0.0 | -3015.0 | 13.72 | 0.00 | 2.162 | 2240.761176 |
| Khaprale 132kV | 12/01/2020 00:00:00 | 1 | 21975.0 | 3830.0 | 0.0 | -3830.0 | 17.43 | 266.88 | 3.022 | 2355.709785 |
| Khaprale 132kV | 12/01/2020 00:15:00 | 2 | 21975.0 | 3905.0 | 0.0 | -3905.0 | 17.77 | 304.38 | -2.152 | 0.000000 |
| Khaprale 132kV | 12/01/2020 00:30:00 | 3 | 21975.0 | 4135.0 | 0.0 | -4135.0 | 18.82 | 419.38 | -2.152 | 0.000000 |
| Khaprale 132kV | 12/01/2020 00:45:00 | 4 | 21975.0 | 4212.5 | 0.0 | -4212.5 | 19.17 | 458.13 | -3.022 | 0.000000 |
| Khaprale 132kV | 12/01/2020 01:00:00 | 5 | 21975.0 | 4330.0 | 0.0 | -4330.0 | 19.7 | 516.88 | -0.629 | 0.000000 |
| Khaprale 132kV | 12/01/2020 01:15:00 | 6 | 21975.0 | 4562.5 | 0.0 | -4562.5 | 20.76 | 633.13 | -3.317 | 0.000000 |
| Khaprale 132kV | 12/01/2020 01:30:00 | 7 | 21975.0 | 4662.5 | 0.0 | -4662.5 | 21.22 | 683.13 | -3.354 | 0.000000 |
| Khaprale 132kV | 12/01/2020 01:45:00 | 8 | 21975.0 | 4662.5 | 0.0 | -4662.5 | 21.22 | 683.13 | -3.022 | 0.000000 |
| Khaprale 132kV | 12/01/2020 02:00:00 | 9 | 21975.0 | 4905.0 | 0.0 | -4905.0 | 22.32 | 804.38 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khaprale 132kV | 12/01/2020 02:15:00 | 10 | 21975.0 | 4380.0 | 0.0 | -4380.0 | 19.93 | 541.88 | -3.022 | 0.000000 |
| Khaprale 132kV | 12/01/2020 02:30:00 | 11 | 21975.0 | 3830.0 | 0.0 | -3830.0 | 17.43 | 266.88 | -2.690 | 0.000000 |
| Khaprale 132kV | 12/01/2020 02:45:00 | 12 | 21975.0 | 3810.0 | 0.0 | -3810.0 | 17.34 | 256.88 | -3.022 | 0.000000 |
| Khaprale 132kV | 12/01/2020 03:00:00 | 13 | 21975.0 | 3830.0 | 0.0 | -3830.0 | 17.43 | 266.88 | 3.354 | 1813.455361 |
| Khaprale 132kV | 12/01/2020 03:15:00 | 14 | 21975.0 | 3662.5 | 0.0 | -3662.5 | 16.67 | 183.13 | 3.022 | 2126.685557 |
| Khaprale 132kV | 12/01/2020 03:30:00 | 15 | 21975.0 | 3630.0 | 0.0 | -3630.0 | 16.52 | 166.88 | 3.354 | 781.791687 |
| Khaprale 132kV | 12/01/2020 03:45:00 | 16 | 21975.0 | 3580.0 | 0.0 | -3580.0 | 16.29 | 141.88 | 2.152 | 0.000000 |
| Khaprale 132kV | 12/01/2020 04:00:00 | 17 | 21975.0 | 3562.5 | 0.0 | -3562.5 | 16.21 | 133.13 | -2.152 | 0.000000 |
| Khaprale 132kV | 12/01/2020 04:15:00 | 18 | 21975.0 | 3552.5 | 0.0 | -3552.5 | 16.17 | 128.13 | -3.022 | 0.000000 |
| Khaprale 132kV | 12/01/2020 04:30:00 | 19 | 21975.0 | 3580.0 | 0.0 | -3580.0 | 16.29 | 141.88 | 1.076 | 0.000000 |
| Khaprale 132kV | 12/01/2020 04:45:00 | 20 | 21975.0 | 3405.0 | 0.0 | -3405.0 | 15.49 | 54.38 | -3.022 | 0.000000 |
| Khaprale 132kV | 12/01/2020 05:00:00 | 21 | 21975.0 | 3312.5 | 0.0 | -3312.5 | 15.07 | 8.13 | 3.686 | 0.000000 |
| Khaprale 132kV | 12/01/2020 05:15:00 | 22 | 21975.0 | 3302.5 | 0.0 | -3302.5 | 15.03 | 3.13 | 3.686 | 3643.551042 |
| Khaprale 132kV | 12/01/2020 05:30:00 | 23 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -1.614 | 0.000000 |
| Khaprale 132kV | 12/01/2020 05:45:00 | 24 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | -0.496 | 0.000000 |
| Khaprale 132kV | 12/01/2020 06:00:00 | 25 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 0.000 | 0.000000 |
| Khaprale 132kV | 12/01/2020 06:15:00 | 26 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -0.430 | 0.000000 |
| Khaprale 132kV | 12/01/2020 06:30:00 | 27 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -2.152 | 0.000000 |
| Khaprale 132kV | 12/01/2020 06:45:00 | 28 | 21975.0 | 3112.5 | 0.0 | -3112.5 | 14.16 | 0.00 | 4.681 | 0.000000 |
| Khaprale 132kV | 12/01/2020 07:00:00 | 29 | 21975.0 | 3087.5 | 0.0 | -3087.5 | 14.05 | 0.00 | 1.614 | 0.000000 |
| Khaprale 132kV | 12/01/2020 07:15:00 | 30 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | 3.838 | 2596.772045 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khaprale 132kV | 12/01/2020 07:30:00 | 31 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 3.022 | 0.000000 |
| Khaprale 132kV | 12/01/2020 07:45:00 | 32 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | 2.690 | 0.000000 |
| Khaprale 132kV | 12/01/2020 08:00:00 | 33 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -2.690 | 0.000000 |
| Khaprale 132kV | 12/01/2020 08:15:00 | 34 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -4.018 | 0.000000 |
| Khaprale 132kV | 12/01/2020 08:30:00 | 35 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -2.690 | 0.000000 |
| Khaprale 132kV | 12/01/2020 08:45:00 | 36 | 21975.0 | 3112.5 | 0.0 | -3112.5 | 14.16 | 0.00 | 3.022 | 0.000000 |
| Khaprale 132kV | 12/01/2020 09:00:00 | 37 | 21975.0 | 3087.5 | 0.0 | -3087.5 | 14.05 | 0.00 | -3.354 | 0.000000 |
| Khaprale 132kV | 12/01/2020 09:15:00 | 38 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | -4.350 | 0.000000 |
| Khaprale 132kV | 12/01/2020 09:30:00 | 39 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 2.152 | 0.000000 |
| Khaprale 132kV | 12/01/2020 09:45:00 | 40 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | -2.690 | 0.000000 |
| Khaprale 132kV | 12/01/2020 10:00:00 | 41 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | -3.354 | 0.000000 |
| Khaprale 132kV | 12/01/2020 10:15:00 | 42 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -3.686 | 0.000000 |
| Khaprale 132kV | 12/01/2020 10:30:00 | 43 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | -1.614 | 0.000000 |
| Khaprale 132kV | 12/01/2020 10:45:00 | 44 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 3.686 | 0.000000 |
| Khaprale 132kV | 12/01/2020 11:00:00 | 45 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | -3.354 | 0.000000 |
| Khaprale 132kV | 12/01/2020 11:15:00 | 46 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -5.450 | 0.000000 |
| Khaprale 132kV | 12/01/2020 11:30:00 | 47 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -6.009 | 0.000000 |
| Khaprale 132kV | 12/01/2020 11:45:00 | 48 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | 2.690 | 0.000000 |
| Khaprale 132kV | 12/01/2020 12:00:00 | 49 | 21975.0 | 3112.5 | 0.0 | -3112.5 | 14.16 | 0.00 | 3.686 | 0.000000 |
| Khaprale 132kV | 12/01/2020 12:15:00 | 50 | 21975.0 | 3087.5 | 0.0 | -3087.5 | 14.05 | 0.00 | -5.345 | 0.000000 |
| Khaprale 132kV | 12/01/2020 12:30:00 | 51 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khaprale 132kV | 12/01/2020 12:45:00 | 52 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -5.345 | 0.000000 |
| Khaprale 132kV | 12/01/2020 13:00:00 | 53 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | -3.999 | 0.000000 |
| Khaprale 132kV | 12/01/2020 13:15:00 | 54 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -4.350 | 0.000000 |
| Khaprale 132kV | 12/01/2020 13:30:00 | 55 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -1.076 | 0.000000 |
| Khaprale 132kV | 12/01/2020 13:45:00 | 56 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -2.690 | 0.000000 |
| Khaprale 132kV | 12/01/2020 14:00:00 | 57 | 21975.0 | 3112.5 | 0.0 | -3112.5 | 14.16 | 0.00 | -0.538 | 0.000000 |
| Khaprale 132kV | 12/01/2020 14:15:00 | 58 | 21975.0 | 3087.5 | 0.0 | -3087.5 | 14.05 | 0.00 | -2.152 | 0.000000 |
| Khaprale 132kV | 12/01/2020 14:30:00 | 59 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | -2.690 | 0.000000 |
| Khaprale 132kV | 12/01/2020 14:45:00 | 60 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -1.076 | 0.000000 |
| Khaprale 132kV | 12/01/2020 15:00:00 | 61 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | 0.000 | 0.000000 |
| Khaprale 132kV | 12/01/2020 15:15:00 | 62 | 21975.0 | 3137.5 | 0.0 | -3137.5 | 14.28 | 0.00 | -2.690 | 0.000000 |
| Khaprale 132kV | 12/01/2020 15:30:00 | 63 | 21975.0 | 3062.5 | 0.0 | -3062.5 | 13.94 | 0.00 | -3.022 | 0.000000 |
| Khaprale 132kV | 12/01/2020 15:45:00 | 64 | 21975.0 | 3015.0 | 0.0 | -3015.0 | 13.72 | 0.00 | -3.686 | 0.000000 |
| Khaprale 132kV | 12/01/2020 16:00:00 | 65 | 21975.0 | 3037.5 | 0.0 | -3037.5 | 13.82 | 0.00 | -3.737 | 0.000000 |
| Khaprale 132kV | 12/01/2020 16:15:00 | 66 | 21975.0 | 2940.0 | 0.0 | -2940.0 | 13.38 | 0.00 | -5.786 | 0.000000 |
| Khaprale 132kV | 12/01/2020 16:30:00 | 67 | 21975.0 | 2892.5 | 0.0 | -2892.5 | 13.16 | 0.00 | -4.350 | 0.000000 |
| Khaprale 132kV | 12/01/2020 16:45:00 | 68 | 21975.0 | 2962.5 | 0.0 | -2962.5 | 13.48 | 0.00 | -1.614 | 0.000000 |
| Khaprale 132kV | 12/01/2020 17:00:00 | 69 | 21975.0 | 3030.0 | 0.0 | -3030.0 | 13.79 | 0.00 | 0.000 | 0.000000 |
| Khaprale 132kV | 12/01/2020 17:15:00 | 70 | 21975.0 | 3087.5 | 0.0 | -3087.5 | 14.05 | 0.00 | 2.690 | 800.445957 |
| Khaprale 132kV | 12/01/2020 17:30:00 | 71 | 21975.0 | 3085.0 | 0.0 | -3085.0 | 14.04 | 0.00 | -3.022 | 0.000000 |
| Khaprale 132kV | 12/01/2020 17:45:00 | 72 | 21975.0 | 3052.5 | 0.0 | -3052.5 | 13.89 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khaprale 132kV | 12/01/2020 18:00:00 | 73 | 21975.0 | 2972.5 | 0.0 | -2972.5 | 13.53 | 0.00 | -0.538 | 0.000000 |
| Khaprale 132kV | 12/01/2020 18:15:00 | 74 | 21975.0 | 3105.0 | 0.0 | -3105.0 | 14.13 | 0.00 | -4.350 | 0.000000 |
| Khaprale 132kV | 12/01/2020 18:30:00 | 75 | 21975.0 | 2930.0 | 0.0 | -2930.0 | 13.33 | 0.00 | 2.690 | 503.857893 |
| Khaprale 132kV | 12/01/2020 18:45:00 | 76 | 21975.0 | 3025.0 | 0.0 | -3025.0 | 13.77 | 0.00 | 3.022 | 3351.295359 |
| Khaprale 132kV | 12/01/2020 19:00:00 | 77 | 21975.0 | 3042.5 | 0.0 | -3042.5 | 13.85 | 0.00 | 3.686 | 1082.694958 |
| Khaprale 132kV | 12/01/2020 19:15:00 | 78 | 21975.0 | 3002.5 | 0.0 | -3002.5 | 13.66 | 0.00 | 2.690 | 63.421976 |
| Khaprale 132kV | 12/01/2020 19:30:00 | 79 | 21975.0 | 2937.5 | 0.0 | -2937.5 | 13.37 | 0.00 | -3.022 | 0.000000 |
| Khaprale 132kV | 12/01/2020 19:45:00 | 80 | 21975.0 | 2905.0 | 0.0 | -2905.0 | 13.22 | 0.00 | -1.781 | 0.000000 |
| Khaprale 132kV | 12/01/2020 20:00:00 | 81 | 21975.0 | 2950.0 | 0.0 | -2950.0 | 13.42 | 0.00 | -3.021 | 0.000000 |
| Khaprale 132kV | 12/01/2020 20:15:00 | 82 | 21975.0 | 3092.5 | 0.0 | -3092.5 | 14.07 | 0.00 | -4.018 | 0.000000 |
| Khaprale 132kV | 12/01/2020 20:30:00 | 83 | 21975.0 | 2960.0 | 0.0 | -2960.0 | 13.47 | 0.00 | -3.354 | 0.000000 |
| Khaprale 132kV | 12/01/2020 20:45:00 | 84 | 21975.0 | 2965.0 | 0.0 | -2965.0 | 13.49 | 0.00 | -1.614 | 0.000000 |
| Khaprale 132kV | 12/01/2020 21:00:00 | 85 | 21975.0 | 2927.5 | 0.0 | -2927.5 | 13.32 | 0.00 | -4.350 | 0.000000 |
| Khaprale 132kV | 12/01/2020 21:15:00 | 86 | 21975.0 | 2932.5 | 0.0 | -2932.5 | 13.34 | 0.00 | -3.686 | 0.000000 |
| Khaprale 132kV | 12/01/2020 21:30:00 | 87 | 21975.0 | 2977.5 | 0.0 | -2977.5 | 13.55 | 0.00 | -1.614 | 0.000000 |
| Khaprale 132kV | 12/01/2020 21:45:00 | 88 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | 0.000 | 0.000000 |
| Khaprale 132kV | 12/01/2020 22:00:00 | 89 | 21975.0 | 2982.5 | 0.0 | -2982.5 | 13.57 | 0.00 | -3.354 | 0.000000 |
| Khaprale 132kV | 12/01/2020 22:15:00 | 90 | 21975.0 | 3015.0 | 0.0 | -3015.0 | 13.72 | 0.00 | 4.350 | 3681.166649 |
| Khaprale 132kV | 12/01/2020 22:30:00 | 91 | 21975.0 | 3037.5 | 0.0 | -3037.5 | 13.82 | 0.00 | 5.215 | 6994.258966 |
| Khaprale 132kV | 12/01/2020 22:45:00 | 92 | 21975.0 | 2932.5 | 0.0 | -2932.5 | 13.34 | 0.00 | 3.022 | 661.013891 |
| Khaprale 132kV | 12/01/2020 23:00:00 | 93 | 21975.0 | 2977.5 | 0.0 | -2977.5 | 13.55 | 0.00 | 3.022 | 1470.058989 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Khaprale 132kV | 12/01/2020 23:15:00 | 94 | 21975.0 | 3107.5 | 0.0 | -3107.5 | 14.14 | 0.00 | 2.152 | 1527.670699 |
| Khaprale 132kV | 12/01/2020 23:30:00 | 95 | 21975.0 | 2982.5 | 0.0 | -2982.5 | 13.57 | 0.00 | 2.152 | 843.746400 |
| Khaprale 132kV | 12/01/2020 23:45:00 | 96 | 21975.0 | 3015.0 | 0.0 | -3015.0 | 13.72 | 0.00 | 2.152 | 980.021584 |
| Kharda 132kV | 06/01/2020 00:00:00 | 1 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.903 | 0.000000 |
| Kharda 132kV | 06/01/2020 00:15:00 | 2 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Kharda 132kV | 06/01/2020 00:30:00 | 3 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Kharda 132kV | 06/01/2020 00:45:00 | 4 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.984 | 0.000000 |
| Kharda 132kV | 06/01/2020 01:00:00 | 5 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.541 | 0.000000 |
| Kharda 132kV | 06/01/2020 01:15:00 | 6 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |
| Kharda 132kV | 06/01/2020 01:30:00 | 7 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.541 | 0.000000 |
| Kharda 132kV | 06/01/2020 01:45:00 | 8 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.352 | 0.000000 |
| Kharda 132kV | 06/01/2020 02:00:00 | 9 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.747 | 0.000000 |
| Kharda 132kV | 06/01/2020 02:15:00 | 10 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.581 | 0.000000 |
| Kharda 132kV | 06/01/2020 02:30:00 | 11 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.323 | 0.000000 |
| Kharda 132kV | 06/01/2020 02:45:00 | 12 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Kharda 132kV | 06/01/2020 03:00:00 | 13 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Kharda 132kV | 06/01/2020 03:15:00 | 14 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.742 | 0.000000 |
| Kharda 132kV | 06/01/2020 03:30:00 | 15 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |
| Kharda 132kV | 06/01/2020 03:45:00 | 16 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.541 | 0.000000 |
| Kharda 132kV | 06/01/2020 04:00:00 | 17 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.496 | 0.000000 |
| Kharda 132kV | 06/01/2020 04:15:00 | 18 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kharda 132kV | 06/01/2020 04:30:00 | 19 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.859 | 0.000000 |
| Kharda 132kV | 06/01/2020 04:45:00 | 20 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.815 | 0.000000 |
| Kharda 132kV | 06/01/2020 05:00:00 | 21 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.859 | 0.000000 |
| Kharda 132kV | 06/01/2020 05:15:00 | 22 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.407 | 0.000000 |
| Kharda 132kV | 06/01/2020 05:30:00 | 23 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.496 | 0.000000 |
| Kharda 132kV | 06/01/2020 05:45:00 | 24 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.492 | 0.000000 |
| Kharda 132kV | 06/01/2020 06:00:00 | 25 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.452 | 0.000000 |
| Kharda 132kV | 06/01/2020 06:15:00 | 26 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -6.089 | 0.000000 |
| Kharda 132kV | 06/01/2020 06:30:00 | 27 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -7.044 | 0.000000 |
| Kharda 132kV | 06/01/2020 06:45:00 | 28 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.682 | 0.000000 |
| Kharda 132kV | 06/01/2020 07:00:00 | 29 | 2500.0 | 7.5 | 0.0 | -7.5 | 0.3 | 0.00 | -3.859 | 0.000000 |
| Kharda 132kV | 06/01/2020 07:15:00 | 30 | 2500.0 | 42.5 | 39.0 | -3.5 | 0.14 | 0.00 | 4.815 | 1.737820 |
| Kharda 132kV | 06/01/2020 07:30:00 | 31 | 2500.0 | 85.0 | 100.0 | 15.0 | 0.6 | 0.00 | 4.178 | 0.000000 |
| Kharda 132kV | 06/01/2020 07:45:00 | 32 | 2500.0 | 145.0 | 172.0 | 27.0 | 1.08 | 0.00 | -3.540 | -11.944186 |
| Kharda 132kV | 06/01/2020 08:00:00 | 33 | 2500.0 | 227.5 | 256.0 | 28.5 | 1.14 | 0.00 | -3.859 | -7.504742 |
| Kharda 132kV | 06/01/2020 08:15:00 | 34 | 2500.0 | 322.5 | 367.0 | 44.5 | 1.78 | 0.00 | -5.452 | -3.823454 |
| Kharda 132kV | 06/01/2020 08:30:00 | 35 | 2500.0 | 440.0 | 431.0 | -9.0 | 0.36 | 0.00 | 4.178 | 0.000000 |
| Kharda 132kV | 06/01/2020 08:45:00 | 36 | 2500.0 | 605.0 | 708.0 | 103.0 | 4.12 | 0.00 | -3.859 | -10.436379 |
| Kharda 132kV | 06/01/2020 09:00:00 | 37 | 2500.0 | 730.0 | 834.0 | 104.0 | 4.16 | 0.00 | -6.407 | -32.588153 |
| Kharda 132kV | 06/01/2020 09:15:00 | 38 | 2500.0 | 847.5 | 1022.0 | 174.5 | 6.98 | 0.00 | -8.000 | -27.744598 |
| Kharda 132kV | 06/01/2020 09:30:00 | 39 | 2500.0 | 1267.5 | 1178.0 | -89.5 | 3.58 | 0.00 | -5.770 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kharda 132kV | 06/01/2020 09:45:00 | 40 | 2500.0 | 1420.0 | 1317.0 | -103.0 | 4.12 | 0.00 | 3.222 | 0.000000 |
| Kharda 132kV | 06/01/2020 10:00:00 | 41 | 2500.0 | 1537.5 | 1433.0 | -104.5 | 4.18 | 0.00 | -2.903 | 0.000000 |
| Kharda 132kV | 06/01/2020 10:15:00 | 42 | 2500.0 | 1672.5 | 1535.0 | -137.5 | 5.5 | 0.00 | -3.222 | 0.000000 |
| Kharda 132kV | 06/01/2020 10:30:00 | 43 | 2500.0 | 1767.5 | 1640.0 | -127.5 | 5.1 | 0.00 | 4.815 | 0.000000 |
| Kharda 132kV | 06/01/2020 10:45:00 | 44 | 2500.0 | 1535.0 | 1720.0 | 185.0 | 7.4 | 0.00 | 4.496 | 0.000000 |
| Kharda 132kV | 06/01/2020 11:00:00 | 45 | 2500.0 | 1772.5 | 1799.0 | 26.5 | 1.06 | 0.00 | 16.000 | 0.000000 |
| Kharda 132kV | 06/01/2020 11:15:00 | 46 | 2500.0 | 1825.0 | 1906.0 | 81.0 | 3.24 | 0.00 | 5.133 | 0.000000 |
| Kharda 132kV | 06/01/2020 11:30:00 | 47 | 2500.0 | 1910.0 | 1889.0 | -21.0 | 0.84 | 0.00 | 1.182 | 0.000000 |
| Kharda 132kV | 06/01/2020 11:45:00 | 48 | 2500.0 | 1860.0 | 1948.0 | 88.0 | 3.52 | 0.00 | 6.308 | 0.000000 |
| Kharda 132kV | 06/01/2020 12:00:00 | 49 | 2500.0 | 1947.5 | 1198.0 | -749.5 | 29.98 | 249.50 | 6.598 | 0.000000 |
| Kharda 132kV | 06/01/2020 12:15:00 | 50 | 2500.0 | 1970.0 | 1494.0 | -476.0 | 19.04 | 50.50 | 5.431 | 0.000000 |
| Kharda 132kV | 06/01/2020 12:30:00 | 51 | 2500.0 | 1915.0 | 1963.0 | 48.0 | 1.92 | 0.00 | 3.540 | 0.000000 |
| Kharda 132kV | 06/01/2020 12:45:00 | 52 | 2500.0 | 1872.5 | 1528.0 | -344.5 | 13.78 | 0.00 | -2.903 | 0.000000 |
| Kharda 132kV | 06/01/2020 13:00:00 | 53 | 2500.0 | 1867.5 | 2031.0 | 163.5 | 6.54 | 0.00 | -1.161 | -5.409858 |
| Kharda 132kV | 06/01/2020 13:15:00 | 54 | 2500.0 | 1865.0 | 1806.0 | -59.0 | 2.36 | 0.00 | 3.859 | 0.000000 |
| Kharda 132kV | 06/01/2020 13:30:00 | 55 | 2500.0 | 1690.0 | 1063.0 | -627.0 | 25.08 | 127.00 | -6.407 | 0.000000 |
| Kharda 132kV | 06/01/2020 13:45:00 | 56 | 2500.0 | 1762.5 | 1689.0 | -73.5 | 2.94 | 0.00 | 5.452 | 0.000000 |
| Kharda 132kV | 06/01/2020 14:00:00 | 57 | 2500.0 | 1492.5 | 1321.0 | -171.5 | 6.86 | 0.00 | 5.452 | 0.000000 |
| Kharda 132kV | 06/01/2020 14:15:00 | 58 | 2500.0 | 1495.0 | 1361.0 | -134.0 | 5.36 | 0.00 | 16.000 | 0.000000 |
| Kharda 132kV | 06/01/2020 14:30:00 | 59 | 2500.0 | 1167.5 | 727.0 | -440.5 | 17.62 | 32.75 | 6.035 | 0.000000 |
| Kharda 132kV | 06/01/2020 14:45:00 | 60 | 2500.0 | 1317.5 | 704.0 | -613.5 | 24.54 | 119.25 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kharda 132kV | 06/01/2020 15:00:00 | 61 | 2500.0 | 1287.5 | 616.0 | -671.5 | 26.86 | 171.50 | 3.367 | 0.000000 |
| Kharda 132kV | 06/01/2020 15:15:00 | 62 | 2500.0 | 1015.0 | 1242.0 | 227.0 | 9.08 | 0.00 | 3.904 | 0.000000 |
| Kharda 132kV | 06/01/2020 15:30:00 | 63 | 2500.0 | 837.5 | 848.0 | 10.5 | 0.42 | 0.00 | 4.482 | 0.000000 |
| Kharda 132kV | 06/01/2020 15:45:00 | 64 | 2500.0 | 637.5 | 548.0 | -89.5 | 3.58 | 0.00 | 4.225 | 0.000000 |
| Kharda 132kV | 06/01/2020 16:00:00 | 65 | 2500.0 | 562.5 | 594.0 | 31.5 | 1.26 | 0.00 | 2.895 | 0.000000 |
| Kharda 132kV | 06/01/2020 16:15:00 | 66 | 2500.0 | 492.5 | 512.0 | 19.5 | 0.78 | 0.00 | 6.089 | 0.000000 |
| Kharda 132kV | 06/01/2020 16:30:00 | 67 | 2500.0 | 340.0 | 370.0 | 30.0 | 1.2 | 0.00 | -8.000 | -31.815734 |
| Kharda 132kV | 06/01/2020 16:45:00 | 68 | 2500.0 | 215.0 | 228.0 | 13.0 | 0.52 | 0.00 | -4.178 | 0.000000 |
| Kharda 132kV | 06/01/2020 17:00:00 | 69 | 2500.0 | 152.5 | 209.0 | 56.5 | 2.26 | 0.00 | 1.742 | 0.000000 |
| Kharda 132kV | 06/01/2020 17:15:00 | 70 | 2500.0 | 107.5 | 124.0 | 16.5 | 0.66 | 0.00 | 2.903 | 0.000000 |
| Kharda 132kV | 06/01/2020 17:30:00 | 71 | 2500.0 | 45.0 | 76.0 | 31.0 | 1.24 | 0.00 | -4.178 | 0.000000 |
| Kharda 132kV | 06/01/2020 17:45:00 | 72 | 2500.0 | 7.5 | 30.0 | 22.5 | 0.9 | 0.00 | -2.323 | 0.000000 |
| Kharda 132kV | 06/01/2020 18:00:00 | 73 | 2500.0 | 0.0 | 1.0 | 1.0 | 0.04 | 0.00 | -2.903 | 0.000000 |
| Kharda 132kV | 06/01/2020 18:15:00 | 74 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.161 | 0.000000 |
| Kharda 132kV | 06/01/2020 18:30:00 | 75 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.903 | 0.000000 |
| Kharda 132kV | 06/01/2020 18:45:00 | 76 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.903 | 0.000000 |
| Kharda 132kV | 06/01/2020 19:00:00 | 77 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.161 | 0.000000 |
| Kharda 132kV | 06/01/2020 19:15:00 | 78 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.178 | 0.000000 |
| Kharda 132kV | 06/01/2020 19:30:00 | 79 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.323 | 0.000000 |
| Kharda 132kV | 06/01/2020 19:45:00 | 80 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.178 | 0.000000 |
| Kharda 132kV | 06/01/2020 20:00:00 | 81 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kharda 132kV | 06/01/2020 20:15:00 | 82 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.770 | 0.000000 |
| Kharda 132kV | 06/01/2020 20:30:00 | 83 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.770 | 0.000000 |
| Kharda 132kV | 06/01/2020 20:45:00 | 84 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.178 | 0.000000 |
| Kharda 132kV | 06/01/2020 21:00:00 | 85 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |
| Kharda 132kV | 06/01/2020 21:15:00 | 86 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.742 | 0.000000 |
| Kharda 132kV | 06/01/2020 21:30:00 | 87 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Kharda 132kV | 06/01/2020 21:45:00 | 88 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.161 | 0.000000 |
| Kharda 132kV | 06/01/2020 22:00:00 | 89 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.815 | 0.000000 |
| Kharda 132kV | 06/01/2020 22:15:00 | 90 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.859 | 0.000000 |
| Kharda 132kV | 06/01/2020 22:30:00 | 91 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.742 | 0.000000 |
| Kharda 132kV | 06/01/2020 22:45:00 | 92 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.323 | 0.000000 |
| Kharda 132kV | 06/01/2020 23:00:00 | 93 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.903 | 0.000000 |
| Kharda 132kV | 06/01/2020 23:15:00 | 94 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Kharda 132kV | 06/01/2020 23:30:00 | 95 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.222 | 0.000000 |
| Kharda 132kV | 06/01/2020 23:45:00 | 96 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Kharda 132kV | 07/01/2020 00:00:00 | 1 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.549 | 0.000000 |
| Kharda 132kV | 07/01/2020 00:15:00 | 2 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.647 | 0.000000 |
| Kharda 132kV | 07/01/2020 00:30:00 | 3 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.073 | 0.000000 |
| Kharda 132kV | 07/01/2020 00:45:00 | 4 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.744 | 0.000000 |
| Kharda 132kV | 07/01/2020 01:00:00 | 5 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |
| Kharda 132kV | 07/01/2020 01:15:00 | 6 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kharda 132kV | 07/01/2020 01:30:00 | 7 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Kharda 132kV | 07/01/2020 01:45:00 | 8 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Kharda 132kV | 07/01/2020 02:00:00 | 9 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.073 | 0.000000 |
| Kharda 132kV | 07/01/2020 02:15:00 | 10 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.073 | 0.000000 |
| Kharda 132kV | 07/01/2020 02:30:00 | 11 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.401 | 0.000000 |
| Kharda 132kV | 07/01/2020 02:45:00 | 12 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.745 | 0.000000 |
| Kharda 132kV | 07/01/2020 03:00:00 | 13 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Kharda 132kV | 07/01/2020 03:15:00 | 14 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.196 | 0.000000 |
| Kharda 132kV | 07/01/2020 03:30:00 | 15 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Kharda 132kV | 07/01/2020 03:45:00 | 16 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.098 | 0.000000 |
| Kharda 132kV | 07/01/2020 04:00:00 | 17 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Kharda 132kV | 07/01/2020 04:15:00 | 18 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.210 | 0.000000 |
| Kharda 132kV | 07/01/2020 04:30:00 | 19 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Kharda 132kV | 07/01/2020 04:45:00 | 20 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.098 | 0.000000 |
| Kharda 132kV | 07/01/2020 05:00:00 | 21 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.744 | 0.000000 |
| Kharda 132kV | 07/01/2020 05:15:00 | 22 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Kharda 132kV | 07/01/2020 05:30:00 | 23 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.073 | 0.000000 |
| Kharda 132kV | 07/01/2020 05:45:00 | 24 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Kharda 132kV | 07/01/2020 06:00:00 | 25 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.372 | 0.000000 |
| Kharda 132kV | 07/01/2020 06:15:00 | 26 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.556 | 0.000000 |
| Kharda 132kV | 07/01/2020 06:30:00 | 27 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.148 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kharda 132kV | 07/01/2020 06:45:00 | 28 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.821 | 0.000000 |
| Kharda 132kV | 07/01/2020 07:00:00 | 29 | 2500.0 | 7.5 | 0.0 | -7.5 | 0.3 | 0.00 | 5.372 | 19.930743 |
| Kharda 132kV | 07/01/2020 07:15:00 | 30 | 2500.0 | 35.0 | 19.0 | -16.0 | 0.64 | 0.00 | 16.000 | 0.000000 |
| Kharda 132kV | 07/01/2020 07:30:00 | 31 | 2500.0 | 80.0 | 49.0 | -31.0 | 1.24 | 0.00 | 9.296 | 0.000000 |
| Kharda 132kV | 07/01/2020 07:45:00 | 32 | 2500.0 | 135.0 | 94.0 | -41.0 | 1.64 | 0.00 | 9.794 | 0.000000 |
| Kharda 132kV | 07/01/2020 08:00:00 | 33 | 2500.0 | 202.5 | 262.0 | 59.5 | 2.38 | 0.00 | 3.593 | 0.000000 |
| Kharda 132kV | 07/01/2020 08:15:00 | 34 | 2500.0 | 270.0 | 273.0 | 3.0 | 0.12 | 0.00 | 3.401 | 0.000000 |
| Kharda 132kV | 07/01/2020 08:30:00 | 35 | 2500.0 | 372.5 | 413.0 | 40.5 | 1.62 | 0.00 | 3.245 | 0.000000 |
| Kharda 132kV | 07/01/2020 08:45:00 | 36 | 2500.0 | 510.0 | 558.0 | 48.0 | 1.92 | 0.00 | 0.000 | 0.000000 |
| Kharda 132kV | 07/01/2020 09:00:00 | 37 | 2500.0 | 602.5 | 598.0 | -4.5 | 0.18 | 0.00 | 2.745 | 0.000000 |
| Kharda 132kV | 07/01/2020 09:15:00 | 38 | 2500.0 | 722.5 | 789.0 | 66.5 | 2.66 | 0.00 | 4.715 | 0.000000 |
| Kharda 132kV | 07/01/2020 09:30:00 | 39 | 2500.0 | 802.5 | 846.0 | 43.5 | 1.74 | 0.00 | 3.981 | 0.000000 |
| Kharda 132kV | 07/01/2020 09:45:00 | 40 | 2500.0 | 995.0 | 1047.0 | 52.0 | 2.08 | 0.00 | 3.730 | 0.000000 |
| Kharda 132kV | 07/01/2020 10:00:00 | 41 | 2500.0 | 1117.5 | 976.0 | -141.5 | 5.66 | 0.00 | 1.780 | 0.000000 |
| Kharda 132kV | 07/01/2020 10:15:00 | 42 | 2500.0 | 1270.0 | 986.0 | -284.0 | 11.36 | 0.00 | 5.643 | 0.000000 |
| Kharda 132kV | 07/01/2020 10:30:00 | 43 | 2500.0 | 1312.5 | 1113.0 | -199.5 | 7.98 | 0.00 | 4.976 | 0.000000 |
| Kharda 132kV | 07/01/2020 10:45:00 | 44 | 2500.0 | 1400.0 | 852.0 | -548.0 | 21.92 | 86.50 | 4.415 | 0.000000 |
| Kharda 132kV | 07/01/2020 11:00:00 | 45 | 2500.0 | 1470.0 | 811.0 | -659.0 | 26.36 | 159.00 | 4.476 | 0.000000 |
| Kharda 132kV | 07/01/2020 11:15:00 | 46 | 2500.0 | 1502.5 | 1156.0 | -346.5 | 13.86 | 0.00 | 4.826 | 0.000000 |
| Kharda 132kV | 07/01/2020 11:30:00 | 47 | 2500.0 | 1517.5 | 1152.0 | -365.5 | 14.62 | 0.00 | 2.289 | 0.000000 |
| Kharda 132kV | 07/01/2020 11:45:00 | 48 | 2500.0 | 1485.0 | 1516.0 | 31.0 | 1.24 | 0.00 | -0.549 | -0.388997 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kharda 132kV | 07/01/2020 12:00:00 | 49 | 2500.0 | 1477.5 | 1606.0 | 128.5 | 5.14 | 0.00 | 4.727 | 0.000000 |
| Kharda 132kV | 07/01/2020 12:15:00 | 50 | 2500.0 | 1557.5 | 1177.0 | -380.5 | 15.22 | 2.75 | 4.777 | 0.000000 |
| Kharda 132kV | 07/01/2020 12:30:00 | 51 | 2500.0 | 1550.0 | 1608.0 | 58.0 | 2.32 | 0.00 | 4.798 | 0.000000 |
| Kharda 132kV | 07/01/2020 12:45:00 | 52 | 2500.0 | 1447.5 | 1439.0 | -8.5 | 0.34 | 0.00 | -3.401 | 0.000000 |
| Kharda 132kV | 07/01/2020 13:00:00 | 53 | 2500.0 | 1560.0 | 1591.0 | 31.0 | 1.24 | 0.00 | -2.431 | -13.877191 |
| Kharda 132kV | 07/01/2020 13:15:00 | 54 | 2500.0 | 1505.0 | 2000.0 | 495.0 | 19.8 | 60.00 | -4.387 | -100.736134 |
| Kharda 132kV | 07/01/2020 13:30:00 | 55 | 2500.0 | 1377.5 | 1894.0 | 516.5 | 20.66 | 70.75 | -3.401 | -152.695696 |
| Kharda 132kV | 07/01/2020 13:45:00 | 56 | 2500.0 | 1427.5 | 1876.0 | 448.5 | 17.94 | 36.75 | -5.044 | -18.676896 |
| Kharda 132kV | 07/01/2020 14:00:00 | 57 | 2500.0 | 1315.0 | 1346.0 | 31.0 | 1.24 | 0.00 | 4.215 | 0.000000 |
| Kharda 132kV | 07/01/2020 14:15:00 | 58 | 2500.0 | 1175.0 | 1040.0 | -135.0 | 5.4 | 0.00 | 9.552 | 0.000000 |
| Kharda 132kV | 07/01/2020 14:30:00 | 59 | 2500.0 | 1080.0 | 885.0 | -195.0 | 7.8 | 0.00 | 6.358 | 0.000000 |
| Kharda 132kV | 07/01/2020 14:45:00 | 60 | 2500.0 | 1082.5 | 1006.0 | -76.5 | 3.06 | 0.00 | 2.744 | 0.000000 |
| Kharda 132kV | 07/01/2020 15:00:00 | 61 | 2500.0 | 992.5 | 989.0 | -3.5 | 0.14 | 0.00 | -3.073 | 0.000000 |
| Kharda 132kV | 07/01/2020 15:15:00 | 62 | 2500.0 | 912.5 | 960.0 | 47.5 | 1.9 | 0.00 | -4.058 | -8.610589 |
| Kharda 132kV | 07/01/2020 15:30:00 | 63 | 2500.0 | 762.5 | 1178.0 | 415.5 | 16.62 | 20.25 | -4.831 | -285.136187 |
| Kharda 132kV | 07/01/2020 15:45:00 | 64 | 2500.0 | 620.0 | 802.0 | 182.0 | 7.28 | 0.00 | -5.372 | -21.239671 |
| Kharda 132kV | 07/01/2020 16:00:00 | 65 | 2500.0 | 532.5 | 422.0 | -110.5 | 4.42 | 0.00 | 2.196 | 0.000000 |
| Kharda 132kV | 07/01/2020 16:15:00 | 66 | 2500.0 | 420.0 | 368.0 | -52.0 | 2.08 | 0.00 | -3.401 | 0.000000 |
| Kharda 132kV | 07/01/2020 16:30:00 | 67 | 2500.0 | 305.0 | 477.0 | 172.0 | 6.88 | 0.00 | 4.738 | 0.000000 |
| Kharda 132kV | 07/01/2020 16:45:00 | 68 | 2500.0 | 222.5 | 278.0 | 55.5 | 2.22 | 0.00 | 7.343 | 0.000000 |
| Kharda 132kV | 07/01/2020 17:00:00 | 69 | 2500.0 | 147.5 | 282.0 | 134.5 | 5.38 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kharda 132kV | 07/01/2020 17:15:00 | 70 | 2500.0 | 100.0 | 116.0 | 16.0 | 0.64 | 0.00 | 2.744 | 0.000000 |
| Kharda 132kV | 07/01/2020 17:30:00 | 71 | 2500.0 | 42.5 | 93.0 | 50.5 | 2.02 | 0.00 | 3.401 | 0.000000 |
| Kharda 132kV | 07/01/2020 17:45:00 | 72 | 2500.0 | 7.5 | 36.0 | 28.5 | 1.14 | 0.00 | -2.745 | 0.000000 |
| Kharda 132kV | 07/01/2020 18:00:00 | 73 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.073 | 0.000000 |
| Kharda 132kV | 07/01/2020 18:15:00 | 74 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.372 | 0.000000 |
| Kharda 132kV | 07/01/2020 18:30:00 | 75 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.401 | 0.000000 |
| Kharda 132kV | 07/01/2020 18:45:00 | 76 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Kharda 132kV | 07/01/2020 19:00:00 | 77 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.730 | 0.000000 |
| Kharda 132kV | 07/01/2020 19:15:00 | 78 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.715 | 0.000000 |
| Kharda 132kV | 07/01/2020 19:30:00 | 79 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |
| Kharda 132kV | 07/01/2020 19:45:00 | 80 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.210 | 0.000000 |
| Kharda 132kV | 07/01/2020 20:00:00 | 81 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.348 | 0.000000 |
| Kharda 132kV | 07/01/2020 20:15:00 | 82 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.387 | 0.000000 |
| Kharda 132kV | 07/01/2020 20:30:00 | 83 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.816 | 0.000000 |
| Kharda 132kV | 07/01/2020 20:45:00 | 84 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.401 | 0.000000 |
| Kharda 132kV | 07/01/2020 21:00:00 | 85 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |
| Kharda 132kV | 07/01/2020 21:15:00 | 86 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Kharda 132kV | 07/01/2020 21:30:00 | 87 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.196 | 0.000000 |
| Kharda 132kV | 07/01/2020 21:45:00 | 88 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.196 | 0.000000 |
| Kharda 132kV | 07/01/2020 22:00:00 | 89 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.257 | 0.000000 |
| Kharda 132kV | 07/01/2020 22:15:00 | 90 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kharda 132kV | 07/01/2020 22:30:00 | 91 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.098 | 0.000000 |
| Kharda 132kV | 07/01/2020 22:45:00 | 92 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.647 | 0.000000 |
| Kharda 132kV | 07/01/2020 23:00:00 | 93 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Kharda 132kV | 07/01/2020 23:15:00 | 94 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Kharda 132kV | 07/01/2020 23:30:00 | 95 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.196 | 0.000000 |
| Kharda 132kV | 07/01/2020 23:45:00 | 96 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.549 | 0.000000 |
| Kharda 132kV | 08/01/2020 00:00:00 | 1 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Kharda 132kV | 08/01/2020 00:15:00 | 2 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Kharda 132kV | 08/01/2020 00:30:00 | 3 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Kharda 132kV | 08/01/2020 00:45:00 | 4 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.424 | 0.000000 |
| Kharda 132kV | 08/01/2020 01:00:00 | 5 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.170 | 0.000000 |
| Kharda 132kV | 08/01/2020 01:15:00 | 6 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.761 | 0.000000 |
| Kharda 132kV | 08/01/2020 01:30:00 | 7 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.665 | 0.000000 |
| Kharda 132kV | 08/01/2020 01:45:00 | 8 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.665 | 0.000000 |
| Kharda 132kV | 08/01/2020 02:00:00 | 9 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Kharda 132kV | 08/01/2020 02:15:00 | 10 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.347 | 0.000000 |
| Kharda 132kV | 08/01/2020 02:30:00 | 11 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Kharda 132kV | 08/01/2020 02:45:00 | 12 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Kharda 132kV | 08/01/2020 03:00:00 | 13 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.428 | 0.000000 |
| Kharda 132kV | 08/01/2020 03:15:00 | 14 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Kharda 132kV | 08/01/2020 03:30:00 | 15 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kharda 132kV | 08/01/2020 03:45:00 | 16 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Kharda 132kV | 08/01/2020 04:00:00 | 17 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Kharda 132kV | 08/01/2020 04:15:00 | 18 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.665 | 0.000000 |
| Kharda 132kV | 08/01/2020 04:30:00 | 19 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Kharda 132kV | 08/01/2020 04:45:00 | 20 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Kharda 132kV | 08/01/2020 05:00:00 | 21 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Kharda 132kV | 08/01/2020 05:15:00 | 22 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Kharda 132kV | 08/01/2020 05:30:00 | 23 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.428 | 0.000000 |
| Kharda 132kV | 08/01/2020 05:45:00 | 24 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Kharda 132kV | 08/01/2020 06:00:00 | 25 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Kharda 132kV | 08/01/2020 06:15:00 | 26 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.220 | 0.000000 |
| Kharda 132kV | 08/01/2020 06:30:00 | 27 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.387 | 0.000000 |
| Kharda 132kV | 08/01/2020 06:45:00 | 28 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.734 | 0.000000 |
| Kharda 132kV | 08/01/2020 07:00:00 | 29 | 2500.0 | 15.0 | 1.0 | -14.0 | 0.56 | 0.00 | -4.407 | 0.000000 |
| Kharda 132kV | 08/01/2020 07:15:00 | 30 | 2500.0 | 42.5 | 24.0 | -18.5 | 0.74 | 0.00 | 5.061 | 32.607826 |
| Kharda 132kV | 08/01/2020 07:30:00 | 31 | 2500.0 | 80.0 | 34.0 | -46.0 | 1.84 | 0.00 | 5.714 | 77.579098 |
| Kharda 132kV | 08/01/2020 07:45:00 | 32 | 2500.0 | 127.5 | 75.0 | -52.5 | 2.1 | 0.00 | 5.061 | 34.809333 |
| Kharda 132kV | 08/01/2020 08:00:00 | 33 | 2500.0 | 212.5 | 81.0 | -131.5 | 5.26 | 0.00 | 2.775 | 0.000000 |
| Kharda 132kV | 08/01/2020 08:15:00 | 34 | 2500.0 | 290.0 | 110.0 | -180.0 | 7.2 | 0.00 | 2.775 | 0.000000 |
| Kharda 132kV | 08/01/2020 08:30:00 | 35 | 2500.0 | 400.0 | 253.0 | -147.0 | 5.88 | 0.00 | 5.387 | 0.000000 |
| Kharda 132kV | 08/01/2020 08:45:00 | 36 | 2500.0 | 537.5 | 252.0 | -285.5 | 11.42 | 0.00 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kharda 132kV | 08/01/2020 09:00:00 | 37 | 2500.0 | 635.0 | 398.0 | -237.0 | 9.48 | 0.00 | 7.673 | 0.000000 |
| Kharda 132kV | 08/01/2020 09:15:00 | 38 | 2500.0 | 752.5 | 580.0 | -172.5 | 6.9 | 0.00 | 7.673 | 0.000000 |
| Kharda 132kV | 08/01/2020 09:30:00 | 39 | 2500.0 | 827.5 | 544.0 | -283.5 | 11.34 | 0.00 | 3.101 | 0.000000 |
| Kharda 132kV | 08/01/2020 09:45:00 | 40 | 2500.0 | 995.0 | 374.0 | -621.0 | 24.84 | 123.00 | -3.101 | 0.000000 |
| Kharda 132kV | 08/01/2020 10:00:00 | 41 | 2500.0 | 992.5 | 267.0 | -725.5 | 29.02 | 225.50 | -3.101 | 0.000000 |
| Kharda 132kV | 08/01/2020 10:15:00 | 42 | 2500.0 | 722.5 | 428.0 | -294.5 | 11.78 | 0.00 | -3.101 | 0.000000 |
| Kharda 132kV | 08/01/2020 10:30:00 | 43 | 2500.0 | 732.5 | 590.0 | -142.5 | 5.7 | 0.00 | -1.665 | 0.000000 |
| Kharda 132kV | 08/01/2020 10:45:00 | 44 | 2500.0 | 742.5 | 695.0 | -47.5 | 1.9 | 0.00 | 0.000 | 0.000000 |
| Kharda 132kV | 08/01/2020 11:00:00 | 45 | 2500.0 | 1067.5 | 816.0 | -251.5 | 10.06 | 0.00 | -1.486 | 0.000000 |
| Kharda 132kV | 08/01/2020 11:15:00 | 46 | 2500.0 | 1160.0 | 895.0 | -265.0 | 10.6 | 0.00 | -1.305 | 0.000000 |
| Kharda 132kV | 08/01/2020 11:30:00 | 47 | 2500.0 | 1205.0 | 1039.0 | -166.0 | 6.64 | 0.00 | -2.425 | 0.000000 |
| Kharda 132kV | 08/01/2020 11:45:00 | 48 | 2500.0 | 1212.5 | 1109.0 | -103.5 | 4.14 | 0.00 | -2.775 | 0.000000 |
| Kharda 132kV | 08/01/2020 12:00:00 | 49 | 2500.0 | 1135.0 | 1338.0 | 203.0 | 8.12 | 0.00 | -2.083 | -130.248259 |
| Kharda 132kV | 08/01/2020 12:15:00 | 50 | 2500.0 | 1212.5 | 952.0 | -260.5 | 10.42 | 0.00 | -3.242 | 0.000000 |
| Kharda 132kV | 08/01/2020 12:30:00 | 51 | 2500.0 | 1282.5 | 1093.0 | -189.5 | 7.58 | 0.00 | -1.330 | 0.000000 |
| Kharda 132kV | 08/01/2020 12:45:00 | 52 | 2500.0 | 1180.0 | 1018.0 | -162.0 | 6.48 | 0.00 | -0.830 | 0.000000 |
| Kharda 132kV | 08/01/2020 13:00:00 | 53 | 2500.0 | 1322.5 | 1086.0 | -236.5 | 9.46 | 0.00 | 2.775 | 0.000000 |
| Kharda 132kV | 08/01/2020 13:15:00 | 54 | 2500.0 | 1260.0 | 632.0 | -628.0 | 25.12 | 128.00 | 0.000 | 0.000000 |
| Kharda 132kV | 08/01/2020 13:30:00 | 55 | 2500.0 | 1192.5 | 1362.0 | 169.5 | 6.78 | 0.00 | -1.012 | -14.800848 |
| Kharda 132kV | 08/01/2020 13:45:00 | 56 | 2500.0 | 1237.5 | 1753.0 | 515.5 | 20.62 | 70.25 | -1.087 | -51.983795 |
| Kharda 132kV | 08/01/2020 14:00:00 | 57 | 2500.0 | 1022.5 | 1793.0 | 770.5 | 30.82 | 270.50 | -3.101 | -225.699309 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kharda 132kV | 08/01/2020 14:15:00 | 58 | 2500.0 | 947.5 | 1450.0 | 502.5 | 20.1 | 63.75 | -4.081 | -106.394174 |
| Kharda 132kV | 08/01/2020 14:30:00 | 59 | 2500.0 | 910.0 | 1565.0 | 655.0 | 26.2 | 155.00 | -2.996 | -264.992694 |
| Kharda 132kV | 08/01/2020 14:45:00 | 60 | 2500.0 | 902.5 | 900.0 | -2.5 | 0.1 | 0.00 | -3.101 | 0.000000 |
| Kharda 132kV | 08/01/2020 15:00:00 | 61 | 2500.0 | 887.5 | 1063.0 | 175.5 | 7.02 | 0.00 | -1.879 | -44.088514 |
| Kharda 132kV | 08/01/2020 15:15:00 | 62 | 2500.0 | 820.0 | 1226.0 | 406.0 | 16.24 | 15.50 | -4.081 | -14.281650 |
| Kharda 132kV | 08/01/2020 15:30:00 | 63 | 2500.0 | 727.5 | 857.0 | 129.5 | 5.18 | 0.00 | 4.938 | 0.000000 |
| Kharda 132kV | 08/01/2020 15:45:00 | 64 | 2500.0 | 520.0 | 582.0 | 62.0 | 2.48 | 0.00 | 4.719 | 0.000000 |
| Kharda 132kV | 08/01/2020 16:00:00 | 65 | 2500.0 | 435.0 | 627.0 | 192.0 | 7.68 | 0.00 | 0.555 | 0.000000 |
| Kharda 132kV | 08/01/2020 16:15:00 | 66 | 2500.0 | 380.0 | 432.0 | 52.0 | 2.08 | 0.00 | -4.081 | -24.273165 |
| Kharda 132kV | 08/01/2020 16:30:00 | 67 | 2500.0 | 310.0 | 227.0 | -83.0 | 3.32 | 0.00 | -3.754 | 0.000000 |
| Kharda 132kV | 08/01/2020 16:45:00 | 68 | 2500.0 | 232.5 | 254.0 | 21.5 | 0.86 | 0.00 | -8.000 | 0.000000 |
| Kharda 132kV | 08/01/2020 17:00:00 | 69 | 2500.0 | 172.5 | 141.0 | -31.5 | 1.26 | 0.00 | 0.000 | 0.000000 |
| Kharda 132kV | 08/01/2020 17:15:00 | 70 | 2500.0 | 115.0 | 153.0 | 38.0 | 1.52 | 0.00 | 4.081 | 0.000000 |
| Kharda 132kV | 08/01/2020 17:30:00 | 71 | 2500.0 | 50.0 | 78.0 | 28.0 | 1.12 | 0.00 | -5.387 | 0.000000 |
| Kharda 132kV | 08/01/2020 17:45:00 | 72 | 2500.0 | 12.5 | 27.0 | 14.5 | 0.58 | 0.00 | -3.101 | 0.000000 |
| Kharda 132kV | 08/01/2020 18:00:00 | 73 | 2500.0 | 7.5 | 0.0 | -7.5 | 0.3 | 0.00 | -2.775 | 0.000000 |
| Kharda 132kV | 08/01/2020 18:15:00 | 74 | 2500.0 | 7.5 | 0.0 | -7.5 | 0.3 | 0.00 | -3.101 | 0.000000 |
| Kharda 132kV | 08/01/2020 18:30:00 | 75 | 2500.0 | 2.5 | 0.0 | -2.5 | 0.1 | 0.00 | -2.220 | 0.000000 |
| Kharda 132kV | 08/01/2020 18:45:00 | 76 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.220 | 0.000000 |
| Kharda 132kV | 08/01/2020 19:00:00 | 77 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Kharda 132kV | 08/01/2020 19:15:00 | 78 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kharda 132kV | 08/01/2020 19:30:00 | 79 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Kharda 132kV | 08/01/2020 19:45:00 | 80 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.555 | 0.000000 |
| Kharda 132kV | 08/01/2020 20:00:00 | 81 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Kharda 132kV | 08/01/2020 20:15:00 | 82 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.101 | 0.000000 |
| Kharda 132kV | 08/01/2020 20:30:00 | 83 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.408 | 0.000000 |
| Kharda 132kV | 08/01/2020 20:45:00 | 84 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.101 | 0.000000 |
| Kharda 132kV | 08/01/2020 21:00:00 | 85 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.101 | 0.000000 |
| Kharda 132kV | 08/01/2020 21:15:00 | 86 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.555 | 0.000000 |
| Kharda 132kV | 08/01/2020 21:30:00 | 87 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Kharda 132kV | 08/01/2020 21:45:00 | 88 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Kharda 132kV | 08/01/2020 22:00:00 | 89 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.489 | 0.000000 |
| Kharda 132kV | 08/01/2020 22:15:00 | 90 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Kharda 132kV | 08/01/2020 22:30:00 | 91 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.223 | 0.000000 |
| Kharda 132kV | 08/01/2020 22:45:00 | 92 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Kharda 132kV | 08/01/2020 23:00:00 | 93 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Kharda 132kV | 08/01/2020 23:15:00 | 94 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Kharda 132kV | 08/01/2020 23:30:00 | 95 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Kharda 132kV | 08/01/2020 23:45:00 | 96 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Kharda 132kV | 09/01/2020 00:00:00 | 1 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Kharda 132kV | 09/01/2020 00:15:00 | 2 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Kharda 132kV | 09/01/2020 00:30:00 | 3 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kharda 132kV | 09/01/2020 00:45:00 | 4 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Kharda 132kV | 09/01/2020 01:00:00 | 5 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.519 | 0.000000 |
| Kharda 132kV | 09/01/2020 01:15:00 | 6 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.519 | 0.000000 |
| Kharda 132kV | 09/01/2020 01:30:00 | 7 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.199 | 0.000000 |
| Kharda 132kV | 09/01/2020 01:45:00 | 8 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.519 | 0.000000 |
| Kharda 132kV | 09/01/2020 02:00:00 | 9 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.519 | 0.000000 |
| Kharda 132kV | 09/01/2020 02:15:00 | 10 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.879 | 0.000000 |
| Kharda 132kV | 09/01/2020 02:30:00 | 11 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.199 | 0.000000 |
| Kharda 132kV | 09/01/2020 02:45:00 | 12 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |
| Kharda 132kV | 09/01/2020 03:00:00 | 13 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Kharda 132kV | 09/01/2020 03:15:00 | 14 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.839 | 0.000000 |
| Kharda 132kV | 09/01/2020 03:30:00 | 15 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.199 | 0.000000 |
| Kharda 132kV | 09/01/2020 03:45:00 | 16 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Kharda 132kV | 09/01/2020 04:00:00 | 17 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Kharda 132kV | 09/01/2020 04:15:00 | 18 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Kharda 132kV | 09/01/2020 04:30:00 | 19 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Kharda 132kV | 09/01/2020 04:45:00 | 20 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.879 | 0.000000 |
| Kharda 132kV | 09/01/2020 05:00:00 | 21 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.839 | 0.000000 |
| Kharda 132kV | 09/01/2020 05:15:00 | 22 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.119 | 0.000000 |
| Kharda 132kV | 09/01/2020 05:30:00 | 23 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.064 | 0.000000 |
| Kharda 132kV | 09/01/2020 05:45:00 | 24 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kharda 132kV | 09/01/2020 06:00:00 | 25 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.303 | 0.000000 |
| Kharda 132kV | 09/01/2020 06:15:00 | 26 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.303 | 0.000000 |
| Kharda 132kV | 09/01/2020 06:30:00 | 27 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.839 | 0.000000 |
| Kharda 132kV | 09/01/2020 06:45:00 | 28 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Kharda 132kV | 09/01/2020 07:00:00 | 29 | 2500.0 | 2.5 | 0.0 | -2.5 | 0.1 | 0.00 | -2.879 | 0.000000 |
| Kharda 132kV | 09/01/2020 07:15:00 | 30 | 2500.0 | 42.5 | 28.0 | -14.5 | 0.58 | 0.00 | 6.400 | 7.213826 |
| Kharda 132kV | 09/01/2020 07:30:00 | 31 | 2500.0 | 80.0 | 84.0 | 4.0 | 0.16 | 0.00 | 1.172 | 0.000000 |
| Kharda 132kV | 09/01/2020 07:45:00 | 32 | 2500.0 | 152.5 | 160.0 | 7.5 | 0.3 | 0.00 | 0.576 | 0.000000 |
| Kharda 132kV | 09/01/2020 08:00:00 | 33 | 2500.0 | 220.0 | 261.0 | 41.0 | 1.64 | 0.00 | -0.576 | -2.241089 |
| Kharda 132kV | 09/01/2020 08:15:00 | 34 | 2500.0 | 297.5 | 304.0 | 6.5 | 0.26 | 0.00 | -1.152 | -0.673197 |
| Kharda 132kV | 09/01/2020 08:30:00 | 35 | 2500.0 | 395.0 | 512.0 | 117.0 | 4.68 | 0.00 | 0.576 | 0.000000 |
| Kharda 132kV | 09/01/2020 08:45:00 | 36 | 2500.0 | 572.5 | 660.0 | 87.5 | 3.5 | 0.00 | 0.000 | 0.000000 |
| Kharda 132kV | 09/01/2020 09:00:00 | 37 | 2500.0 | 720.0 | 855.0 | 135.0 | 5.4 | 0.00 | 1.152 | 0.000000 |
| Kharda 132kV | 09/01/2020 09:15:00 | 38 | 2500.0 | 870.0 | 1047.0 | 177.0 | 7.08 | 0.00 | 1.727 | 0.000000 |
| Kharda 132kV | 09/01/2020 09:30:00 | 39 | 2500.0 | 960.0 | 1216.0 | 256.0 | 10.24 | 0.00 | -3.839 | -11.031729 |
| Kharda 132kV | 09/01/2020 09:45:00 | 40 | 2500.0 | 1102.5 | 1368.0 | 265.5 | 10.62 | 0.00 | -1.152 | -2.180281 |
| Kharda 132kV | 09/01/2020 10:00:00 | 41 | 2500.0 | 1157.5 | 1496.0 | 338.5 | 13.54 | 0.00 | 0.000 | 0.000000 |
| Kharda 132kV | 09/01/2020 10:15:00 | 42 | 2500.0 | 1370.0 | 1608.0 | 238.0 | 9.52 | 0.00 | 1.727 | 0.000000 |
| Kharda 132kV | 09/01/2020 10:30:00 | 43 | 2500.0 | 1440.0 | 1697.0 | 257.0 | 10.28 | 0.00 | 2.303 | 0.000000 |
| Kharda 132kV | 09/01/2020 10:45:00 | 44 | 2500.0 | 1532.5 | 1763.0 | 230.5 | 9.22 | 0.00 | -1.144 | -21.615244 |
| Kharda 132kV | 09/01/2020 11:00:00 | 45 | 2500.0 | 1505.0 | 1796.0 | 291.0 | 11.64 | 0.00 | -4.479 | -84.635628 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kharda 132kV | 09/01/2020 11:15:00 | 46 | 2500.0 | 1710.0 | 1925.0 | 215.0 | 8.6 | 0.00 | -3.519 | -39.373511 |
| Kharda 132kV | 09/01/2020 11:30:00 | 47 | 2500.0 | 1532.5 | 1939.0 | 406.5 | 16.26 | 15.75 | -2.303 | -52.680134 |
| Kharda 132kV | 09/01/2020 11:45:00 | 48 | 2500.0 | 1795.0 | 2003.0 | 208.0 | 8.32 | 0.00 | -0.576 | -2.992864 |
| Kharda 132kV | 09/01/2020 12:00:00 | 49 | 2500.0 | 1652.5 | 1637.0 | -15.5 | 0.62 | 0.00 | 0.000 | 0.000000 |
| Kharda 132kV | 09/01/2020 12:15:00 | 50 | 2500.0 | 1642.5 | 1859.0 | 216.5 | 8.66 | 0.00 | 3.839 | 0.000000 |
| Kharda 132kV | 09/01/2020 12:30:00 | 51 | 2500.0 | 1757.5 | 1424.0 | -333.5 | 13.34 | 0.00 | 3.199 | 0.000000 |
| Kharda 132kV | 09/01/2020 12:45:00 | 52 | 2500.0 | 1695.0 | 1234.0 | -461.0 | 18.44 | 43.00 | 3.199 | 0.000000 |
| Kharda 132kV | 09/01/2020 13:00:00 | 53 | 2500.0 | 1725.0 | 1149.0 | -576.0 | 23.04 | 100.50 | -1.152 | 0.000000 |
| Kharda 132kV | 09/01/2020 13:15:00 | 54 | 2500.0 | 1670.0 | 1154.0 | -516.0 | 20.64 | 70.50 | -1.152 | 0.000000 |
| Kharda 132kV | 09/01/2020 13:30:00 | 55 | 2500.0 | 1790.0 | 1955.0 | 165.0 | 6.6 | 0.00 | 1.727 | 0.000000 |
| Kharda 132kV | 09/01/2020 13:45:00 | 56 | 2500.0 | 1880.0 | 1412.0 | -468.0 | 18.72 | 46.50 | 3.199 | 0.000000 |
| Kharda 132kV | 09/01/2020 14:00:00 | 57 | 2500.0 | 1620.0 | 1032.0 | -588.0 | 23.52 | 106.50 | 4.345 | 0.000000 |
| Kharda 132kV | 09/01/2020 14:15:00 | 58 | 2500.0 | 1460.0 | 623.0 | -837.0 | 33.48 | 337.00 | 3.941 | 0.000000 |
| Kharda 132kV | 09/01/2020 14:30:00 | 59 | 2500.0 | 1262.5 | 1223.0 | -39.5 | 1.58 | 0.00 | 1.152 | 0.000000 |
| Kharda 132kV | 09/01/2020 14:45:00 | 60 | 2500.0 | 1105.0 | 1720.0 | 615.0 | 24.6 | 120.00 | -0.576 | -5.889997 |
| Kharda 132kV | 09/01/2020 15:00:00 | 61 | 2500.0 | 1242.5 | 1644.0 | 401.5 | 16.06 | 13.25 | -1.006 | -58.972337 |
| Kharda 132kV | 09/01/2020 15:15:00 | 62 | 2500.0 | 955.0 | 1365.0 | 410.0 | 16.4 | 17.50 | 3.199 | 0.000000 |
| Kharda 132kV | 09/01/2020 15:30:00 | 63 | 2500.0 | 745.0 | 1203.0 | 458.0 | 18.32 | 41.50 | 2.879 | 0.000000 |
| Kharda 132kV | 09/01/2020 15:45:00 | 64 | 2500.0 | 535.0 | 738.0 | 203.0 | 8.12 | 0.00 | 3.839 | 0.000000 |
| Kharda 132kV | 09/01/2020 16:00:00 | 65 | 2500.0 | 505.0 | 709.0 | 204.0 | 8.16 | 0.00 | 1.727 | 0.000000 |
| Kharda 132kV | 09/01/2020 16:15:00 | 66 | 2500.0 | 392.5 | 725.0 | 332.5 | 13.3 | 0.00 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kharda 132kV | 09/01/2020 16:30:00 | 67 | 2500.0 | 295.0 | 498.0 | 203.0 | 8.12 | 0.00 | -4.159 | 0.000000 |
| Kharda 132kV | 09/01/2020 16:45:00 | 68 | 2500.0 | 232.5 | 414.0 | 181.5 | 7.26 | 0.00 | 3.839 | 0.000000 |
| Kharda 132kV | 09/01/2020 17:00:00 | 69 | 2500.0 | 170.0 | 279.0 | 109.0 | 4.36 | 0.00 | 1.727 | 0.000000 |
| Kharda 132kV | 09/01/2020 17:15:00 | 70 | 2500.0 | 105.0 | 137.0 | 32.0 | 1.28 | 0.00 | 3.839 | 0.000000 |
| Kharda 132kV | 09/01/2020 17:30:00 | 71 | 2500.0 | 55.0 | 76.0 | 21.0 | 0.84 | 0.00 | -2.879 | 0.000000 |
| Kharda 132kV | 09/01/2020 17:45:00 | 72 | 2500.0 | 10.0 | 29.0 | 19.0 | 0.76 | 0.00 | -4.146 | 0.000000 |
| Kharda 132kV | 09/01/2020 18:00:00 | 73 | 2500.0 | 0.0 | 1.0 | 1.0 | 0.04 | 0.00 | -3.349 | 0.000000 |
| Kharda 132kV | 09/01/2020 18:15:00 | 74 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.563 | 0.000000 |
| Kharda 132kV | 09/01/2020 18:30:00 | 75 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.839 | 0.000000 |
| Kharda 132kV | 09/01/2020 18:45:00 | 76 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Kharda 132kV | 09/01/2020 19:00:00 | 77 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.199 | 0.000000 |
| Kharda 132kV | 09/01/2020 19:15:00 | 78 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Kharda 132kV | 09/01/2020 19:30:00 | 79 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.442 | 0.000000 |
| Kharda 132kV | 09/01/2020 19:45:00 | 80 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.286 | 0.000000 |
| Kharda 132kV | 09/01/2020 20:00:00 | 81 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.070 | 0.000000 |
| Kharda 132kV | 09/01/2020 20:15:00 | 82 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.236 | 0.000000 |
| Kharda 132kV | 09/01/2020 20:30:00 | 83 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.799 | 0.000000 |
| Kharda 132kV | 09/01/2020 20:45:00 | 84 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Kharda 132kV | 09/01/2020 21:00:00 | 85 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Kharda 132kV | 09/01/2020 21:15:00 | 86 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |
| Kharda 132kV | 09/01/2020 21:30:00 | 87 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kharda 132kV | 09/01/2020 21:45:00 | 88 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.303 | 0.000000 |
| Kharda 132kV | 09/01/2020 22:00:00 | 89 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.795 | 0.000000 |
| Kharda 132kV | 09/01/2020 22:15:00 | 90 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.674 | 0.000000 |
| Kharda 132kV | 09/01/2020 22:30:00 | 91 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.303 | 0.000000 |
| Kharda 132kV | 09/01/2020 22:45:00 | 92 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.152 | 0.000000 |
| Kharda 132kV | 09/01/2020 23:00:00 | 93 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Kharda 132kV | 09/01/2020 23:15:00 | 94 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Kharda 132kV | 09/01/2020 23:30:00 | 95 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Kharda 132kV | 09/01/2020 23:45:00 | 96 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.987 | 0.000000 |
| Kharda 132kV | 10/01/2020 00:00:00 | 1 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.680 | 0.000000 |
| Kharda 132kV | 10/01/2020 00:15:00 | 2 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.326 | 0.000000 |
| Kharda 132kV | 10/01/2020 00:30:00 | 3 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.992 | 0.000000 |
| Kharda 132kV | 10/01/2020 00:45:00 | 4 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.532 | 0.000000 |
| Kharda 132kV | 10/01/2020 01:00:00 | 5 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.713 | 0.000000 |
| Kharda 132kV | 10/01/2020 01:15:00 | 6 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.548 | 0.000000 |
| Kharda 132kV | 10/01/2020 01:30:00 | 7 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Kharda 132kV | 10/01/2020 01:45:00 | 8 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Kharda 132kV | 10/01/2020 02:00:00 | 9 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.342 | 0.000000 |
| Kharda 132kV | 10/01/2020 02:15:00 | 10 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.595 | 0.000000 |
| Kharda 132kV | 10/01/2020 02:30:00 | 11 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.326 | 0.000000 |
| Kharda 132kV | 10/01/2020 02:45:00 | 12 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kharda 132kV | 10/01/2020 03:00:00 | 13 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.658 | 0.000000 |
| Kharda 132kV | 10/01/2020 03:15:00 | 14 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Kharda 132kV | 10/01/2020 03:30:00 | 15 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Kharda 132kV | 10/01/2020 03:45:00 | 16 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.063 | 0.000000 |
| Kharda 132kV | 10/01/2020 04:00:00 | 17 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.595 | 0.000000 |
| Kharda 132kV | 10/01/2020 04:15:00 | 18 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.326 | 0.000000 |
| Kharda 132kV | 10/01/2020 04:30:00 | 19 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.326 | 0.000000 |
| Kharda 132kV | 10/01/2020 04:45:00 | 20 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Kharda 132kV | 10/01/2020 05:00:00 | 21 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.992 | 0.000000 |
| Kharda 132kV | 10/01/2020 05:15:00 | 22 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.063 | 0.000000 |
| Kharda 132kV | 10/01/2020 05:30:00 | 23 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Kharda 132kV | 10/01/2020 05:45:00 | 24 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Kharda 132kV | 10/01/2020 06:00:00 | 25 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.127 | 0.000000 |
| Kharda 132kV | 10/01/2020 06:15:00 | 26 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.658 | 0.000000 |
| Kharda 132kV | 10/01/2020 06:30:00 | 27 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.992 | 0.000000 |
| Kharda 132kV | 10/01/2020 06:45:00 | 28 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.077 | 0.000000 |
| Kharda 132kV | 10/01/2020 07:00:00 | 29 | 2500.0 | 2.5 | 1.0 | -1.5 | 0.06 | 0.00 | -0.687 | 0.000000 |
| Kharda 132kV | 10/01/2020 07:15:00 | 30 | 2500.0 | 45.0 | 33.0 | -12.0 | 0.48 | 0.00 | -2.658 | 0.000000 |
| Kharda 132kV | 10/01/2020 07:30:00 | 31 | 2500.0 | 92.5 | 86.0 | -6.5 | 0.26 | 0.00 | -1.063 | 0.000000 |
| Kharda 132kV | 10/01/2020 07:45:00 | 32 | 2500.0 | 162.5 | 131.0 | -31.5 | 1.26 | 0.00 | -2.658 | 0.000000 |
| Kharda 132kV | 10/01/2020 08:00:00 | 33 | 2500.0 | 250.0 | 230.0 | -20.0 | 0.8 | 0.00 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kharda 132kV | 10/01/2020 08:15:00 | 34 | 2500.0 | 327.5 | 380.0 | 52.5 | 2.1 | 0.00 | -4.661 | -6.899830 |
| Kharda 132kV | 10/01/2020 08:30:00 | 35 | 2500.0 | 450.0 | 544.0 | 94.0 | 3.76 | 0.00 | 5.663 | 0.000000 |
| Kharda 132kV | 10/01/2020 08:45:00 | 36 | 2500.0 | 635.0 | 659.0 | 24.0 | 0.96 | 0.00 | 4.328 | 0.000000 |
| Kharda 132kV | 10/01/2020 09:00:00 | 37 | 2500.0 | 785.0 | 790.0 | 5.0 | 0.2 | 0.00 | -4.995 | -0.911859 |
| Kharda 132kV | 10/01/2020 09:15:00 | 38 | 2500.0 | 957.5 | 933.0 | -24.5 | 0.98 | 0.00 | -4.327 | 0.000000 |
| Kharda 132kV | 10/01/2020 09:30:00 | 39 | 2500.0 | 1070.0 | 1116.0 | 46.0 | 1.84 | 0.00 | -2.127 | -9.032030 |
| Kharda 132kV | 10/01/2020 09:45:00 | 40 | 2500.0 | 1247.5 | 1260.0 | 12.5 | 0.5 | 0.00 | -1.152 | -2.343407 |
| Kharda 132kV | 10/01/2020 10:00:00 | 41 | 2500.0 | 1317.5 | 1404.0 | 86.5 | 3.46 | 0.00 | 0.000 | 0.000000 |
| Kharda 132kV | 10/01/2020 10:15:00 | 42 | 2500.0 | 1512.5 | 1534.0 | 21.5 | 0.86 | 0.00 | -0.532 | -0.661892 |
| Kharda 132kV | 10/01/2020 10:30:00 | 43 | 2500.0 | 1067.5 | 1620.0 | 552.5 | 22.1 | 88.75 | -1.063 | -33.004046 |
| Kharda 132kV | 10/01/2020 10:45:00 | 44 | 2500.0 | 1202.5 | 1700.0 | 497.5 | 19.9 | 61.25 | 0.000 | 0.000000 |
| Kharda 132kV | 10/01/2020 11:00:00 | 45 | 2500.0 | 1082.5 | 1764.0 | 681.5 | 27.26 | 181.50 | 2.658 | 0.000000 |
| Kharda 132kV | 10/01/2020 11:15:00 | 46 | 2500.0 | 1155.0 | 1811.0 | 656.0 | 26.24 | 156.00 | 0.000 | 0.000000 |
| Kharda 132kV | 10/01/2020 11:30:00 | 47 | 2500.0 | 1157.5 | 1791.0 | 633.5 | 25.34 | 133.50 | -1.595 | -17.251710 |
| Kharda 132kV | 10/01/2020 11:45:00 | 48 | 2500.0 | 1145.0 | 1617.0 | 472.0 | 18.88 | 48.50 | 2.992 | 0.000000 |
| Kharda 132kV | 10/01/2020 12:00:00 | 49 | 2500.0 | 1292.5 | 1897.0 | 604.5 | 24.18 | 114.75 | 0.000 | 0.000000 |
| Kharda 132kV | 10/01/2020 12:15:00 | 50 | 2500.0 | 1377.5 | 1860.0 | 482.5 | 19.3 | 53.75 | 2.127 | 0.000000 |
| Kharda 132kV | 10/01/2020 12:30:00 | 51 | 2500.0 | 1685.0 | 1916.0 | 231.0 | 9.24 | 0.00 | 1.595 | 0.000000 |
| Kharda 132kV | 10/01/2020 12:45:00 | 52 | 2500.0 | 1525.0 | 1425.0 | -100.0 | 4.0 | 0.00 | -1.063 | 0.000000 |
| Kharda 132kV | 10/01/2020 13:00:00 | 53 | 2500.0 | 1550.0 | 1613.0 | 63.0 | 2.52 | 0.00 | 2.658 | 0.000000 |
| Kharda 132kV | 10/01/2020 13:15:00 | 54 | 2500.0 | 1642.5 | 1214.0 | -428.5 | 17.14 | 26.75 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kharda 132kV | 10/01/2020 13:30:00 | 55 | 2500.0 | 1727.5 | 1196.0 | -531.5 | 21.26 | 78.25 | 2.127 | 0.000000 |
| Kharda 132kV | 10/01/2020 13:45:00 | 56 | 2500.0 | 1672.5 | 990.0 | -682.5 | 27.3 | 182.50 | -3.326 | 0.000000 |
| Kharda 132kV | 10/01/2020 14:00:00 | 57 | 2500.0 | 1347.5 | 861.0 | -486.5 | 19.46 | 55.75 | -2.992 | 0.000000 |
| Kharda 132kV | 10/01/2020 14:15:00 | 58 | 2500.0 | 1237.5 | 911.0 | -326.5 | 13.06 | 0.00 | 3.660 | 0.000000 |
| Kharda 132kV | 10/01/2020 14:30:00 | 59 | 2500.0 | 1235.0 | 840.0 | -395.0 | 15.8 | 10.00 | -2.127 | 0.000000 |
| Kharda 132kV | 10/01/2020 14:45:00 | 60 | 2500.0 | 1225.0 | 1159.0 | -66.0 | 2.64 | 0.00 | -2.127 | 0.000000 |
| Kharda 132kV | 10/01/2020 15:00:00 | 61 | 2500.0 | 1262.5 | 1540.0 | 277.5 | 11.1 | 0.00 | 0.000 | 0.000000 |
| Kharda 132kV | 10/01/2020 15:15:00 | 62 | 2500.0 | 1175.0 | 1462.0 | 287.0 | 11.48 | 0.00 | -2.992 | -34.809635 |
| Kharda 132kV | 10/01/2020 15:30:00 | 63 | 2500.0 | 935.0 | 1232.0 | 297.0 | 11.88 | 0.00 | -4.995 | -127.591983 |
| Kharda 132kV | 10/01/2020 15:45:00 | 64 | 2500.0 | 615.0 | 1110.0 | 495.0 | 19.8 | 60.00 | -4.327 | -133.762561 |
| Kharda 132kV | 10/01/2020 16:00:00 | 65 | 2500.0 | 640.0 | 877.0 | 237.0 | 9.48 | 0.00 | -4.995 | -8.827189 |
| Kharda 132kV | 10/01/2020 16:15:00 | 66 | 2500.0 | 510.0 | 746.0 | 236.0 | 9.44 | 0.00 | -8.000 | -132.243701 |
| Kharda 132kV | 10/01/2020 16:30:00 | 67 | 2500.0 | 377.5 | 507.0 | 129.5 | 5.18 | 0.00 | -8.000 | -99.489154 |
| Kharda 132kV | 10/01/2020 16:45:00 | 68 | 2500.0 | 302.5 | 314.0 | 11.5 | 0.46 | 0.00 | 4.327 | 0.000000 |
| Kharda 132kV | 10/01/2020 17:00:00 | 69 | 2500.0 | 210.0 | 266.0 | 56.0 | 2.24 | 0.00 | 0.532 | 0.000000 |
| Kharda 132kV | 10/01/2020 17:15:00 | 70 | 2500.0 | 120.0 | 167.0 | 47.0 | 1.88 | 0.00 | -1.595 | 0.000000 |
| Kharda 132kV | 10/01/2020 17:30:00 | 71 | 2500.0 | 62.5 | 90.0 | 27.5 | 1.1 | 0.00 | -2.658 | 0.000000 |
| Kharda 132kV | 10/01/2020 17:45:00 | 72 | 2500.0 | 12.5 | 34.0 | 21.5 | 0.86 | 0.00 | -2.127 | 0.000000 |
| Kharda 132kV | 10/01/2020 18:00:00 | 73 | 2500.0 | 0.0 | 2.0 | 2.0 | 0.08 | 0.00 | -1.461 | 0.000000 |
| Kharda 132kV | 10/01/2020 18:15:00 | 74 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.326 | 0.000000 |
| Kharda 132kV | 10/01/2020 18:30:00 | 75 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kharda 132kV | 10/01/2020 18:45:00 | 76 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.994 | 0.000000 |
| Kharda 132kV | 10/01/2020 19:00:00 | 77 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.127 | 0.000000 |
| Kharda 132kV | 10/01/2020 19:15:00 | 78 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Kharda 132kV | 10/01/2020 19:30:00 | 79 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.660 | 0.000000 |
| Kharda 132kV | 10/01/2020 19:45:00 | 80 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.326 | 0.000000 |
| Kharda 132kV | 10/01/2020 20:00:00 | 81 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.660 | 0.000000 |
| Kharda 132kV | 10/01/2020 20:15:00 | 82 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.660 | 0.000000 |
| Kharda 132kV | 10/01/2020 20:30:00 | 83 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.995 | 0.000000 |
| Kharda 132kV | 10/01/2020 20:45:00 | 84 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.992 | 0.000000 |
| Kharda 132kV | 10/01/2020 21:00:00 | 85 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.660 | 0.000000 |
| Kharda 132kV | 10/01/2020 21:15:00 | 86 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.595 | 0.000000 |
| Kharda 132kV | 10/01/2020 21:30:00 | 87 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.063 | 0.000000 |
| Kharda 132kV | 10/01/2020 21:45:00 | 88 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.532 | 0.000000 |
| Kharda 132kV | 10/01/2020 22:00:00 | 89 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.595 | 0.000000 |
| Kharda 132kV | 10/01/2020 22:15:00 | 90 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.127 | 0.000000 |
| Kharda 132kV | 10/01/2020 22:30:00 | 91 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.063 | 0.000000 |
| Kharda 132kV | 10/01/2020 22:45:00 | 92 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Kharda 132kV | 10/01/2020 23:00:00 | 93 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Kharda 132kV | 10/01/2020 23:15:00 | 94 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Kharda 132kV | 10/01/2020 23:30:00 | 95 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Kharda 132kV | 10/01/2020 23:45:00 | 96 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kharda 132kV | 11/01/2020 00:00:00 | 1 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Kharda 132kV | 11/01/2020 00:15:00 | 2 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.629 | 0.000000 |
| Kharda 132kV | 11/01/2020 00:30:00 | 3 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.577 | 0.000000 |
| Kharda 132kV | 11/01/2020 00:45:00 | 4 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.103 | 0.000000 |
| Kharda 132kV | 11/01/2020 01:00:00 | 5 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Kharda 132kV | 11/01/2020 01:15:00 | 6 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.052 | 0.000000 |
| Kharda 132kV | 11/01/2020 01:30:00 | 7 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.577 | 0.000000 |
| Kharda 132kV | 11/01/2020 01:45:00 | 8 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.526 | 0.000000 |
| Kharda 132kV | 11/01/2020 02:00:00 | 9 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.403 | 0.000000 |
| Kharda 132kV | 11/01/2020 02:15:00 | 10 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.630 | 0.000000 |
| Kharda 132kV | 11/01/2020 02:30:00 | 11 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.526 | 0.000000 |
| Kharda 132kV | 11/01/2020 02:45:00 | 12 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.526 | 0.000000 |
| Kharda 132kV | 11/01/2020 03:00:00 | 13 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.051 | 0.000000 |
| Kharda 132kV | 11/01/2020 03:15:00 | 14 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Kharda 132kV | 11/01/2020 03:30:00 | 15 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Kharda 132kV | 11/01/2020 03:45:00 | 16 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Kharda 132kV | 11/01/2020 04:00:00 | 17 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Kharda 132kV | 11/01/2020 04:15:00 | 18 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.051 | 0.000000 |
| Kharda 132kV | 11/01/2020 04:30:00 | 19 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.964 | 0.000000 |
| Kharda 132kV | 11/01/2020 04:45:00 | 20 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.300 | 0.000000 |
| Kharda 132kV | 11/01/2020 05:00:00 | 21 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kharda 132kV | 11/01/2020 05:15:00 | 22 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.314 | 0.000000 |
| Kharda 132kV | 11/01/2020 05:30:00 | 23 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Kharda 132kV | 11/01/2020 05:45:00 | 24 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.103 | 0.000000 |
| Kharda 132kV | 11/01/2020 06:00:00 | 25 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.636 | 0.000000 |
| Kharda 132kV | 11/01/2020 06:15:00 | 26 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Kharda 132kV | 11/01/2020 06:30:00 | 27 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.105 | 0.000000 |
| Kharda 132kV | 11/01/2020 06:45:00 | 28 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.650 | 0.000000 |
| Kharda 132kV | 11/01/2020 07:00:00 | 29 | 2500.0 | 57.5 | 0.0 | -57.5 | 2.3 | 0.00 | 3.300 | 0.000000 |
| Kharda 132kV | 11/01/2020 07:15:00 | 30 | 2500.0 | 125.0 | 28.0 | -97.0 | 3.88 | 0.00 | 5.314 | 0.000000 |
| Kharda 132kV | 11/01/2020 07:30:00 | 31 | 2500.0 | 195.0 | 77.0 | -118.0 | 4.72 | 0.00 | 2.964 | 0.000000 |
| Kharda 132kV | 11/01/2020 07:45:00 | 32 | 2500.0 | 277.5 | 145.0 | -132.5 | 5.3 | 0.00 | 2.103 | 0.000000 |
| Kharda 132kV | 11/01/2020 08:00:00 | 33 | 2500.0 | 397.5 | 212.0 | -185.5 | 7.42 | 0.00 | -1.577 | 0.000000 |
| Kharda 132kV | 11/01/2020 08:15:00 | 34 | 2500.0 | 510.0 | 303.0 | -207.0 | 8.28 | 0.00 | 3.300 | 0.000000 |
| Kharda 132kV | 11/01/2020 08:30:00 | 35 | 2500.0 | 647.5 | 414.0 | -233.5 | 9.34 | 0.00 | 2.116 | 0.000000 |
| Kharda 132kV | 11/01/2020 08:45:00 | 36 | 2500.0 | 800.0 | 547.0 | -253.0 | 10.12 | 0.00 | 2.964 | 0.000000 |
| Kharda 132kV | 11/01/2020 09:00:00 | 37 | 2500.0 | 945.0 | 649.0 | -296.0 | 11.84 | 0.00 | 6.681 | 0.000000 |
| Kharda 132kV | 11/01/2020 09:15:00 | 38 | 2500.0 | 1112.5 | 796.0 | -316.5 | 12.66 | 0.00 | 6.657 | 0.000000 |
| Kharda 132kV | 11/01/2020 09:30:00 | 39 | 2500.0 | 1247.5 | 966.0 | -281.5 | 11.26 | 0.00 | -6.322 | 0.000000 |
| Kharda 132kV | 11/01/2020 09:45:00 | 40 | 2500.0 | 1417.5 | 1074.0 | -343.5 | 13.74 | 0.00 | -2.103 | 0.000000 |
| Kharda 132kV | 11/01/2020 10:00:00 | 41 | 2500.0 | 1490.0 | 1230.0 | -260.0 | 10.4 | 0.00 | 0.526 | 0.000000 |
| Kharda 132kV | 11/01/2020 10:15:00 | 42 | 2500.0 | 1632.5 | 1478.0 | -154.5 | 6.18 | 0.00 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kharda 132kV | 11/01/2020 10:30:00 | 43 | 2500.0 | 1725.0 | 1580.0 | -145.0 | 5.8 | 0.00 | 0.000 | 0.000000 |
| Kharda 132kV | 11/01/2020 10:45:00 | 44 | 2500.0 | 1795.0 | 953.0 | -842.0 | 33.68 | 342.00 | 0.000 | 0.000000 |
| Kharda 132kV | 11/01/2020 11:00:00 | 45 | 2500.0 | 1815.0 | 822.0 | -993.0 | 39.72 | 552.00 | 0.000 | 0.000000 |
| Kharda 132kV | 11/01/2020 11:15:00 | 46 | 2500.0 | 1965.0 | 905.0 | -1060.0 | 42.4 | 652.50 | -2.964 | 0.000000 |
| Kharda 132kV | 11/01/2020 11:30:00 | 47 | 2500.0 | 1970.0 | 770.0 | -1200.0 | 48.0 | 862.50 | -4.307 | 0.000000 |
| Kharda 132kV | 11/01/2020 11:45:00 | 48 | 2500.0 | 2122.5 | 773.0 | -1349.5 | 53.98 | 1086.75 | -3.300 | 0.000000 |
| Kharda 132kV | 11/01/2020 12:00:00 | 49 | 2500.0 | 1952.5 | 1123.0 | -829.5 | 33.18 | 329.50 | -0.526 | 0.000000 |
| Kharda 132kV | 11/01/2020 12:15:00 | 50 | 2500.0 | 1972.5 | 1696.0 | -276.5 | 11.06 | 0.00 | -2.103 | 0.000000 |
| Kharda 132kV | 11/01/2020 12:30:00 | 51 | 2500.0 | 1970.0 | 1954.0 | -16.0 | 0.64 | 0.00 | -2.629 | 0.000000 |
| Kharda 132kV | 11/01/2020 12:45:00 | 52 | 2500.0 | 1870.0 | 1169.0 | -701.0 | 28.04 | 201.00 | -2.629 | 0.000000 |
| Kharda 132kV | 11/01/2020 13:00:00 | 53 | 2500.0 | 1892.5 | 930.0 | -962.5 | 38.5 | 506.25 | 0.000 | 0.000000 |
| Kharda 132kV | 11/01/2020 13:15:00 | 54 | 2500.0 | 1912.5 | 1683.0 | -229.5 | 9.18 | 0.00 | -2.103 | 0.000000 |
| Kharda 132kV | 11/01/2020 13:30:00 | 55 | 2500.0 | 1960.0 | 1574.0 | -386.0 | 15.44 | 5.50 | 2.629 | 0.000000 |
| Kharda 132kV | 11/01/2020 13:45:00 | 56 | 2500.0 | 1960.0 | 1850.0 | -110.0 | 4.4 | 0.00 | 2.103 | 0.000000 |
| Kharda 132kV | 11/01/2020 14:00:00 | 57 | 2500.0 | 1730.0 | 1265.0 | -465.0 | 18.6 | 45.00 | 1.051 | 0.000000 |
| Kharda 132kV | 11/01/2020 14:15:00 | 58 | 2500.0 | 1610.0 | 655.0 | -955.0 | 38.2 | 495.00 | 3.300 | 0.000000 |
| Kharda 132kV | 11/01/2020 14:30:00 | 59 | 2500.0 | 1520.0 | 1094.0 | -426.0 | 17.04 | 25.50 | -3.636 | 0.000000 |
| Kharda 132kV | 11/01/2020 14:45:00 | 60 | 2500.0 | 1452.5 | 1139.0 | -313.5 | 12.54 | 0.00 | 4.979 | 0.000000 |
| Kharda 132kV | 11/01/2020 15:00:00 | 61 | 2500.0 | 1410.0 | 1345.0 | -65.0 | 2.6 | 0.00 | -2.964 | 0.000000 |
| Kharda 132kV | 11/01/2020 15:15:00 | 62 | 2500.0 | 1220.0 | 439.0 | -781.0 | 31.24 | 281.00 | -5.314 | 0.000000 |
| Kharda 132kV | 11/01/2020 15:30:00 | 63 | 2500.0 | 952.5 | 715.0 | -237.5 | 9.5 | 0.00 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kharda 132kV | 11/01/2020 15:45:00 | 64 | 2500.0 | 632.5 | 977.0 | 344.5 | 13.78 | 0.00 | 4.643 | 0.000000 |
| Kharda 132kV | 11/01/2020 16:00:00 | 65 | 2500.0 | 652.5 | 766.0 | 113.5 | 4.54 | 0.00 | 2.103 | 0.000000 |
| Kharda 132kV | 11/01/2020 16:15:00 | 66 | 2500.0 | 517.5 | 487.0 | -30.5 | 1.22 | 0.00 | -2.964 | 0.000000 |
| Kharda 132kV | 11/01/2020 16:30:00 | 67 | 2500.0 | 382.5 | 490.0 | 107.5 | 4.3 | 0.00 | -2.103 | 0.000000 |
| Kharda 132kV | 11/01/2020 16:45:00 | 68 | 2500.0 | 307.5 | 379.0 | 71.5 | 2.86 | 0.00 | 3.972 | 0.000000 |
| Kharda 132kV | 11/01/2020 17:00:00 | 69 | 2500.0 | 217.5 | 270.0 | 52.5 | 2.1 | 0.00 | -1.577 | 0.000000 |
| Kharda 132kV | 11/01/2020 17:15:00 | 70 | 2500.0 | 127.5 | 165.0 | 37.5 | 1.5 | 0.00 | -1.577 | 0.000000 |
| Kharda 132kV | 11/01/2020 17:30:00 | 71 | 2500.0 | 70.0 | 94.0 | 24.0 | 0.96 | 0.00 | 1.051 | 0.000000 |
| Kharda 132kV | 11/01/2020 17:45:00 | 72 | 2500.0 | 15.0 | 39.0 | 24.0 | 0.96 | 0.00 | -2.103 | 0.000000 |
| Kharda 132kV | 11/01/2020 18:00:00 | 73 | 2500.0 | 0.0 | 4.0 | 4.0 | 0.16 | 0.00 | -2.964 | 0.000000 |
| Kharda 132kV | 11/01/2020 18:15:00 | 74 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.629 | 0.000000 |
| Kharda 132kV | 11/01/2020 18:30:00 | 75 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.103 | 0.000000 |
| Kharda 132kV | 11/01/2020 18:45:00 | 76 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.526 | 0.000000 |
| Kharda 132kV | 11/01/2020 19:00:00 | 77 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.103 | 0.000000 |
| Kharda 132kV | 11/01/2020 19:15:00 | 78 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.052 | 0.000000 |
| Kharda 132kV | 11/01/2020 19:30:00 | 79 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Kharda 132kV | 11/01/2020 19:45:00 | 80 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.629 | 0.000000 |
| Kharda 132kV | 11/01/2020 20:00:00 | 81 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.629 | 0.000000 |
| Kharda 132kV | 11/01/2020 20:15:00 | 82 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.307 | 0.000000 |
| Kharda 132kV | 11/01/2020 20:30:00 | 83 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Kharda 132kV | 11/01/2020 20:45:00 | 84 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.629 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kharda 132kV | 11/01/2020 21:00:00 | 85 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.636 | 0.000000 |
| Kharda 132kV | 11/01/2020 21:15:00 | 86 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.577 | 0.000000 |
| Kharda 132kV | 11/01/2020 21:30:00 | 87 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.577 | 0.000000 |
| Kharda 132kV | 11/01/2020 21:45:00 | 88 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.052 | 0.000000 |
| Kharda 132kV | 11/01/2020 22:00:00 | 89 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.650 | 0.000000 |
| Kharda 132kV | 11/01/2020 22:15:00 | 90 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.650 | 0.000000 |
| Kharda 132kV | 11/01/2020 22:30:00 | 91 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.979 | 0.000000 |
| Kharda 132kV | 11/01/2020 22:45:00 | 92 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Kharda 132kV | 11/01/2020 23:00:00 | 93 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.577 | 0.000000 |
| Kharda 132kV | 11/01/2020 23:15:00 | 94 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.074 | 0.000000 |
| Kharda 132kV | 11/01/2020 23:30:00 | 95 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.113 | 0.000000 |
| Kharda 132kV | 11/01/2020 23:45:00 | 96 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.162 | 0.000000 |
| Kharda 132kV | 12/01/2020 00:00:00 | 1 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Kharda 132kV | 12/01/2020 00:15:00 | 2 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |
| Kharda 132kV | 12/01/2020 00:30:00 | 3 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |
| Kharda 132kV | 12/01/2020 00:45:00 | 4 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Kharda 132kV | 12/01/2020 01:00:00 | 5 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.629 | 0.000000 |
| Kharda 132kV | 12/01/2020 01:15:00 | 6 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.317 | 0.000000 |
| Kharda 132kV | 12/01/2020 01:30:00 | 7 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.354 | 0.000000 |
| Kharda 132kV | 12/01/2020 01:45:00 | 8 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Kharda 132kV | 12/01/2020 02:00:00 | 9 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kharda 132kV | 12/01/2020 02:15:00 | 10 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Kharda 132kV | 12/01/2020 02:30:00 | 11 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.690 | 0.000000 |
| Kharda 132kV | 12/01/2020 02:45:00 | 12 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Kharda 132kV | 12/01/2020 03:00:00 | 13 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.354 | 0.000000 |
| Kharda 132kV | 12/01/2020 03:15:00 | 14 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Kharda 132kV | 12/01/2020 03:30:00 | 15 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.354 | 0.000000 |
| Kharda 132kV | 12/01/2020 03:45:00 | 16 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Kharda 132kV | 12/01/2020 04:00:00 | 17 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |
| Kharda 132kV | 12/01/2020 04:15:00 | 18 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Kharda 132kV | 12/01/2020 04:30:00 | 19 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.076 | 0.000000 |
| Kharda 132kV | 12/01/2020 04:45:00 | 20 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Kharda 132kV | 12/01/2020 05:00:00 | 21 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.686 | 0.000000 |
| Kharda 132kV | 12/01/2020 05:15:00 | 22 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.686 | 0.000000 |
| Kharda 132kV | 12/01/2020 05:30:00 | 23 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.614 | 0.000000 |
| Kharda 132kV | 12/01/2020 05:45:00 | 24 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.496 | 0.000000 |
| Kharda 132kV | 12/01/2020 06:00:00 | 25 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Kharda 132kV | 12/01/2020 06:15:00 | 26 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.430 | 0.000000 |
| Kharda 132kV | 12/01/2020 06:30:00 | 27 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |
| Kharda 132kV | 12/01/2020 06:45:00 | 28 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.681 | 0.000000 |
| Kharda 132kV | 12/01/2020 07:00:00 | 29 | 2500.0 | 2.5 | 2.0 | -0.5 | 0.02 | 0.00 | 1.614 | 0.000000 |
| Kharda 132kV | 12/01/2020 07:15:00 | 30 | 2500.0 | 47.5 | 37.0 | -10.5 | 0.42 | 0.00 | 3.838 | 8.690341 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kharda 132kV | 12/01/2020 07:30:00 | 31 | 2500.0 | 100.0 | 92.0 | -8.0 | 0.32 | 0.00 | 3.022 | 0.000000 |
| Kharda 132kV | 12/01/2020 07:45:00 | 32 | 2500.0 | 167.5 | 158.0 | -9.5 | 0.38 | 0.00 | 2.690 | 0.000000 |
| Kharda 132kV | 12/01/2020 08:00:00 | 33 | 2500.0 | 255.0 | 240.0 | -15.0 | 0.6 | 0.00 | -2.690 | 0.000000 |
| Kharda 132kV | 12/01/2020 08:15:00 | 34 | 2500.0 | 330.0 | 358.0 | 28.0 | 1.12 | 0.00 | -4.018 | -13.790183 |
| Kharda 132kV | 12/01/2020 08:30:00 | 35 | 2500.0 | 440.0 | 533.0 | 93.0 | 3.72 | 0.00 | -2.690 | -4.416970 |
| Kharda 132kV | 12/01/2020 08:45:00 | 36 | 2500.0 | 567.5 | 732.0 | 164.5 | 6.58 | 0.00 | 3.022 | 0.000000 |
| Kharda 132kV | 12/01/2020 09:00:00 | 37 | 2500.0 | 675.0 | 911.0 | 236.0 | 9.44 | 0.00 | -3.354 | -30.344257 |
| Kharda 132kV | 12/01/2020 09:15:00 | 38 | 2500.0 | 792.5 | 1082.0 | 289.5 | 11.58 | 0.00 | -4.350 | -10.468258 |
| Kharda 132kV | 12/01/2020 09:30:00 | 39 | 2500.0 | 897.5 | 1253.0 | 355.5 | 14.22 | 0.00 | 2.152 | 0.000000 |
| Kharda 132kV | 12/01/2020 09:45:00 | 40 | 2500.0 | 1105.0 | 1390.0 | 285.0 | 11.4 | 0.00 | -2.690 | -16.098853 |
| Kharda 132kV | 12/01/2020 10:00:00 | 41 | 2500.0 | 1067.5 | 1523.0 | 455.5 | 18.22 | 40.25 | -3.354 | -16.850682 |
| Kharda 132kV | 12/01/2020 10:15:00 | 42 | 2500.0 | 1207.5 | 1652.0 | 444.5 | 17.78 | 34.75 | -3.686 | -23.490566 |
| Kharda 132kV | 12/01/2020 10:30:00 | 43 | 2500.0 | 1297.5 | 1767.0 | 469.5 | 18.78 | 47.25 | -1.614 | -15.773115 |
| Kharda 132kV | 12/01/2020 10:45:00 | 44 | 2500.0 | 1787.5 | 1836.0 | 48.5 | 1.94 | 0.00 | 3.686 | 0.000000 |
| Kharda 132kV | 12/01/2020 11:00:00 | 45 | 2500.0 | 1925.0 | 1921.0 | -4.0 | 0.16 | 0.00 | -3.354 | 0.000000 |
| Kharda 132kV | 12/01/2020 11:15:00 | 46 | 2500.0 | 2042.5 | 1930.0 | -112.5 | 4.5 | 0.00 | -5.450 | 0.000000 |
| Kharda 132kV | 12/01/2020 11:30:00 | 47 | 2500.0 | 2022.5 | 1991.0 | -31.5 | 1.26 | 0.00 | -6.009 | 0.000000 |
| Kharda 132kV | 12/01/2020 11:45:00 | 48 | 2500.0 | 2155.0 | 2025.0 | -130.0 | 5.2 | 0.00 | 2.690 | 0.000000 |
| Kharda 132kV | 12/01/2020 12:00:00 | 49 | 2500.0 | 2017.5 | 2040.0 | 22.5 | 0.9 | 0.00 | 3.686 | 0.000000 |
| Kharda 132kV | 12/01/2020 12:15:00 | 50 | 2500.0 | 2072.5 | 2051.0 | -21.5 | 0.86 | 0.00 | -5.345 | 0.000000 |
| Kharda 132kV | 12/01/2020 12:30:00 | 51 | 2500.0 | 2102.5 | 2041.0 | -61.5 | 2.46 | 0.00 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kharda 132kV | 12/01/2020 12:45:00 | 52 | 2500.0 | 2477.5 | 2078.0 | -399.5 | 15.98 | 12.25 | -5.345 | 0.000000 |
| Kharda 132kV | 12/01/2020 13:00:00 | 53 | 2500.0 | 2425.0 | 1996.0 | -429.0 | 17.16 | 27.00 | -3.999 | 0.000000 |
| Kharda 132kV | 12/01/2020 13:15:00 | 54 | 2500.0 | 2375.0 | 1984.0 | -391.0 | 15.64 | 8.00 | -4.350 | 0.000000 |
| Kharda 132kV | 12/01/2020 13:30:00 | 55 | 2500.0 | 2322.5 | 1934.0 | -388.5 | 15.54 | 6.75 | -1.076 | 0.000000 |
| Kharda 132kV | 12/01/2020 13:45:00 | 56 | 2500.0 | 2270.0 | 1876.0 | -394.0 | 15.76 | 9.50 | -2.690 | 0.000000 |
| Kharda 132kV | 12/01/2020 14:00:00 | 57 | 2500.0 | 2165.0 | 1813.0 | -352.0 | 14.08 | 0.00 | -0.538 | 0.000000 |
| Kharda 132kV | 12/01/2020 14:15:00 | 58 | 2500.0 | 1895.0 | 1734.0 | -161.0 | 6.44 | 0.00 | -2.152 | 0.000000 |
| Kharda 132kV | 12/01/2020 14:30:00 | 59 | 2500.0 | 1797.5 | 1658.0 | -139.5 | 5.58 | 0.00 | -2.690 | 0.000000 |
| Kharda 132kV | 12/01/2020 14:45:00 | 60 | 2500.0 | 1702.5 | 1578.0 | -124.5 | 4.98 | 0.00 | -1.076 | 0.000000 |
| Kharda 132kV | 12/01/2020 15:00:00 | 61 | 2500.0 | 1567.5 | 1489.0 | -78.5 | 3.14 | 0.00 | 0.000 | 0.000000 |
| Kharda 132kV | 12/01/2020 15:15:00 | 62 | 2500.0 | 1432.5 | 1384.0 | -48.5 | 1.94 | 0.00 | -2.690 | 0.000000 |
| Kharda 132kV | 12/01/2020 15:30:00 | 63 | 2500.0 | 1297.5 | 1247.0 | -50.5 | 2.02 | 0.00 | -3.022 | 0.000000 |
| Kharda 132kV | 12/01/2020 15:45:00 | 64 | 2500.0 | 1162.5 | 1095.0 | -67.5 | 2.7 | 0.00 | -3.686 | 0.000000 |
| Kharda 132kV | 12/01/2020 16:00:00 | 65 | 2500.0 | 995.0 | 912.0 | -83.0 | 3.32 | 0.00 | -3.737 | 0.000000 |
| Kharda 132kV | 12/01/2020 16:15:00 | 66 | 2500.0 | 832.5 | 706.0 | -126.5 | 5.06 | 0.00 | -5.786 | 0.000000 |
| Kharda 132kV | 12/01/2020 16:30:00 | 67 | 2500.0 | 670.0 | 534.0 | -136.0 | 5.44 | 0.00 | -4.350 | 0.000000 |
| Kharda 132kV | 12/01/2020 16:45:00 | 68 | 2500.0 | 502.5 | 381.0 | -121.5 | 4.86 | 0.00 | -1.614 | 0.000000 |
| Kharda 132kV | 12/01/2020 17:00:00 | 69 | 2500.0 | 390.0 | 277.0 | -113.0 | 4.52 | 0.00 | 0.000 | 0.000000 |
| Kharda 132kV | 12/01/2020 17:15:00 | 70 | 2500.0 | 277.5 | 188.0 | -89.5 | 3.58 | 0.00 | 2.690 | 23.203230 |
| Kharda 132kV | 12/01/2020 17:30:00 | 71 | 2500.0 | 165.0 | 106.0 | -59.0 | 2.36 | 0.00 | -3.022 | 0.000000 |
| Kharda 132kV | 12/01/2020 17:45:00 | 72 | 2500.0 | 50.0 | 43.0 | -7.0 | 0.28 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kharda 132kV | 12/01/2020 18:00:00 | 73 | 2500.0 | 30.0 | 5.0 | -25.0 | 1.0 | 0.00 | -0.538 | 0.000000 |
| Kharda 132kV | 12/01/2020 18:15:00 | 74 | 2500.0 | 15.0 | 0.0 | -15.0 | 0.6 | 0.00 | -4.350 | 0.000000 |
| Kharda 132kV | 12/01/2020 18:30:00 | 75 | 2500.0 | 2.5 | 0.0 | -2.5 | 0.1 | 0.00 | 2.690 | 0.429905 |
| Kharda 132kV | 12/01/2020 18:45:00 | 76 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Kharda 132kV | 12/01/2020 19:00:00 | 77 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.686 | 0.000000 |
| Kharda 132kV | 12/01/2020 19:15:00 | 78 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.690 | 0.000000 |
| Kharda 132kV | 12/01/2020 19:30:00 | 79 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Kharda 132kV | 12/01/2020 19:45:00 | 80 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.781 | 0.000000 |
| Kharda 132kV | 12/01/2020 20:00:00 | 81 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.021 | 0.000000 |
| Kharda 132kV | 12/01/2020 20:15:00 | 82 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.018 | 0.000000 |
| Kharda 132kV | 12/01/2020 20:30:00 | 83 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.354 | 0.000000 |
| Kharda 132kV | 12/01/2020 20:45:00 | 84 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.614 | 0.000000 |
| Kharda 132kV | 12/01/2020 21:00:00 | 85 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.350 | 0.000000 |
| Kharda 132kV | 12/01/2020 21:15:00 | 86 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.686 | 0.000000 |
| Kharda 132kV | 12/01/2020 21:30:00 | 87 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.614 | 0.000000 |
| Kharda 132kV | 12/01/2020 21:45:00 | 88 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Kharda 132kV | 12/01/2020 22:00:00 | 89 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.354 | 0.000000 |
| Kharda 132kV | 12/01/2020 22:15:00 | 90 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.350 | 0.000000 |
| Kharda 132kV | 12/01/2020 22:30:00 | 91 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.215 | 0.000000 |
| Kharda 132kV | 12/01/2020 22:45:00 | 92 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Kharda 132kV | 12/01/2020 23:00:00 | 93 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Kharda 132kV | 12/01/2020 23:15:00 | 94 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Kharda 132kV | 12/01/2020 23:30:00 | 95 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Kharda 132kV | 12/01/2020 23:45:00 | 96 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Koral 132kV | 06/01/2020 00:00:00 | 1 | 6500.0 | 5140.0 | 0.0 | -5140.0 | 79.08 | 5272.50 | 2.903 | 0.000000 |
| Koral 132kV | 06/01/2020 00:15:00 | 2 | 6500.0 | 4782.5 | 0.0 | -4782.5 | 73.58 | 4736.25 | 0.000 | 0.000000 |
| Koral 132kV | 06/01/2020 00:30:00 | 3 | 6500.0 | 4817.5 | 0.0 | -4817.5 | 74.12 | 4788.75 | 0.000 | 0.000000 |
| Koral 132kV | 06/01/2020 00:45:00 | 4 | 6500.0 | 4852.5 | 0.0 | -4852.5 | 74.65 | 4841.25 | -0.984 | 0.000000 |
| Koral 132kV | 06/01/2020 01:00:00 | 5 | 6500.0 | 4887.5 | 0.0 | -4887.5 | 75.19 | 4893.75 | -3.541 | 0.000000 |
| Koral 132kV | 06/01/2020 01:15:00 | 6 | 6500.0 | 4922.5 | 0.0 | -4922.5 | 75.73 | 4946.25 | 3.222 | 118.178230 |
| Koral 132kV | 06/01/2020 01:30:00 | 7 | 6500.0 | 6025.0 | 0.0 | -6025.0 | 92.69 | 6600.00 | 3.541 | 1626.041148 |
| Koral 132kV | 06/01/2020 01:45:00 | 8 | 6500.0 | 5217.5 | 0.0 | -5217.5 | 80.27 | 5388.75 | 2.352 | 0.000000 |
| Koral 132kV | 06/01/2020 02:00:00 | 9 | 6500.0 | 5870.0 | 0.0 | -5870.0 | 90.31 | 6367.50 | 1.747 | 0.000000 |
| Koral 132kV | 06/01/2020 02:15:00 | 10 | 6500.0 | 5952.5 | 0.0 | -5952.5 | 91.58 | 6491.25 | 0.581 | 0.000000 |
| Koral 132kV | 06/01/2020 02:30:00 | 11 | 6500.0 | 6037.5 | 0.0 | -6037.5 | 92.88 | 6618.75 | -2.323 | 0.000000 |
| Koral 132kV | 06/01/2020 02:45:00 | 12 | 6500.0 | 6122.5 | 0.0 | -6122.5 | 94.19 | 6746.25 | 2.323 | 0.000000 |
| Koral 132kV | 06/01/2020 03:00:00 | 13 | 6500.0 | 5572.5 | 0.0 | -5572.5 | 85.73 | 5921.25 | 2.323 | 0.000000 |
| Koral 132kV | 06/01/2020 03:15:00 | 14 | 6500.0 | 5625.0 | 0.0 | -5625.0 | 86.54 | 6000.00 | -1.742 | 0.000000 |
| Koral 132kV | 06/01/2020 03:30:00 | 15 | 6500.0 | 5650.0 | 0.0 | -5650.0 | 86.92 | 6037.50 | 3.222 | 0.000000 |
| Koral 132kV | 06/01/2020 03:45:00 | 16 | 6500.0 | 5185.0 | 0.0 | -5185.0 | 79.77 | 5340.00 | 3.541 | 0.000000 |
| Koral 132kV | 06/01/2020 04:00:00 | 17 | 6500.0 | 5112.5 | 0.0 | -5112.5 | 78.65 | 5231.25 | 4.496 | 0.000000 |
| Koral 132kV | 06/01/2020 04:15:00 | 18 | 6500.0 | 5210.0 | 0.0 | -5210.0 | 80.15 | 5377.50 | 3.222 | 0.000000 |

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| Koral 132kV | 06/01/2020 04:30:00 | 19 | 6500.0 | 5177.5 | 0.0 | -5177.5 | 79.65 | 5328.75 | 3.859 | 0.000000 |
| Koral 132kV | 06/01/2020 04:45:00 | 20 | 6500.0 | 5070.0 | 0.0 | -5070.0 | 78.0 | 5167.50 | 4.815 | 0.000000 |
| Koral 132kV | 06/01/2020 05:00:00 | 21 | 6500.0 | 5160.0 | 0.0 | -5160.0 | 79.38 | 5302.50 | 3.859 | 2263.077492 |
| Koral 132kV | 06/01/2020 05:15:00 | 22 | 6500.0 | 5052.5 | 0.0 | -5052.5 | 77.73 | 5141.25 | 6.407 | 4000.489373 |
| Koral 132kV | 06/01/2020 05:30:00 | 23 | 6500.0 | 5112.5 | 0.0 | -5112.5 | 78.65 | 5231.25 | 6.496 | 5992.713304 |
| Koral 132kV | 06/01/2020 05:45:00 | 24 | 6500.0 | 5177.5 | 0.0 | -5177.5 | 79.65 | 5328.75 | 7.492 | 3279.692654 |
| Koral 132kV | 06/01/2020 06:00:00 | 25 | 6500.0 | 5395.0 | 0.0 | -5395.0 | 83.0 | 5655.00 | -5.452 | 0.000000 |
| Koral 132kV | 06/01/2020 06:15:00 | 26 | 6500.0 | 5300.0 | 0.0 | -5300.0 | 81.54 | 5512.50 | -6.089 | 0.000000 |
| Koral 132kV | 06/01/2020 06:30:00 | 27 | 6500.0 | 5332.5 | 0.0 | -5332.5 | 82.04 | 5561.25 | -7.044 | 0.000000 |
| Koral 132kV | 06/01/2020 06:45:00 | 28 | 6500.0 | 5172.5 | 0.0 | -5172.5 | 79.58 | 5321.25 | 7.682 | 0.000000 |
| Koral 132kV | 06/01/2020 07:00:00 | 29 | 6500.0 | 5227.5 | 0.0 | -5227.5 | 80.42 | 5403.75 | -3.859 | 0.000000 |
| Koral 132kV | 06/01/2020 07:15:00 | 30 | 6500.0 | 5332.5 | 0.0 | -5332.5 | 82.04 | 5561.25 | 4.815 | 2647.682798 |
| Koral 132kV | 06/01/2020 07:30:00 | 31 | 6500.0 | 5685.0 | 0.0 | -5685.0 | 87.46 | 6090.00 | 4.178 | 0.000000 |
| Koral 132kV | 06/01/2020 07:45:00 | 32 | 6500.0 | 5612.5 | 0.0 | -5612.5 | 86.35 | 5981.25 | -3.540 | 0.000000 |
| Koral 132kV | 06/01/2020 08:00:00 | 33 | 6500.0 | 5710.0 | 0.0 | -5710.0 | 87.85 | 6127.50 | -3.859 | 0.000000 |
| Koral 132kV | 06/01/2020 08:15:00 | 34 | 6500.0 | 5677.5 | 0.0 | -5677.5 | 87.35 | 6078.75 | -5.452 | 0.000000 |
| Koral 132kV | 06/01/2020 08:30:00 | 35 | 6500.0 | 5570.0 | 0.0 | -5570.0 | 85.69 | 5917.50 | 4.178 | 0.000000 |
| Koral 132kV | 06/01/2020 08:45:00 | 36 | 6500.0 | 5660.0 | 0.0 | -5660.0 | 87.08 | 6052.50 | -3.859 | 0.000000 |
| Koral 132kV | 06/01/2020 09:00:00 | 37 | 6500.0 | 5552.5 | 0.0 | -5552.5 | 85.42 | 5891.25 | -6.407 | 0.000000 |
| Koral 132kV | 06/01/2020 09:15:00 | 38 | 6500.0 | 5612.5 | 0.0 | -5612.5 | 86.35 | 5981.25 | -8.000 | 0.000000 |
| Koral 132kV | 06/01/2020 09:30:00 | 39 | 6500.0 | 5685.0 | 0.0 | -5685.0 | 87.46 | 6090.00 | -5.770 | 0.000000 |

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| Koral 132kV | 06/01/2020 09:45:00 | 40 | 6500.0 | 5612.5 | 0.0 | -5612.5 | 86.35 | 5981.25 | 3.222 | 0.000000 |
| Koral 132kV | 06/01/2020 10:00:00 | 41 | 6500.0 | 5710.0 | 0.0 | -5710.0 | 87.85 | 6127.50 | -2.903 | 0.000000 |
| Koral 132kV | 06/01/2020 10:15:00 | 42 | 6500.0 | 5677.5 | 0.0 | -5677.5 | 87.35 | 6078.75 | -3.222 | 0.000000 |
| Koral 132kV | 06/01/2020 10:30:00 | 43 | 6500.0 | 5570.0 | 0.0 | -5570.0 | 85.69 | 5917.50 | 4.815 | 0.000000 |
| Koral 132kV | 06/01/2020 10:45:00 | 44 | 6500.0 | 5660.0 | 0.0 | -5660.0 | 87.08 | 6052.50 | 4.496 | 0.000000 |
| Koral 132kV | 06/01/2020 11:00:00 | 45 | 6500.0 | 5552.5 | 0.0 | -5552.5 | 85.42 | 5891.25 | 16.000 | 0.000000 |
| Koral 132kV | 06/01/2020 11:15:00 | 46 | 6500.0 | 5612.5 | 0.0 | -5612.5 | 86.35 | 5981.25 | 5.133 | 0.000000 |
| Koral 132kV | 06/01/2020 11:30:00 | 47 | 6500.0 | 3902.5 | 0.0 | -3902.5 | 60.04 | 3416.25 | 1.182 | 0.000000 |
| Koral 132kV | 06/01/2020 11:45:00 | 48 | 6500.0 | 3487.5 | 0.0 | -3487.5 | 53.65 | 2793.75 | 6.308 | 0.000000 |
| Koral 132kV | 06/01/2020 12:00:00 | 49 | 6500.0 | 3100.0 | 0.0 | -3100.0 | 47.69 | 2212.50 | 6.598 | 0.000000 |
| Koral 132kV | 06/01/2020 12:15:00 | 50 | 6500.0 | 2717.5 | 0.0 | -2717.5 | 41.81 | 1638.75 | 5.431 | 0.000000 |
| Koral 132kV | 06/01/2020 12:30:00 | 51 | 6500.0 | 1952.5 | 0.0 | -1952.5 | 30.04 | 652.50 | 3.540 | 0.000000 |
| Koral 132kV | 06/01/2020 12:45:00 | 52 | 6500.0 | 1057.5 | 0.0 | -1057.5 | 16.27 | 41.25 | -2.903 | 0.000000 |
| Koral 132kV | 06/01/2020 13:00:00 | 53 | 6500.0 | 1120.0 | 0.0 | -1120.0 | 17.23 | 72.50 | -1.161 | 0.000000 |
| Koral 132kV | 06/01/2020 13:15:00 | 54 | 6500.0 | 1097.5 | 0.0 | -1097.5 | 16.88 | 61.25 | 3.859 | 0.000000 |
| Koral 132kV | 06/01/2020 13:30:00 | 55 | 6500.0 | 1155.0 | 0.0 | -1155.0 | 17.77 | 90.00 | -6.407 | 0.000000 |
| Koral 132kV | 06/01/2020 13:45:00 | 56 | 6500.0 | 972.5 | 0.0 | -972.5 | 14.96 | 0.00 | 5.452 | 0.000000 |
| Koral 132kV | 06/01/2020 14:00:00 | 57 | 6500.0 | 820.0 | 0.0 | -820.0 | 12.62 | 0.00 | 5.452 | 0.000000 |
| Koral 132kV | 06/01/2020 14:15:00 | 58 | 6500.0 | 972.5 | 0.0 | -972.5 | 14.96 | 0.00 | 16.000 | 0.000000 |
| Koral 132kV | 06/01/2020 14:30:00 | 59 | 6500.0 | 1530.0 | 0.0 | -1530.0 | 23.54 | 277.50 | 6.035 | 0.000000 |
| Koral 132kV | 06/01/2020 14:45:00 | 60 | 6500.0 | 1537.5 | 0.0 | -1537.5 | 23.65 | 281.25 | 3.949 | 0.000000 |

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| Koral 132kV | 06/01/2020 15:00:00 | 61 | 6500.0 | 1587.5 | 0.0 | -1587.5 | 24.42 | 306.25 | 3.367 | 0.000000 |
| Koral 132kV | 06/01/2020 15:15:00 | 62 | 6500.0 | 1612.5 | 0.0 | -1612.5 | 24.81 | 318.75 | 3.904 | 0.000000 |
| Koral 132kV | 06/01/2020 15:30:00 | 63 | 6500.0 | 1530.0 | 0.0 | -1530.0 | 23.54 | 277.50 | 4.482 | 0.000000 |
| Koral 132kV | 06/01/2020 15:45:00 | 64 | 6500.0 | 1587.5 | 0.0 | -1587.5 | 24.42 | 306.25 | 4.225 | 0.000000 |
| Koral 132kV | 06/01/2020 16:00:00 | 65 | 6500.0 | 1587.5 | 0.0 | -1587.5 | 24.42 | 306.25 | 2.895 | 0.000000 |
| Koral 132kV | 06/01/2020 16:15:00 | 66 | 6500.0 | 1587.5 | 0.0 | -1587.5 | 24.42 | 306.25 | 6.089 | 0.000000 |
| Koral 132kV | 06/01/2020 16:30:00 | 67 | 6500.0 | 1587.5 | 0.0 | -1587.5 | 24.42 | 306.25 | -8.000 | 0.000000 |
| Koral 132kV | 06/01/2020 16:45:00 | 68 | 6500.0 | 1725.0 | 0.0 | -1725.0 | 26.54 | 425.00 | -4.178 | 0.000000 |
| Koral 132kV | 06/01/2020 17:00:00 | 69 | 6500.0 | 1722.5 | 0.0 | -1722.5 | 26.5 | 422.50 | 1.742 | 0.000000 |
| Koral 132kV | 06/01/2020 17:15:00 | 70 | 6500.0 | 1570.0 | 0.0 | -1570.0 | 24.15 | 297.50 | 2.903 | 0.000000 |
| Koral 132kV | 06/01/2020 17:30:00 | 71 | 6500.0 | 1722.5 | 0.0 | -1722.5 | 26.5 | 422.50 | -4.178 | 0.000000 |
| Koral 132kV | 06/01/2020 17:45:00 | 72 | 6500.0 | 1695.0 | 0.0 | -1695.0 | 26.08 | 395.00 | -2.323 | 0.000000 |
| Koral 132kV | 06/01/2020 18:00:00 | 73 | 6500.0 | 1595.0 | 0.0 | -1595.0 | 24.54 | 310.00 | -2.903 | 0.000000 |
| Koral 132kV | 06/01/2020 18:15:00 | 74 | 6500.0 | 1530.0 | 0.0 | -1530.0 | 23.54 | 277.50 | 1.161 | 397.891017 |
| Koral 132kV | 06/01/2020 18:30:00 | 75 | 6500.0 | 1537.5 | 0.0 | -1537.5 | 23.65 | 281.25 | 2.903 | 1309.540441 |
| Koral 132kV | 06/01/2020 18:45:00 | 76 | 6500.0 | 1587.5 | 0.0 | -1587.5 | 24.42 | 306.25 | 2.903 | 32.009112 |
| Koral 132kV | 06/01/2020 19:00:00 | 77 | 6500.0 | 1612.5 | 0.0 | -1612.5 | 24.81 | 318.75 | -1.161 | 0.000000 |
| Koral 132kV | 06/01/2020 19:15:00 | 78 | 6500.0 | 1530.0 | 0.0 | -1530.0 | 23.54 | 277.50 | -4.178 | 0.000000 |
| Koral 132kV | 06/01/2020 19:30:00 | 79 | 6500.0 | 837.5 | 0.0 | -837.5 | 12.88 | 0.00 | -2.323 | 0.000000 |
| Koral 132kV | 06/01/2020 19:45:00 | 80 | 6500.0 | 837.5 | 0.0 | -837.5 | 12.88 | 0.00 | -4.178 | 0.000000 |
| Koral 132kV | 06/01/2020 20:00:00 | 81 | 6500.0 | 975.0 | 0.0 | -975.0 | 15.0 | 0.00 | -4.496 | 0.000000 |

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| Koral 132kV | 06/01/2020 20:15:00 | 82 | 6500.0 | 972.5 | 0.0 | -972.5 | 14.96 | 0.00 | -5.770 | 0.000000 |
| Koral 132kV | 06/01/2020 20:30:00 | 83 | 6500.0 | 820.0 | 0.0 | -820.0 | 12.62 | 0.00 | 5.770 | 111.727612 |
| Koral 132kV | 06/01/2020 20:45:00 | 84 | 6500.0 | 972.5 | 0.0 | -972.5 | 14.96 | 0.00 | 4.178 | 402.180609 |
| Koral 132kV | 06/01/2020 21:00:00 | 85 | 6500.0 | 2445.0 | 0.0 | -2445.0 | 37.62 | 1230.00 | 3.222 | 534.910849 |
| Koral 132kV | 06/01/2020 21:15:00 | 86 | 6500.0 | 2345.0 | 0.0 | -2345.0 | 36.08 | 1080.00 | -1.742 | 0.000000 |
| Koral 132kV | 06/01/2020 21:30:00 | 87 | 6500.0 | 2280.0 | 0.0 | -2280.0 | 35.08 | 982.50 | 0.000 | 0.000000 |
| Koral 132kV | 06/01/2020 21:45:00 | 88 | 6500.0 | 2287.5 | 0.0 | -2287.5 | 35.19 | 993.75 | 1.161 | 0.000000 |
| Koral 132kV | 06/01/2020 22:00:00 | 89 | 6500.0 | 2337.5 | 0.0 | -2337.5 | 35.96 | 1068.75 | 4.815 | 1368.669540 |
| Koral 132kV | 06/01/2020 22:15:00 | 90 | 6500.0 | 2362.5 | 0.0 | -2362.5 | 36.35 | 1106.25 | 3.859 | 1427.188725 |
| Koral 132kV | 06/01/2020 22:30:00 | 91 | 6500.0 | 2280.0 | 0.0 | -2280.0 | 35.08 | 982.50 | 1.742 | 0.000000 |
| Koral 132kV | 06/01/2020 22:45:00 | 92 | 6500.0 | 1587.5 | 0.0 | -1587.5 | 24.42 | 306.25 | -2.323 | 0.000000 |
| Koral 132kV | 06/01/2020 23:00:00 | 93 | 6500.0 | 1587.5 | 0.0 | -1587.5 | 24.42 | 306.25 | -2.903 | 0.000000 |
| Koral 132kV | 06/01/2020 23:15:00 | 94 | 6500.0 | 1725.0 | 0.0 | -1725.0 | 26.54 | 425.00 | 2.323 | 0.000000 |
| Koral 132kV | 06/01/2020 23:30:00 | 95 | 6500.0 | 1612.5 | 0.0 | -1612.5 | 24.81 | 318.75 | -3.222 | 0.000000 |
| Koral 132kV | 06/01/2020 23:45:00 | 96 | 6500.0 | 1635.0 | 0.0 | -1635.0 | 25.15 | 335.00 | 2.323 | 0.000000 |
| Koral 132kV | 07/01/2020 00:00:00 | 1 | 6500.0 | 5140.0 | 0.0 | -5140.0 | 79.08 | 5272.50 | -0.549 | 0.000000 |
| Koral 132kV | 07/01/2020 00:15:00 | 2 | 6500.0 | 4782.5 | 0.0 | -4782.5 | 73.58 | 4736.25 | -1.647 | 0.000000 |
| Koral 132kV | 07/01/2020 00:30:00 | 3 | 6500.0 | 4817.5 | 0.0 | -4817.5 | 74.12 | 4788.75 | -3.073 | 0.000000 |
| Koral 132kV | 07/01/2020 00:45:00 | 4 | 6500.0 | 4852.5 | 0.0 | -4852.5 | 74.65 | 4841.25 | -2.744 | 0.000000 |
| Koral 132kV | 07/01/2020 01:00:00 | 5 | 6500.0 | 4887.5 | 0.0 | -4887.5 | 75.19 | 4893.75 | -4.058 | 0.000000 |
| Koral 132kV | 07/01/2020 01:15:00 | 6 | 6500.0 | 4922.5 | 0.0 | -4922.5 | 75.73 | 4946.25 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Koral 132kV | 07/01/2020 01:30:00 | 7 | 6500.0 | 6025.0 | 0.0 | -6025.0 | 92.69 | 6600.00 | -3.401 | 0.000000 |
| Koral 132kV | 07/01/2020 01:45:00 | 8 | 6500.0 | 5217.5 | 0.0 | -5217.5 | 80.27 | 5388.75 | 3.730 | 0.000000 |
| Koral 132kV | 07/01/2020 02:00:00 | 9 | 6500.0 | 5870.0 | 0.0 | -5870.0 | 90.31 | 6367.50 | 3.073 | 1277.942753 |
| Koral 132kV | 07/01/2020 02:15:00 | 10 | 6500.0 | 5952.5 | 0.0 | -5952.5 | 91.58 | 6491.25 | 3.073 | 579.473959 |
| Koral 132kV | 07/01/2020 02:30:00 | 11 | 6500.0 | 6037.5 | 0.0 | -6037.5 | 92.88 | 6618.75 | 3.401 | 822.078475 |
| Koral 132kV | 07/01/2020 02:45:00 | 12 | 6500.0 | 6122.5 | 0.0 | -6122.5 | 94.19 | 6746.25 | 2.745 | 831.474308 |
| Koral 132kV | 07/01/2020 03:00:00 | 13 | 6500.0 | 5572.5 | 0.0 | -5572.5 | 85.73 | 5921.25 | 1.647 | 0.000000 |
| Koral 132kV | 07/01/2020 03:15:00 | 14 | 6500.0 | 5625.0 | 0.0 | -5625.0 | 86.54 | 6000.00 | 2.196 | 360.858842 |
| Koral 132kV | 07/01/2020 03:30:00 | 15 | 6500.0 | 5650.0 | 0.0 | -5650.0 | 86.92 | 6037.50 | 1.647 | 482.231303 |
| Koral 132kV | 07/01/2020 03:45:00 | 16 | 6500.0 | 5185.0 | 0.0 | -5185.0 | 79.77 | 5340.00 | 1.098 | 0.000000 |
| Koral 132kV | 07/01/2020 04:00:00 | 17 | 6500.0 | 5112.5 | 0.0 | -5112.5 | 78.65 | 5231.25 | 1.647 | 1872.197051 |
| Koral 132kV | 07/01/2020 04:15:00 | 18 | 6500.0 | 5210.0 | 0.0 | -5210.0 | 80.15 | 5377.50 | 2.210 | 3730.141751 |
| Koral 132kV | 07/01/2020 04:30:00 | 19 | 6500.0 | 5177.5 | 0.0 | -5177.5 | 79.65 | 5328.75 | 3.730 | 5234.409954 |
| Koral 132kV | 07/01/2020 04:45:00 | 20 | 6500.0 | 5070.0 | 0.0 | -5070.0 | 78.0 | 5167.50 | -1.098 | 0.000000 |
| Koral 132kV | 07/01/2020 05:00:00 | 21 | 6500.0 | 5160.0 | 0.0 | -5160.0 | 79.38 | 5302.50 | -2.744 | 0.000000 |
| Koral 132kV | 07/01/2020 05:15:00 | 22 | 6500.0 | 5052.5 | 0.0 | -5052.5 | 77.73 | 5141.25 | 3.730 | 2595.562501 |
| Koral 132kV | 07/01/2020 05:30:00 | 23 | 6500.0 | 5112.5 | 0.0 | -5112.5 | 78.65 | 5231.25 | 3.073 | 5900.337488 |
| Koral 132kV | 07/01/2020 05:45:00 | 24 | 6500.0 | 5177.5 | 0.0 | -5177.5 | 79.65 | 5328.75 | 3.730 | 4641.939647 |
| Koral 132kV | 07/01/2020 06:00:00 | 25 | 6500.0 | 1530.0 | 0.0 | -1530.0 | 23.54 | 277.50 | -5.372 | 0.000000 |
| Koral 132kV | 07/01/2020 06:15:00 | 26 | 6500.0 | 1537.5 | 0.0 | -1537.5 | 23.65 | 281.25 | 4.556 | 5123.100353 |
| Koral 132kV | 07/01/2020 06:30:00 | 27 | 6500.0 | 1587.5 | 0.0 | -1587.5 | 24.42 | 306.25 | 7.148 | 9158.587976 |

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| Koral 132kV | 07/01/2020 06:45:00 | 28 | 6500.0 | 1612.5 | 0.0 | -1612.5 | 24.81 | 318.75 | 7.821 | 8530.468948 |
| Koral 132kV | 07/01/2020 07:00:00 | 29 | 6500.0 | 1530.0 | 0.0 | -1530.0 | 23.54 | 277.50 | 5.372 | 4065.894881 |
| Koral 132kV | 07/01/2020 07:15:00 | 30 | 6500.0 | 1587.5 | 0.0 | -1587.5 | 24.42 | 306.25 | 16.000 | 0.000000 |
| Koral 132kV | 07/01/2020 07:30:00 | 31 | 6500.0 | 1587.5 | 0.0 | -1587.5 | 24.42 | 306.25 | 9.296 | 0.000000 |
| Koral 132kV | 07/01/2020 07:45:00 | 32 | 6500.0 | 1725.0 | 0.0 | -1725.0 | 26.54 | 425.00 | 9.794 | 0.000000 |
| Koral 132kV | 07/01/2020 08:00:00 | 33 | 6500.0 | 1612.5 | 0.0 | -1612.5 | 24.81 | 318.75 | 3.593 | 0.000000 |
| Koral 132kV | 07/01/2020 08:15:00 | 34 | 6500.0 | 1695.0 | 0.0 | -1695.0 | 26.08 | 395.00 | 3.401 | 0.000000 |
| Koral 132kV | 07/01/2020 08:30:00 | 35 | 6500.0 | 1587.5 | 0.0 | -1587.5 | 24.42 | 306.25 | 3.245 | 0.000000 |
| Koral 132kV | 07/01/2020 08:45:00 | 36 | 6500.0 | 1612.5 | 0.0 | -1612.5 | 24.81 | 318.75 | 0.000 | 0.000000 |
| Koral 132kV | 07/01/2020 09:00:00 | 37 | 6500.0 | 1530.0 | 0.0 | -1530.0 | 23.54 | 277.50 | 2.745 | 0.000000 |
| Koral 132kV | 07/01/2020 09:15:00 | 38 | 6500.0 | 1780.0 | 0.0 | -1780.0 | 27.38 | 480.00 | 4.715 | 0.000000 |
| Koral 132kV | 07/01/2020 09:30:00 | 39 | 6500.0 | 1777.5 | 0.0 | -1777.5 | 27.35 | 477.50 | 3.981 | 0.000000 |
| Koral 132kV | 07/01/2020 09:45:00 | 40 | 6500.0 | 1725.0 | 0.0 | -1725.0 | 26.54 | 425.00 | 3.730 | 0.000000 |
| Koral 132kV | 07/01/2020 10:00:00 | 41 | 6500.0 | 1722.5 | 0.0 | -1722.5 | 26.5 | 422.50 | 1.780 | 0.000000 |
| Koral 132kV | 07/01/2020 10:15:00 | 42 | 6500.0 | 1570.0 | 0.0 | -1570.0 | 24.15 | 297.50 | 5.643 | 0.000000 |
| Koral 132kV | 07/01/2020 10:30:00 | 43 | 6500.0 | 1722.5 | 0.0 | -1722.5 | 26.5 | 422.50 | 4.976 | 0.000000 |
| Koral 132kV | 07/01/2020 10:45:00 | 44 | 6500.0 | 1695.0 | 0.0 | -1695.0 | 26.08 | 395.00 | 4.415 | 0.000000 |
| Koral 132kV | 07/01/2020 11:00:00 | 45 | 6500.0 | 1595.0 | 0.0 | -1595.0 | 24.54 | 310.00 | 4.476 | 0.000000 |
| Koral 132kV | 07/01/2020 11:15:00 | 46 | 6500.0 | 1530.0 | 0.0 | -1530.0 | 23.54 | 277.50 | 4.826 | 0.000000 |
| Koral 132kV | 07/01/2020 11:30:00 | 47 | 6500.0 | 1537.5 | 0.0 | -1537.5 | 23.65 | 281.25 | 2.289 | 0.000000 |
| Koral 132kV | 07/01/2020 11:45:00 | 48 | 6500.0 | 1587.5 | 0.0 | -1587.5 | 24.42 | 306.25 | -0.549 | 0.000000 |

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| Koral 132kV | 07/01/2020 12:00:00 | 49 | 6500.0 | 1612.5 | 0.0 | -1612.5 | 24.81 | 318.75 | 4.727 | 0.000000 |
| Koral 132kV | 07/01/2020 12:15:00 | 50 | 6500.0 | 1530.0 | 0.0 | -1530.0 | 23.54 | 277.50 | 4.777 | 0.000000 |
| Koral 132kV | 07/01/2020 12:30:00 | 51 | 6500.0 | 1587.5 | 0.0 | -1587.5 | 24.42 | 306.25 | 4.798 | 0.000000 |
| Koral 132kV | 07/01/2020 12:45:00 | 52 | 6500.0 | 1587.5 | 0.0 | -1587.5 | 24.42 | 306.25 | -3.401 | 0.000000 |
| Koral 132kV | 07/01/2020 13:00:00 | 53 | 6500.0 | 1725.0 | 0.0 | -1725.0 | 26.54 | 425.00 | -2.431 | 0.000000 |
| Koral 132kV | 07/01/2020 13:15:00 | 54 | 6500.0 | 1722.5 | 0.0 | -1722.5 | 26.5 | 422.50 | -4.387 | 0.000000 |
| Koral 132kV | 07/01/2020 13:30:00 | 55 | 6500.0 | 1570.0 | 0.0 | -1570.0 | 24.15 | 297.50 | -3.401 | 0.000000 |
| Koral 132kV | 07/01/2020 13:45:00 | 56 | 6500.0 | 1722.5 | 0.0 | -1722.5 | 26.5 | 422.50 | -5.044 | 0.000000 |
| Koral 132kV | 07/01/2020 14:00:00 | 57 | 6500.0 | 1695.0 | 0.0 | -1695.0 | 26.08 | 395.00 | 4.215 | 0.000000 |
| Koral 132kV | 07/01/2020 14:15:00 | 58 | 6500.0 | 1595.0 | 0.0 | -1595.0 | 24.54 | 310.00 | 9.552 | 0.000000 |
| Koral 132kV | 07/01/2020 14:30:00 | 59 | 6500.0 | 1530.0 | 0.0 | -1530.0 | 23.54 | 277.50 | 6.358 | 0.000000 |
| Koral 132kV | 07/01/2020 14:45:00 | 60 | 6500.0 | 1537.5 | 0.0 | -1537.5 | 23.65 | 281.25 | 2.744 | 0.000000 |
| Koral 132kV | 07/01/2020 15:00:00 | 61 | 6500.0 | 1337.5 | 0.0 | -1337.5 | 20.58 | 181.25 | -3.073 | 0.000000 |
| Koral 132kV | 07/01/2020 15:15:00 | 62 | 6500.0 | 1362.5 | 0.0 | -1362.5 | 20.96 | 193.75 | -4.058 | 0.000000 |
| Koral 132kV | 07/01/2020 15:30:00 | 63 | 6500.0 | 1280.0 | 0.0 | -1280.0 | 19.69 | 152.50 | -4.831 | 0.000000 |
| Koral 132kV | 07/01/2020 15:45:00 | 64 | 6500.0 | 1337.5 | 0.0 | -1337.5 | 20.58 | 181.25 | -5.372 | 0.000000 |
| Koral 132kV | 07/01/2020 16:00:00 | 65 | 6500.0 | 1337.5 | 0.0 | -1337.5 | 20.58 | 181.25 | 2.196 | 0.000000 |
| Koral 132kV | 07/01/2020 16:15:00 | 66 | 6500.0 | 1475.0 | 0.0 | -1475.0 | 22.69 | 250.00 | -3.401 | 0.000000 |
| Koral 132kV | 07/01/2020 16:30:00 | 67 | 6500.0 | 1612.5 | 0.0 | -1612.5 | 24.81 | 318.75 | 4.738 | 0.000000 |
| Koral 132kV | 07/01/2020 16:45:00 | 68 | 6500.0 | 1695.0 | 0.0 | -1695.0 | 26.08 | 395.00 | 7.343 | 0.000000 |
| Koral 132kV | 07/01/2020 17:00:00 | 69 | 6500.0 | 1722.5 | 0.0 | -1722.5 | 26.5 | 422.50 | 1.647 | 0.000000 |

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| Koral 132kV | 07/01/2020 17:15:00 | 70 | 6500.0 | 1570.0 | 0.0 | -1570.0 | 24.15 | 297.50 | 2.744 | 261.163420 |
| Koral 132kV | 07/01/2020 17:30:00 | 71 | 6500.0 | 1722.5 | 0.0 | -1722.5 | 26.5 | 422.50 | 3.401 | 113.735708 |
| Koral 132kV | 07/01/2020 17:45:00 | 72 | 6500.0 | 1695.0 | 0.0 | -1695.0 | 26.08 | 395.00 | -2.745 | 0.000000 |
| Koral 132kV | 07/01/2020 18:00:00 | 73 | 6500.0 | 1595.0 | 0.0 | -1595.0 | 24.54 | 310.00 | -3.073 | 0.000000 |
| Koral 132kV | 07/01/2020 18:15:00 | 74 | 6500.0 | 1530.0 | 0.0 | -1530.0 | 23.54 | 277.50 | -5.372 | 0.000000 |
| Koral 132kV | 07/01/2020 18:30:00 | 75 | 6500.0 | 1537.5 | 0.0 | -1537.5 | 23.65 | 281.25 | 3.401 | 0.000000 |
| Koral 132kV | 07/01/2020 18:45:00 | 76 | 6500.0 | 1587.5 | 0.0 | -1587.5 | 24.42 | 306.25 | -3.401 | 0.000000 |
| Koral 132kV | 07/01/2020 19:00:00 | 77 | 6500.0 | 1612.5 | 0.0 | -1612.5 | 24.81 | 318.75 | -3.730 | 0.000000 |
| Koral 132kV | 07/01/2020 19:15:00 | 78 | 6500.0 | 1530.0 | 0.0 | -1530.0 | 23.54 | 277.50 | -4.715 | 0.000000 |
| Koral 132kV | 07/01/2020 19:30:00 | 79 | 6500.0 | 1087.5 | 0.0 | -1087.5 | 16.73 | 56.25 | -4.058 | 0.000000 |
| Koral 132kV | 07/01/2020 19:45:00 | 80 | 6500.0 | 1087.5 | 0.0 | -1087.5 | 16.73 | 56.25 | -2.210 | 0.000000 |
| Koral 132kV | 07/01/2020 20:00:00 | 81 | 6500.0 | 1225.0 | 0.0 | -1225.0 | 18.85 | 125.00 | -2.348 | 0.000000 |
| Koral 132kV | 07/01/2020 20:15:00 | 82 | 6500.0 | 1222.5 | 0.0 | -1222.5 | 18.81 | 123.75 | 4.387 | 1907.897124 |
| Koral 132kV | 07/01/2020 20:30:00 | 83 | 6500.0 | 1070.0 | 0.0 | -1070.0 | 16.46 | 47.50 | 3.816 | 2183.537267 |
| Koral 132kV | 07/01/2020 20:45:00 | 84 | 6500.0 | 1222.5 | 0.0 | -1222.5 | 18.81 | 123.75 | 3.401 | 600.658302 |
| Koral 132kV | 07/01/2020 21:00:00 | 85 | 6500.0 | 887.5 | 0.0 | -887.5 | 13.65 | 0.00 | -4.058 | 0.000000 |
| Koral 132kV | 07/01/2020 21:15:00 | 86 | 6500.0 | 845.0 | 0.0 | -845.0 | 13.0 | 0.00 | 1.647 | 447.879668 |
| Koral 132kV | 07/01/2020 21:30:00 | 87 | 6500.0 | 780.0 | 0.0 | -780.0 | 12.0 | 0.00 | 2.196 | 248.729524 |
| Koral 132kV | 07/01/2020 21:45:00 | 88 | 6500.0 | 787.5 | 0.0 | -787.5 | 12.12 | 0.00 | -2.196 | 0.000000 |
| Koral 132kV | 07/01/2020 22:00:00 | 89 | 6500.0 | 837.5 | 0.0 | -837.5 | 12.88 | 0.00 | -3.257 | 0.000000 |
| Koral 132kV | 07/01/2020 22:15:00 | 90 | 6500.0 | 862.5 | 0.0 | -862.5 | 13.27 | 0.00 | -1.900 | 0.000000 |

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| Koral 132kV | 07/01/2020 22:30:00 | 91 | 6500.0 | 5030.0 | 0.0 | -5030.0 | 77.38 | 5107.50 | -1.098 | 0.000000 |
| Koral 132kV | 07/01/2020 22:45:00 | 92 | 6500.0 | 5087.5 | 0.0 | -5087.5 | 78.27 | 5193.75 | -1.647 | 0.000000 |
| Koral 132kV | 07/01/2020 23:00:00 | 93 | 6500.0 | 5087.5 | 0.0 | -5087.5 | 78.27 | 5193.75 | -3.401 | 0.000000 |
| Koral 132kV | 07/01/2020 23:15:00 | 94 | 6500.0 | 5225.0 | 0.0 | -5225.0 | 80.38 | 5400.00 | 1.647 | 0.000000 |
| Koral 132kV | 07/01/2020 23:30:00 | 95 | 6500.0 | 5112.5 | 0.0 | -5112.5 | 78.65 | 5231.25 | -2.196 | 0.000000 |
| Koral 132kV | 07/01/2020 23:45:00 | 96 | 6500.0 | 5135.0 | 0.0 | -5135.0 | 79.0 | 5265.00 | -0.549 | 0.000000 |
| Koral 132kV | 08/01/2020 00:00:00 | 1 | 6500.0 | 837.5 | 0.0 | -837.5 | 12.88 | 0.00 | -2.220 | 0.000000 |
| Koral 132kV | 08/01/2020 00:15:00 | 2 | 6500.0 | 862.5 | 0.0 | -862.5 | 13.27 | 0.00 | -3.101 | 0.000000 |
| Koral 132kV | 08/01/2020 00:30:00 | 3 | 6500.0 | 780.0 | 0.0 | -780.0 | 12.0 | 0.00 | -3.101 | 0.000000 |
| Koral 132kV | 08/01/2020 00:45:00 | 4 | 6500.0 | 837.5 | 0.0 | -837.5 | 12.88 | 0.00 | -2.424 | 0.000000 |
| Koral 132kV | 08/01/2020 01:00:00 | 5 | 6500.0 | 837.5 | 0.0 | -837.5 | 12.88 | 0.00 | -2.170 | 0.000000 |
| Koral 132kV | 08/01/2020 01:15:00 | 6 | 6500.0 | 5570.0 | 0.0 | -5570.0 | 85.69 | 5917.50 | -1.761 | 0.000000 |
| Koral 132kV | 08/01/2020 01:30:00 | 7 | 6500.0 | 5660.0 | 0.0 | -5660.0 | 87.08 | 6052.50 | -1.665 | 0.000000 |
| Koral 132kV | 08/01/2020 01:45:00 | 8 | 6500.0 | 5552.5 | 0.0 | -5552.5 | 85.42 | 5891.25 | -1.665 | 0.000000 |
| Koral 132kV | 08/01/2020 02:00:00 | 9 | 6500.0 | 5612.5 | 0.0 | -5612.5 | 86.35 | 5981.25 | -1.110 | 0.000000 |
| Koral 132kV | 08/01/2020 02:15:00 | 10 | 6500.0 | 5677.5 | 0.0 | -5677.5 | 87.35 | 6078.75 | -1.347 | 0.000000 |
| Koral 132kV | 08/01/2020 02:30:00 | 11 | 6500.0 | 5685.0 | 0.0 | -5685.0 | 87.46 | 6090.00 | -3.101 | 0.000000 |
| Koral 132kV | 08/01/2020 02:45:00 | 12 | 6500.0 | 5612.5 | 0.0 | -5612.5 | 86.35 | 5981.25 | -2.220 | 0.000000 |
| Koral 132kV | 08/01/2020 03:00:00 | 13 | 6500.0 | 5710.0 | 0.0 | -5710.0 | 87.85 | 6127.50 | -3.428 | 0.000000 |
| Koral 132kV | 08/01/2020 03:15:00 | 14 | 6500.0 | 5677.5 | 0.0 | -5677.5 | 87.35 | 6078.75 | -2.220 | 0.000000 |
| Koral 132kV | 08/01/2020 03:30:00 | 15 | 6500.0 | 5570.0 | 0.0 | -5570.0 | 85.69 | 5917.50 | -2.220 | 0.000000 |

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| Koral 132kV | 08/01/2020 03:45:00 | 16 | 6500.0 | 5660.0 | 0.0 | -5660.0 | 87.08 | 6052.50 | -2.775 | 0.000000 |
| Koral 132kV | 08/01/2020 04:00:00 | 17 | 6500.0 | 5552.5 | 0.0 | -5552.5 | 85.42 | 5891.25 | -3.101 | 0.000000 |
| Koral 132kV | 08/01/2020 04:15:00 | 18 | 6500.0 | 5612.5 | 0.0 | -5612.5 | 86.35 | 5981.25 | -1.665 | 0.000000 |
| Koral 132kV | 08/01/2020 04:30:00 | 19 | 6500.0 | 5677.5 | 0.0 | -5677.5 | 87.35 | 6078.75 | -2.220 | 0.000000 |
| Koral 132kV | 08/01/2020 04:45:00 | 20 | 6500.0 | 5570.0 | 0.0 | -5570.0 | 85.69 | 5917.50 | -2.775 | 0.000000 |
| Koral 132kV | 08/01/2020 05:00:00 | 21 | 6500.0 | 5660.0 | 0.0 | -5660.0 | 87.08 | 6052.50 | -1.110 | 0.000000 |
| Koral 132kV | 08/01/2020 05:15:00 | 22 | 6500.0 | 5552.5 | 0.0 | -5552.5 | 85.42 | 5891.25 | 2.775 | 267.564182 |
| Koral 132kV | 08/01/2020 05:30:00 | 23 | 6500.0 | 5612.5 | 0.0 | -5612.5 | 86.35 | 5981.25 | -3.428 | 0.000000 |
| Koral 132kV | 08/01/2020 05:45:00 | 24 | 6500.0 | 3927.5 | 0.0 | -3927.5 | 60.42 | 3453.75 | -2.775 | 0.000000 |
| Koral 132kV | 08/01/2020 06:00:00 | 25 | 6500.0 | 3935.0 | 0.0 | -3935.0 | 60.54 | 3465.00 | -2.220 | 0.000000 |
| Koral 132kV | 08/01/2020 06:15:00 | 26 | 6500.0 | 3862.5 | 0.0 | -3862.5 | 59.42 | 3356.25 | 2.220 | 790.827277 |
| Koral 132kV | 08/01/2020 06:30:00 | 27 | 6500.0 | 3960.0 | 0.0 | -3960.0 | 60.92 | 3502.50 | 5.387 | 7127.850851 |
| Koral 132kV | 08/01/2020 06:45:00 | 28 | 6500.0 | 3927.5 | 0.0 | -3927.5 | 60.42 | 3453.75 | -4.734 | 0.000000 |
| Koral 132kV | 08/01/2020 07:00:00 | 29 | 6500.0 | 3820.0 | 0.0 | -3820.0 | 58.77 | 3292.50 | -4.407 | 0.000000 |
| Koral 132kV | 08/01/2020 07:15:00 | 30 | 6500.0 | 3910.0 | 0.0 | -3910.0 | 60.15 | 3427.50 | 5.061 | 6891.701829 |
| Koral 132kV | 08/01/2020 07:30:00 | 31 | 6500.0 | 3802.5 | 0.0 | -3802.5 | 58.5 | 3266.25 | 5.714 | 6412.917071 |
| Koral 132kV | 08/01/2020 07:45:00 | 32 | 6500.0 | 3862.5 | 0.0 | -3862.5 | 59.42 | 3356.25 | 5.061 | 2560.970376 |
| Koral 132kV | 08/01/2020 08:00:00 | 33 | 6500.0 | 3927.5 | 0.0 | -3927.5 | 60.42 | 3453.75 | 2.775 | 0.000000 |
| Koral 132kV | 08/01/2020 08:15:00 | 34 | 6500.0 | 3935.0 | 0.0 | -3935.0 | 60.54 | 3465.00 | 2.775 | 0.000000 |
| Koral 132kV | 08/01/2020 08:30:00 | 35 | 6500.0 | 3862.5 | 0.0 | -3862.5 | 59.42 | 3356.25 | 5.387 | 0.000000 |
| Koral 132kV | 08/01/2020 08:45:00 | 36 | 6500.0 | 3960.0 | 0.0 | -3960.0 | 60.92 | 3502.50 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Koral 132kV | 08/01/2020 09:00:00 | 37 | 6500.0 | 3927.5 | 0.0 | -3927.5 | 60.42 | 3453.75 | 7.673 | 0.000000 |
| Koral 132kV | 08/01/2020 09:15:00 | 38 | 6500.0 | 3820.0 | 0.0 | -3820.0 | 58.77 | 3292.50 | 7.673 | 0.000000 |
| Koral 132kV | 08/01/2020 09:30:00 | 39 | 6500.0 | 3910.0 | 0.0 | -3910.0 | 60.15 | 3427.50 | 3.101 | 0.000000 |
| Koral 132kV | 08/01/2020 09:45:00 | 40 | 6500.0 | 3802.5 | 0.0 | -3802.5 | 58.5 | 3266.25 | -3.101 | 0.000000 |
| Koral 132kV | 08/01/2020 10:00:00 | 41 | 6500.0 | 3862.5 | 0.0 | -3862.5 | 59.42 | 3356.25 | -3.101 | 0.000000 |
| Koral 132kV | 08/01/2020 10:15:00 | 42 | 6500.0 | 3927.5 | 0.0 | -3927.5 | 60.42 | 3453.75 | -3.101 | 0.000000 |
| Koral 132kV | 08/01/2020 10:30:00 | 43 | 6500.0 | 3935.0 | 0.0 | -3935.0 | 60.54 | 3465.00 | -1.665 | 0.000000 |
| Koral 132kV | 08/01/2020 10:45:00 | 44 | 6500.0 | 3862.5 | 0.0 | -3862.5 | 59.42 | 3356.25 | 0.000 | 0.000000 |
| Koral 132kV | 08/01/2020 11:00:00 | 45 | 6500.0 | 3960.0 | 0.0 | -3960.0 | 60.92 | 3502.50 | -1.486 | 0.000000 |
| Koral 132kV | 08/01/2020 11:15:00 | 46 | 6500.0 | 3927.5 | 0.0 | -3927.5 | 60.42 | 3453.75 | -1.305 | 0.000000 |
| Koral 132kV | 08/01/2020 11:30:00 | 47 | 6500.0 | 3820.0 | 0.0 | -3820.0 | 58.77 | 3292.50 | -2.425 | 0.000000 |
| Koral 132kV | 08/01/2020 11:45:00 | 48 | 6500.0 | 3910.0 | 0.0 | -3910.0 | 60.15 | 3427.50 | -2.775 | 0.000000 |
| Koral 132kV | 08/01/2020 12:00:00 | 49 | 6500.0 | 2802.5 | 0.0 | -2802.5 | 43.12 | 1766.25 | -2.083 | 0.000000 |
| Koral 132kV | 08/01/2020 12:15:00 | 50 | 6500.0 | 2862.5 | 0.0 | -2862.5 | 44.04 | 1856.25 | -3.242 | 0.000000 |
| Koral 132kV | 08/01/2020 12:30:00 | 51 | 6500.0 | 2927.5 | 0.0 | -2927.5 | 45.04 | 1953.75 | -1.330 | 0.000000 |
| Koral 132kV | 08/01/2020 12:45:00 | 52 | 6500.0 | 2802.5 | 0.0 | -2802.5 | 43.12 | 1766.25 | -0.830 | 0.000000 |
| Koral 132kV | 08/01/2020 13:00:00 | 53 | 6500.0 | 2862.5 | 0.0 | -2862.5 | 44.04 | 1856.25 | 2.775 | 0.000000 |
| Koral 132kV | 08/01/2020 13:15:00 | 54 | 6500.0 | 2927.5 | 0.0 | -2927.5 | 45.04 | 1953.75 | 0.000 | 0.000000 |
| Koral 132kV | 08/01/2020 13:30:00 | 55 | 6500.0 | 1237.5 | 0.0 | -1237.5 | 19.04 | 131.25 | -1.012 | 0.000000 |
| Koral 132kV | 08/01/2020 13:45:00 | 56 | 6500.0 | 1237.5 | 0.0 | -1237.5 | 19.04 | 131.25 | -1.087 | 0.000000 |
| Koral 132kV | 08/01/2020 14:00:00 | 57 | 6500.0 | 1335.0 | 0.0 | -1335.0 | 20.54 | 180.00 | -3.101 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Koral 132kV | 08/01/2020 14:15:00 | 58 | 6500.0 | 1302.5 | 0.0 | -1302.5 | 20.04 | 163.75 | -4.081 | 0.000000 |
| Koral 132kV | 08/01/2020 14:30:00 | 59 | 6500.0 | 1195.0 | 0.0 | -1195.0 | 18.38 | 110.00 | -2.996 | 0.000000 |
| Koral 132kV | 08/01/2020 14:45:00 | 60 | 6500.0 | 1285.0 | 0.0 | -1285.0 | 19.77 | 155.00 | -3.101 | 0.000000 |
| Koral 132kV | 08/01/2020 15:00:00 | 61 | 6500.0 | 1177.5 | 0.0 | -1177.5 | 18.12 | 101.25 | -1.879 | 0.000000 |
| Koral 132kV | 08/01/2020 15:15:00 | 62 | 6500.0 | 1237.5 | 0.0 | -1237.5 | 19.04 | 131.25 | -4.081 | 0.000000 |
| Koral 132kV | 08/01/2020 15:30:00 | 63 | 6500.0 | 1302.5 | 0.0 | -1302.5 | 20.04 | 163.75 | 4.938 | 0.000000 |
| Koral 132kV | 08/01/2020 15:45:00 | 64 | 6500.0 | 1177.5 | 0.0 | -1177.5 | 18.12 | 101.25 | 4.719 | 0.000000 |
| Koral 132kV | 08/01/2020 16:00:00 | 65 | 6500.0 | 1237.5 | 0.0 | -1237.5 | 19.04 | 131.25 | 0.555 | 0.000000 |
| Koral 132kV | 08/01/2020 16:15:00 | 66 | 6500.0 | 1237.5 | 0.0 | -1237.5 | 19.04 | 131.25 | -4.081 | 0.000000 |
| Koral 132kV | 08/01/2020 16:30:00 | 67 | 6500.0 | 1335.0 | 0.0 | -1335.0 | 20.54 | 180.00 | -3.754 | 0.000000 |
| Koral 132kV | 08/01/2020 16:45:00 | 68 | 6500.0 | 1302.5 | 0.0 | -1302.5 | 20.04 | 163.75 | -8.000 | 0.000000 |
| Koral 132kV | 08/01/2020 17:00:00 | 69 | 6500.0 | 1195.0 | 0.0 | -1195.0 | 18.38 | 110.00 | 0.000 | 0.000000 |
| Koral 132kV | 08/01/2020 17:15:00 | 70 | 6500.0 | 1285.0 | 0.0 | -1285.0 | 19.77 | 155.00 | 4.081 | 246.495621 |
| Koral 132kV | 08/01/2020 17:30:00 | 71 | 6500.0 | 1177.5 | 0.0 | -1177.5 | 18.12 | 101.25 | -5.387 | 0.000000 |
| Koral 132kV | 08/01/2020 17:45:00 | 72 | 6500.0 | 1237.5 | 0.0 | -1237.5 | 19.04 | 131.25 | -3.101 | 0.000000 |
| Koral 132kV | 08/01/2020 18:00:00 | 73 | 6500.0 | 1302.5 | 0.0 | -1302.5 | 20.04 | 163.75 | -2.775 | 0.000000 |
| Koral 132kV | 08/01/2020 18:15:00 | 74 | 6500.0 | 1177.5 | 0.0 | -1177.5 | 18.12 | 101.25 | -3.101 | 0.000000 |
| Koral 132kV | 08/01/2020 18:30:00 | 75 | 6500.0 | 1237.5 | 0.0 | -1237.5 | 19.04 | 131.25 | -2.220 | 0.000000 |
| Koral 132kV | 08/01/2020 18:45:00 | 76 | 6500.0 | 1237.5 | 0.0 | -1237.5 | 19.04 | 131.25 | 2.220 | 975.489690 |
| Koral 132kV | 08/01/2020 19:00:00 | 77 | 6500.0 | 1335.0 | 0.0 | -1335.0 | 20.54 | 180.00 | 1.110 | 0.000000 |
| Koral 132kV | 08/01/2020 19:15:00 | 78 | 6500.0 | 1302.5 | 0.0 | -1302.5 | 20.04 | 163.75 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Koral 132kV | 08/01/2020 19:30:00 | 79 | 6500.0 | 2162.5 | 0.0 | -2162.5 | 33.27 | 862.50 | -2.220 | 0.000000 |
| Koral 132kV | 08/01/2020 19:45:00 | 80 | 6500.0 | 2245.0 | 0.0 | -2245.0 | 34.54 | 945.00 | -0.555 | 0.000000 |
| Koral 132kV | 08/01/2020 20:00:00 | 81 | 6500.0 | 2307.5 | 0.0 | -2307.5 | 35.5 | 1023.75 | 2.775 | 0.000000 |
| Koral 132kV | 08/01/2020 20:15:00 | 82 | 6500.0 | 2445.0 | 0.0 | -2445.0 | 37.62 | 1230.00 | 3.101 | 4088.239225 |
| Koral 132kV | 08/01/2020 20:30:00 | 83 | 6500.0 | 2495.0 | 0.0 | -2495.0 | 38.38 | 1305.00 | 4.408 | 5651.695890 |
| Koral 132kV | 08/01/2020 20:45:00 | 84 | 6500.0 | 2530.0 | 0.0 | -2530.0 | 38.92 | 1357.50 | 3.101 | 1655.631868 |
| Koral 132kV | 08/01/2020 21:00:00 | 85 | 6500.0 | 3807.5 | 0.0 | -3807.5 | 58.58 | 3273.75 | 3.101 | 0.000000 |
| Koral 132kV | 08/01/2020 21:15:00 | 86 | 6500.0 | 4062.5 | 0.0 | -4062.5 | 62.5 | 3656.25 | -0.555 | 0.000000 |
| Koral 132kV | 08/01/2020 21:30:00 | 87 | 6500.0 | 4340.0 | 0.0 | -4340.0 | 66.77 | 4072.50 | -1.110 | 0.000000 |
| Koral 132kV | 08/01/2020 21:45:00 | 88 | 6500.0 | 4562.5 | 0.0 | -4562.5 | 70.19 | 4406.25 | -1.110 | 0.000000 |
| Koral 132kV | 08/01/2020 22:00:00 | 89 | 6500.0 | 4870.0 | 0.0 | -4870.0 | 74.92 | 4867.50 | -2.489 | 0.000000 |
| Koral 132kV | 08/01/2020 22:15:00 | 90 | 6500.0 | 5037.5 | 0.0 | -5037.5 | 77.5 | 5118.75 | -2.775 | 0.000000 |
| Koral 132kV | 08/01/2020 22:30:00 | 91 | 6500.0 | 3057.5 | 0.0 | -3057.5 | 47.04 | 2148.75 | -2.223 | 0.000000 |
| Koral 132kV | 08/01/2020 22:45:00 | 92 | 6500.0 | 3312.5 | 0.0 | -3312.5 | 50.96 | 2531.25 | 1.110 | 0.000000 |
| Koral 132kV | 08/01/2020 23:00:00 | 93 | 6500.0 | 3590.0 | 0.0 | -3590.0 | 55.23 | 2947.50 | 1.110 | 383.272003 |
| Koral 132kV | 08/01/2020 23:15:00 | 94 | 6500.0 | 3812.5 | 0.0 | -3812.5 | 58.65 | 3281.25 | 1.110 | 0.000000 |
| Koral 132kV | 08/01/2020 23:30:00 | 95 | 6500.0 | 4120.0 | 0.0 | -4120.0 | 63.38 | 3742.50 | 2.775 | 37.452940 |
| Koral 132kV | 08/01/2020 23:45:00 | 96 | 6500.0 | 4287.5 | 0.0 | -4287.5 | 65.96 | 3993.75 | 0.000 | 0.000000 |
| Koral 132kV | 09/01/2020 00:00:00 | 1 | 6500.0 | 2862.5 | 0.0 | -2862.5 | 44.04 | 1856.25 | -0.576 | 0.000000 |
| Koral 132kV | 09/01/2020 00:15:00 | 2 | 6500.0 | 2927.5 | 0.0 | -2927.5 | 45.04 | 1953.75 | -1.727 | 0.000000 |
| Koral 132kV | 09/01/2020 00:30:00 | 3 | 6500.0 | 2862.5 | 0.0 | -2862.5 | 44.04 | 1856.25 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Koral 132kV | 09/01/2020 00:45:00 | 4 | 6500.0 | 2862.5 | 0.0 | -2862.5 | 44.04 | 1856.25 | -2.879 | 0.000000 |
| Koral 132kV | 09/01/2020 01:00:00 | 5 | 6500.0 | 912.5 | 0.0 | -912.5 | 14.04 | 0.00 | -3.519 | 0.000000 |
| Koral 132kV | 09/01/2020 01:15:00 | 6 | 6500.0 | 905.0 | 0.0 | -905.0 | 13.92 | 0.00 | -3.519 | 0.000000 |
| Koral 132kV | 09/01/2020 01:30:00 | 7 | 6500.0 | 920.0 | 0.0 | -920.0 | 14.15 | 0.00 | -3.199 | 0.000000 |
| Koral 132kV | 09/01/2020 01:45:00 | 8 | 6500.0 | 910.0 | 0.0 | -910.0 | 14.0 | 0.00 | 3.519 | 221.118661 |
| Koral 132kV | 09/01/2020 02:00:00 | 9 | 6500.0 | 922.5 | 0.0 | -922.5 | 14.19 | 0.00 | 3.519 | 1015.587606 |
| Koral 132kV | 09/01/2020 02:15:00 | 10 | 6500.0 | 912.5 | 0.0 | -912.5 | 14.04 | 0.00 | 2.879 | 440.589076 |
| Koral 132kV | 09/01/2020 02:30:00 | 11 | 6500.0 | 912.5 | 0.0 | -912.5 | 14.04 | 0.00 | 3.199 | 633.902078 |
| Koral 132kV | 09/01/2020 02:45:00 | 12 | 6500.0 | 920.0 | 0.0 | -920.0 | 14.15 | 0.00 | 1.152 | 0.000000 |
| Koral 132kV | 09/01/2020 03:00:00 | 13 | 6500.0 | 907.5 | 0.0 | -907.5 | 13.96 | 0.00 | -2.879 | 0.000000 |
| Koral 132kV | 09/01/2020 03:15:00 | 14 | 6500.0 | 912.5 | 0.0 | -912.5 | 14.04 | 0.00 | -3.839 | 0.000000 |
| Koral 132kV | 09/01/2020 03:30:00 | 15 | 6500.0 | 890.0 | 0.0 | -890.0 | 13.69 | 0.00 | 3.199 | 0.000000 |
| Koral 132kV | 09/01/2020 03:45:00 | 16 | 6500.0 | 885.0 | 0.0 | -885.0 | 13.62 | 0.00 | 0.000 | 0.000000 |
| Koral 132kV | 09/01/2020 04:00:00 | 17 | 6500.0 | 880.0 | 0.0 | -880.0 | 13.54 | 0.00 | 1.727 | 0.000000 |
| Koral 132kV | 09/01/2020 04:15:00 | 18 | 6500.0 | 897.5 | 0.0 | -897.5 | 13.81 | 0.00 | 1.727 | 0.000000 |
| Koral 132kV | 09/01/2020 04:30:00 | 19 | 6500.0 | 890.0 | 0.0 | -890.0 | 13.69 | 0.00 | 1.727 | 0.000000 |
| Koral 132kV | 09/01/2020 04:45:00 | 20 | 6500.0 | 892.5 | 0.0 | -892.5 | 13.73 | 0.00 | 2.879 | 769.165499 |
| Koral 132kV | 09/01/2020 05:00:00 | 21 | 6500.0 | 895.0 | 0.0 | -895.0 | 13.77 | 0.00 | 3.839 | 446.764944 |
| Koral 132kV | 09/01/2020 05:15:00 | 22 | 6500.0 | 897.5 | 0.0 | -897.5 | 13.81 | 0.00 | 5.119 | 1266.823706 |
| Koral 132kV | 09/01/2020 05:30:00 | 23 | 6500.0 | 2245.0 | 0.0 | -2245.0 | 34.54 | 945.00 | 4.064 | 5775.046840 |
| Koral 132kV | 09/01/2020 05:45:00 | 24 | 6500.0 | 2237.5 | 0.0 | -2237.5 | 34.42 | 937.50 | 1.152 | 15.785209 |

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| Koral 132kV | 09/01/2020 06:00:00 | 25 | 6500.0 | 2240.0 | 0.0 | -2240.0 | 34.46 | 940.00 | -2.303 | 0.000000 |
| Koral 132kV | 09/01/2020 06:15:00 | 26 | 6500.0 | 2162.5 | 0.0 | -2162.5 | 33.27 | 862.50 | 2.303 | 1438.384887 |
| Koral 132kV | 09/01/2020 06:30:00 | 27 | 6500.0 | 2135.0 | 0.0 | -2135.0 | 32.85 | 835.00 | -3.839 | 0.000000 |
| Koral 132kV | 09/01/2020 06:45:00 | 28 | 6500.0 | 2140.0 | 0.0 | -2140.0 | 32.92 | 840.00 | -2.879 | 0.000000 |
| Koral 132kV | 09/01/2020 07:00:00 | 29 | 6500.0 | 2340.0 | 0.0 | -2340.0 | 36.0 | 1072.50 | -2.879 | 0.000000 |
| Koral 132kV | 09/01/2020 07:15:00 | 30 | 6500.0 | 2312.5 | 0.0 | -2312.5 | 35.58 | 1031.25 | 6.400 | 1150.484300 |
| Koral 132kV | 09/01/2020 07:30:00 | 31 | 6500.0 | 2162.5 | 0.0 | -2162.5 | 33.27 | 862.50 | 1.172 | 0.000000 |
| Koral 132kV | 09/01/2020 07:45:00 | 32 | 6500.0 | 2155.0 | 0.0 | -2155.0 | 33.15 | 855.00 | 0.576 | 0.000000 |
| Koral 132kV | 09/01/2020 08:00:00 | 33 | 6500.0 | 2157.5 | 0.0 | -2157.5 | 33.19 | 857.50 | -0.576 | 0.000000 |
| Koral 132kV | 09/01/2020 08:15:00 | 34 | 6500.0 | 2155.0 | 0.0 | -2155.0 | 33.15 | 855.00 | -1.152 | 0.000000 |
| Koral 132kV | 09/01/2020 08:30:00 | 35 | 6500.0 | 2135.0 | 0.0 | -2135.0 | 32.85 | 835.00 | 0.576 | 0.000000 |
| Koral 132kV | 09/01/2020 08:45:00 | 36 | 6500.0 | 1912.5 | 0.0 | -1912.5 | 29.42 | 612.50 | 0.000 | 0.000000 |
| Koral 132kV | 09/01/2020 09:00:00 | 37 | 6500.0 | 920.0 | 0.0 | -920.0 | 14.15 | 0.00 | 1.152 | 0.000000 |
| Koral 132kV | 09/01/2020 09:15:00 | 38 | 6500.0 | 910.0 | 0.0 | -910.0 | 14.0 | 0.00 | 1.727 | 0.000000 |
| Koral 132kV | 09/01/2020 09:30:00 | 39 | 6500.0 | 922.5 | 0.0 | -922.5 | 14.19 | 0.00 | -3.839 | 0.000000 |
| Koral 132kV | 09/01/2020 09:45:00 | 40 | 6500.0 | 912.5 | 0.0 | -912.5 | 14.04 | 0.00 | -1.152 | 0.000000 |
| Koral 132kV | 09/01/2020 10:00:00 | 41 | 6500.0 | 920.0 | 0.0 | -920.0 | 14.15 | 0.00 | 0.000 | 0.000000 |
| Koral 132kV | 09/01/2020 10:15:00 | 42 | 6500.0 | 910.0 | 0.0 | -910.0 | 14.0 | 0.00 | 1.727 | 0.000000 |
| Koral 132kV | 09/01/2020 10:30:00 | 43 | 6500.0 | 922.5 | 0.0 | -922.5 | 14.19 | 0.00 | 2.303 | 0.000000 |
| Koral 132kV | 09/01/2020 10:45:00 | 44 | 6500.0 | 912.5 | 0.0 | -912.5 | 14.04 | 0.00 | -1.144 | 0.000000 |
| Koral 132kV | 09/01/2020 11:00:00 | 45 | 6500.0 | 1162.5 | 0.0 | -1162.5 | 17.88 | 93.75 | -4.479 | 0.000000 |

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| Koral 132kV | 09/01/2020 11:15:00 | 46 | 6500.0 | 1170.0 | 0.0 | -1170.0 | 18.0 | 97.50 | -3.519 | 0.000000 |
| Koral 132kV | 09/01/2020 11:30:00 | 47 | 6500.0 | 1157.5 | 0.0 | -1157.5 | 17.81 | 91.25 | -2.303 | 0.000000 |
| Koral 132kV | 09/01/2020 11:45:00 | 48 | 6500.0 | 1162.5 | 0.0 | -1162.5 | 17.88 | 93.75 | -0.576 | 0.000000 |
| Koral 132kV | 09/01/2020 12:00:00 | 49 | 6500.0 | 1140.0 | 0.0 | -1140.0 | 17.54 | 82.50 | 0.000 | 0.000000 |
| Koral 132kV | 09/01/2020 12:15:00 | 50 | 6500.0 | 1135.0 | 0.0 | -1135.0 | 17.46 | 80.00 | 3.839 | 0.000000 |
| Koral 132kV | 09/01/2020 12:30:00 | 51 | 6500.0 | 1130.0 | 0.0 | -1130.0 | 17.38 | 77.50 | 3.199 | 0.000000 |
| Koral 132kV | 09/01/2020 12:45:00 | 52 | 6500.0 | 1147.5 | 0.0 | -1147.5 | 17.65 | 86.25 | 3.199 | 0.000000 |
| Koral 132kV | 09/01/2020 13:00:00 | 53 | 6500.0 | 1140.0 | 0.0 | -1140.0 | 17.54 | 82.50 | -1.152 | 0.000000 |
| Koral 132kV | 09/01/2020 13:15:00 | 54 | 6500.0 | 1142.5 | 0.0 | -1142.5 | 17.58 | 83.75 | -1.152 | 0.000000 |
| Koral 132kV | 09/01/2020 13:30:00 | 55 | 6500.0 | 1145.0 | 0.0 | -1145.0 | 17.62 | 85.00 | 1.727 | 0.000000 |
| Koral 132kV | 09/01/2020 13:45:00 | 56 | 6500.0 | 1147.5 | 0.0 | -1147.5 | 17.65 | 86.25 | 3.199 | 0.000000 |
| Koral 132kV | 09/01/2020 14:00:00 | 57 | 6500.0 | 1155.0 | 0.0 | -1155.0 | 17.77 | 90.00 | 4.345 | 0.000000 |
| Koral 132kV | 09/01/2020 14:15:00 | 58 | 6500.0 | 1170.0 | 0.0 | -1170.0 | 18.0 | 97.50 | 3.941 | 0.000000 |
| Koral 132kV | 09/01/2020 14:30:00 | 59 | 6500.0 | 1160.0 | 0.0 | -1160.0 | 17.85 | 92.50 | 1.152 | 0.000000 |
| Koral 132kV | 09/01/2020 14:45:00 | 60 | 6500.0 | 1172.5 | 0.0 | -1172.5 | 18.04 | 98.75 | -0.576 | 0.000000 |
| Koral 132kV | 09/01/2020 15:00:00 | 61 | 6500.0 | 1162.5 | 0.0 | -1162.5 | 17.88 | 93.75 | -1.006 | 0.000000 |
| Koral 132kV | 09/01/2020 15:15:00 | 62 | 6500.0 | 1162.5 | 0.0 | -1162.5 | 17.88 | 93.75 | 3.199 | 0.000000 |
| Koral 132kV | 09/01/2020 15:30:00 | 63 | 6500.0 | 1170.0 | 0.0 | -1170.0 | 18.0 | 97.50 | 2.879 | 0.000000 |
| Koral 132kV | 09/01/2020 15:45:00 | 64 | 6500.0 | 1157.5 | 0.0 | -1157.5 | 17.81 | 91.25 | 3.839 | 0.000000 |
| Koral 132kV | 09/01/2020 16:00:00 | 65 | 6500.0 | 1162.5 | 0.0 | -1162.5 | 17.88 | 93.75 | 1.727 | 0.000000 |
| Koral 132kV | 09/01/2020 16:15:00 | 66 | 6500.0 | 1140.0 | 0.0 | -1140.0 | 17.54 | 82.50 | -1.727 | 0.000000 |

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| Koral 132kV | 09/01/2020 16:30:00 | 67 | 6500.0 | 1135.0 | 0.0 | -1135.0 | 17.46 | 80.00 | -4.159 | 0.000000 |
| Koral 132kV | 09/01/2020 16:45:00 | 68 | 6500.0 | 755.0 | 0.0 | -755.0 | 11.62 | 0.00 | 3.839 | 0.000000 |
| Koral 132kV | 09/01/2020 17:00:00 | 69 | 6500.0 | 772.5 | 0.0 | -772.5 | 11.88 | 0.00 | 1.727 | 0.000000 |
| Koral 132kV | 09/01/2020 17:15:00 | 70 | 6500.0 | 765.0 | 0.0 | -765.0 | 11.77 | 0.00 | 3.839 | 262.942569 |
| Koral 132kV | 09/01/2020 17:30:00 | 71 | 6500.0 | 767.5 | 0.0 | -767.5 | 11.81 | 0.00 | -2.879 | 0.000000 |
| Koral 132kV | 09/01/2020 17:45:00 | 72 | 6500.0 | 770.0 | 0.0 | -770.0 | 11.85 | 0.00 | -4.146 | 0.000000 |
| Koral 132kV | 09/01/2020 18:00:00 | 73 | 6500.0 | 772.5 | 0.0 | -772.5 | 11.88 | 0.00 | -3.349 | 0.000000 |
| Koral 132kV | 09/01/2020 18:15:00 | 74 | 6500.0 | 780.0 | 0.0 | -780.0 | 12.0 | 0.00 | -4.563 | 0.000000 |
| Koral 132kV | 09/01/2020 18:30:00 | 75 | 6500.0 | 795.0 | 0.0 | -795.0 | 12.23 | 0.00 | -3.839 | 0.000000 |
| Koral 132kV | 09/01/2020 18:45:00 | 76 | 6500.0 | 785.0 | 0.0 | -785.0 | 12.08 | 0.00 | -2.879 | 0.000000 |
| Koral 132kV | 09/01/2020 19:00:00 | 77 | 6500.0 | 797.5 | 0.0 | -797.5 | 12.27 | 0.00 | -3.199 | 0.000000 |
| Koral 132kV | 09/01/2020 19:15:00 | 78 | 6500.0 | 787.5 | 0.0 | -787.5 | 12.12 | 0.00 | -1.727 | 0.000000 |
| Koral 132kV | 09/01/2020 19:30:00 | 79 | 6500.0 | 787.5 | 0.0 | -787.5 | 12.12 | 0.00 | -1.442 | 0.000000 |
| Koral 132kV | 09/01/2020 19:45:00 | 80 | 6500.0 | 2795.0 | 0.0 | -2795.0 | 43.0 | 1755.00 | -0.286 | 0.000000 |
| Koral 132kV | 09/01/2020 20:00:00 | 81 | 6500.0 | 2782.5 | 0.0 | -2782.5 | 42.81 | 1736.25 | -1.070 | 0.000000 |
| Koral 132kV | 09/01/2020 20:15:00 | 82 | 6500.0 | 2787.5 | 0.0 | -2787.5 | 42.88 | 1743.75 | -2.236 | 0.000000 |
| Koral 132kV | 09/01/2020 20:30:00 | 83 | 6500.0 | 2765.0 | 0.0 | -2765.0 | 42.54 | 1710.00 | -4.799 | 0.000000 |
| Koral 132kV | 09/01/2020 20:45:00 | 84 | 6500.0 | 2760.0 | 0.0 | -2760.0 | 42.46 | 1702.50 | -1.727 | 0.000000 |
| Koral 132kV | 09/01/2020 21:00:00 | 85 | 6500.0 | 4755.0 | 0.0 | -4755.0 | 73.15 | 4695.00 | -1.727 | 0.000000 |
| Koral 132kV | 09/01/2020 21:15:00 | 86 | 6500.0 | 4772.5 | 0.0 | -4772.5 | 73.42 | 4721.25 | 1.152 | 0.000000 |
| Koral 132kV | 09/01/2020 21:30:00 | 87 | 6500.0 | 4765.0 | 0.0 | -4765.0 | 73.31 | 4710.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Koral 132kV | 09/01/2020 21:45:00 | 88 | 6500.0 | 4767.5 | 0.0 | -4767.5 | 73.35 | 4713.75 | -2.303 | 0.000000 |
| Koral 132kV | 09/01/2020 22:00:00 | 89 | 6500.0 | 4770.0 | 0.0 | -4770.0 | 73.38 | 4717.50 | -2.795 | 0.000000 |
| Koral 132kV | 09/01/2020 22:15:00 | 90 | 6500.0 | 4772.5 | 0.0 | -4772.5 | 73.42 | 4721.25 | -3.674 | 0.000000 |
| Koral 132kV | 09/01/2020 22:30:00 | 91 | 6500.0 | 5280.0 | 0.0 | -5280.0 | 81.23 | 5482.50 | -2.303 | 0.000000 |
| Koral 132kV | 09/01/2020 22:45:00 | 92 | 6500.0 | 5295.0 | 0.0 | -5295.0 | 81.46 | 5505.00 | -1.152 | 0.000000 |
| Koral 132kV | 09/01/2020 23:00:00 | 93 | 6500.0 | 5285.0 | 0.0 | -5285.0 | 81.31 | 5490.00 | 0.000 | 0.000000 |
| Koral 132kV | 09/01/2020 23:15:00 | 94 | 6500.0 | 5297.5 | 0.0 | -5297.5 | 81.5 | 5508.75 | -0.576 | 0.000000 |
| Koral 132kV | 09/01/2020 23:30:00 | 95 | 6500.0 | 5287.5 | 0.0 | -5287.5 | 81.35 | 5493.75 | -0.576 | 0.000000 |
| Koral 132kV | 09/01/2020 23:45:00 | 96 | 6500.0 | 5287.5 | 0.0 | -5287.5 | 81.35 | 5493.75 | -0.987 | 0.000000 |
| Koral 132kV | 10/01/2020 00:00:00 | 1 | 6500.0 | 4612.5 | 0.0 | -4612.5 | 70.96 | 4481.25 | -0.680 | 0.000000 |
| Koral 132kV | 10/01/2020 00:15:00 | 2 | 6500.0 | 4677.5 | 0.0 | -4677.5 | 71.96 | 4578.75 | -3.326 | 0.000000 |
| Koral 132kV | 10/01/2020 00:30:00 | 3 | 6500.0 | 4612.5 | 0.0 | -4612.5 | 70.96 | 4481.25 | -2.992 | 0.000000 |
| Koral 132kV | 10/01/2020 00:45:00 | 4 | 6500.0 | 4612.5 | 0.0 | -4612.5 | 70.96 | 4481.25 | -0.532 | 0.000000 |
| Koral 132kV | 10/01/2020 01:00:00 | 5 | 6500.0 | 4710.0 | 0.0 | -4710.0 | 72.46 | 4627.50 | -0.713 | 0.000000 |
| Koral 132kV | 10/01/2020 01:15:00 | 6 | 6500.0 | 5340.0 | 0.0 | -5340.0 | 82.15 | 5572.50 | -0.548 | 0.000000 |
| Koral 132kV | 10/01/2020 01:30:00 | 7 | 6500.0 | 5312.5 | 0.0 | -5312.5 | 81.73 | 5531.25 | -2.658 | 0.000000 |
| Koral 132kV | 10/01/2020 01:45:00 | 8 | 6500.0 | 5162.5 | 0.0 | -5162.5 | 79.42 | 5306.25 | 2.127 | 0.000000 |
| Koral 132kV | 10/01/2020 02:00:00 | 9 | 6500.0 | 5080.0 | 0.0 | -5080.0 | 78.15 | 5182.50 | 5.342 | 9953.598678 |
| Koral 132kV | 10/01/2020 02:15:00 | 10 | 6500.0 | 5052.5 | 0.0 | -5052.5 | 77.73 | 5141.25 | 1.595 | 0.000000 |
| Koral 132kV | 10/01/2020 02:30:00 | 11 | 6500.0 | 5062.5 | 0.0 | -5062.5 | 77.88 | 5156.25 | 3.326 | 0.000000 |
| Koral 132kV | 10/01/2020 02:45:00 | 12 | 6500.0 | 5090.0 | 0.0 | -5090.0 | 78.31 | 5197.50 | 2.658 | 0.000000 |

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| Koral 132kV | 10/01/2020 03:00:00 | 13 | 6500.0 | 5412.5 | 0.0 | -5412.5 | 83.27 | 5681.25 | 2.658 | 0.000000 |
| Koral 132kV | 10/01/2020 03:15:00 | 14 | 6500.0 | 5130.0 | 0.0 | -5130.0 | 78.92 | 5257.50 | 2.127 | 813.427056 |
| Koral 132kV | 10/01/2020 03:30:00 | 15 | 6500.0 | 5135.0 | 0.0 | -5135.0 | 79.0 | 5265.00 | 2.127 | 965.332209 |
| Koral 132kV | 10/01/2020 03:45:00 | 16 | 6500.0 | 5162.5 | 0.0 | -5162.5 | 79.42 | 5306.25 | -1.063 | 0.000000 |
| Koral 132kV | 10/01/2020 04:00:00 | 17 | 6500.0 | 5090.0 | 0.0 | -5090.0 | 78.31 | 5197.50 | 1.595 | 0.000000 |
| Koral 132kV | 10/01/2020 04:15:00 | 18 | 6500.0 | 5080.0 | 0.0 | -5080.0 | 78.15 | 5182.50 | 3.326 | 3020.765670 |
| Koral 132kV | 10/01/2020 04:30:00 | 19 | 6500.0 | 5062.5 | 0.0 | -5062.5 | 77.88 | 5156.25 | 3.326 | 0.000000 |
| Koral 132kV | 10/01/2020 04:45:00 | 20 | 6500.0 | 4912.5 | 0.0 | -4912.5 | 75.58 | 4931.25 | 2.127 | 0.000000 |
| Koral 132kV | 10/01/2020 05:00:00 | 21 | 6500.0 | 4912.5 | 0.0 | -4912.5 | 75.58 | 4931.25 | 2.992 | 0.000000 |
| Koral 132kV | 10/01/2020 05:15:00 | 22 | 6500.0 | 4885.0 | 0.0 | -4885.0 | 75.15 | 4890.00 | 1.063 | 0.000000 |
| Koral 132kV | 10/01/2020 05:30:00 | 23 | 6500.0 | 4662.5 | 0.0 | -4662.5 | 71.73 | 4556.25 | -2.658 | 0.000000 |
| Koral 132kV | 10/01/2020 05:45:00 | 24 | 6500.0 | 4635.0 | 0.0 | -4635.0 | 71.31 | 4515.00 | 2.127 | 0.000000 |
| Koral 132kV | 10/01/2020 06:00:00 | 25 | 6500.0 | 4587.5 | 0.0 | -4587.5 | 70.58 | 4443.75 | -2.127 | 0.000000 |
| Koral 132kV | 10/01/2020 06:15:00 | 26 | 6500.0 | 3405.0 | 0.0 | -3405.0 | 52.38 | 2670.00 | 2.658 | 863.810853 |
| Koral 132kV | 10/01/2020 06:30:00 | 27 | 6500.0 | 3380.0 | 0.0 | -3380.0 | 52.0 | 2632.50 | -2.992 | 0.000000 |
| Koral 132kV | 10/01/2020 06:45:00 | 28 | 6500.0 | 3162.5 | 0.0 | -3162.5 | 48.65 | 2306.25 | -3.077 | 0.000000 |
| Koral 132kV | 10/01/2020 07:00:00 | 29 | 6500.0 | 3135.0 | 0.0 | -3135.0 | 48.23 | 2265.00 | -0.687 | 0.000000 |
| Koral 132kV | 10/01/2020 07:15:00 | 30 | 6500.0 | 3130.0 | 0.0 | -3130.0 | 48.15 | 2257.50 | -2.658 | 0.000000 |
| Koral 132kV | 10/01/2020 07:30:00 | 31 | 6500.0 | 3080.0 | 0.0 | -3080.0 | 47.38 | 2182.50 | -1.063 | 0.000000 |
| Koral 132kV | 10/01/2020 07:45:00 | 32 | 6500.0 | 2905.0 | 0.0 | -2905.0 | 44.69 | 1920.00 | -2.658 | 0.000000 |
| Koral 132kV | 10/01/2020 08:00:00 | 33 | 6500.0 | 2837.5 | 0.0 | -2837.5 | 43.65 | 1818.75 | -4.328 | 0.000000 |

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| Koral 132kV | 10/01/2020 08:15:00 | 34 | 6500.0 | 2885.0 | 0.0 | -2885.0 | 44.38 | 1890.00 | -4.661 | 0.000000 |
| Koral 132kV | 10/01/2020 08:30:00 | 35 | 6500.0 | 2840.0 | 0.0 | -2840.0 | 43.69 | 1822.50 | 5.663 | 0.000000 |
| Koral 132kV | 10/01/2020 08:45:00 | 36 | 6500.0 | 2847.5 | 0.0 | -2847.5 | 43.81 | 1833.75 | 4.328 | 0.000000 |
| Koral 132kV | 10/01/2020 09:00:00 | 37 | 6500.0 | 2662.5 | 0.0 | -2662.5 | 40.96 | 1556.25 | -4.995 | 0.000000 |
| Koral 132kV | 10/01/2020 09:15:00 | 38 | 6500.0 | 2562.5 | 0.0 | -2562.5 | 39.42 | 1406.25 | -4.327 | 0.000000 |
| Koral 132kV | 10/01/2020 09:30:00 | 39 | 6500.0 | 3580.0 | 0.0 | -3580.0 | 55.08 | 2932.50 | -2.127 | 0.000000 |
| Koral 132kV | 10/01/2020 09:45:00 | 40 | 6500.0 | 3530.0 | 0.0 | -3530.0 | 54.31 | 2857.50 | -1.152 | 0.000000 |
| Koral 132kV | 10/01/2020 10:00:00 | 41 | 6500.0 | 3302.5 | 0.0 | -3302.5 | 50.81 | 2516.25 | 0.000 | 0.000000 |
| Koral 132kV | 10/01/2020 10:15:00 | 42 | 6500.0 | 3277.5 | 0.0 | -3277.5 | 50.42 | 2478.75 | -0.532 | 0.000000 |
| Koral 132kV | 10/01/2020 10:30:00 | 43 | 6500.0 | 2552.5 | 0.0 | -2552.5 | 39.27 | 1391.25 | -1.063 | 0.000000 |
| Koral 132kV | 10/01/2020 10:45:00 | 44 | 6500.0 | 2527.5 | 0.0 | -2527.5 | 38.88 | 1353.75 | 0.000 | 0.000000 |
| Koral 132kV | 10/01/2020 11:00:00 | 45 | 6500.0 | 2335.0 | 0.0 | -2335.0 | 35.92 | 1065.00 | 2.658 | 0.000000 |
| Koral 132kV | 10/01/2020 11:15:00 | 46 | 6500.0 | 2302.5 | 0.0 | -2302.5 | 35.42 | 1016.25 | 0.000 | 0.000000 |
| Koral 132kV | 10/01/2020 11:30:00 | 47 | 6500.0 | 2052.5 | 0.0 | -2052.5 | 31.58 | 752.50 | -1.595 | 0.000000 |
| Koral 132kV | 10/01/2020 11:45:00 | 48 | 6500.0 | 2085.0 | 0.0 | -2085.0 | 32.08 | 785.00 | 2.992 | 0.000000 |
| Koral 132kV | 10/01/2020 12:00:00 | 49 | 6500.0 | 1302.5 | 0.0 | -1302.5 | 20.04 | 163.75 | 0.000 | 0.000000 |
| Koral 132kV | 10/01/2020 12:15:00 | 50 | 6500.0 | 1177.5 | 0.0 | -1177.5 | 18.12 | 101.25 | 2.127 | 0.000000 |
| Koral 132kV | 10/01/2020 12:30:00 | 51 | 6500.0 | 1237.5 | 0.0 | -1237.5 | 19.04 | 131.25 | 1.595 | 0.000000 |
| Koral 132kV | 10/01/2020 12:45:00 | 52 | 6500.0 | 1237.5 | 0.0 | -1237.5 | 19.04 | 131.25 | -1.063 | 0.000000 |
| Koral 132kV | 10/01/2020 13:00:00 | 53 | 6500.0 | 1335.0 | 0.0 | -1335.0 | 20.54 | 180.00 | 2.658 | 0.000000 |
| Koral 132kV | 10/01/2020 13:15:00 | 54 | 6500.0 | 1302.5 | 0.0 | -1302.5 | 20.04 | 163.75 | 2.658 | 0.000000 |

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| Koral 132kV | 10/01/2020 13:30:00 | 55 | 6500.0 | 895.0 | 0.0 | -895.0 | 13.77 | 0.00 | 2.127 | 0.000000 |
| Koral 132kV | 10/01/2020 13:45:00 | 56 | 6500.0 | 985.0 | 0.0 | -985.0 | 15.15 | 5.00 | -3.326 | 0.000000 |
| Koral 132kV | 10/01/2020 14:00:00 | 57 | 6500.0 | 877.5 | 0.0 | -877.5 | 13.5 | 0.00 | -2.992 | 0.000000 |
| Koral 132kV | 10/01/2020 14:15:00 | 58 | 6500.0 | 937.5 | 0.0 | -937.5 | 14.42 | 0.00 | 3.660 | 0.000000 |
| Koral 132kV | 10/01/2020 14:30:00 | 59 | 6500.0 | 1002.5 | 0.0 | -1002.5 | 15.42 | 13.75 | -2.127 | 0.000000 |
| Koral 132kV | 10/01/2020 14:45:00 | 60 | 6500.0 | 877.5 | 0.0 | -877.5 | 13.5 | 0.00 | -2.127 | 0.000000 |
| Koral 132kV | 10/01/2020 15:00:00 | 61 | 6500.0 | 937.5 | 0.0 | -937.5 | 14.42 | 0.00 | 0.000 | 0.000000 |
| Koral 132kV | 10/01/2020 15:15:00 | 62 | 6500.0 | 1002.5 | 0.0 | -1002.5 | 15.42 | 13.75 | -2.992 | 0.000000 |
| Koral 132kV | 10/01/2020 15:30:00 | 63 | 6500.0 | 877.5 | 0.0 | -877.5 | 13.5 | 0.00 | -4.995 | 0.000000 |
| Koral 132kV | 10/01/2020 15:45:00 | 64 | 6500.0 | 937.5 | 0.0 | -937.5 | 14.42 | 0.00 | -4.327 | 0.000000 |
| Koral 132kV | 10/01/2020 16:00:00 | 65 | 6500.0 | 937.5 | 0.0 | -937.5 | 14.42 | 0.00 | -4.995 | 0.000000 |
| Koral 132kV | 10/01/2020 16:15:00 | 66 | 6500.0 | 1035.0 | 0.0 | -1035.0 | 15.92 | 30.00 | -8.000 | 0.000000 |
| Koral 132kV | 10/01/2020 16:30:00 | 67 | 6500.0 | 877.5 | 0.0 | -877.5 | 13.5 | 0.00 | -8.000 | 0.000000 |
| Koral 132kV | 10/01/2020 16:45:00 | 68 | 6500.0 | 937.5 | 0.0 | -937.5 | 14.42 | 0.00 | 4.327 | 0.000000 |
| Koral 132kV | 10/01/2020 17:00:00 | 69 | 6500.0 | 895.0 | 0.0 | -895.0 | 13.77 | 0.00 | 0.532 | 0.000000 |
| Koral 132kV | 10/01/2020 17:15:00 | 70 | 6500.0 | 985.0 | 0.0 | -985.0 | 15.15 | 5.00 | -1.595 | 0.000000 |
| Koral 132kV | 10/01/2020 17:30:00 | 71 | 6500.0 | 877.5 | 0.0 | -877.5 | 13.5 | 0.00 | -2.658 | 0.000000 |
| Koral 132kV | 10/01/2020 17:45:00 | 72 | 6500.0 | 937.5 | 0.0 | -937.5 | 14.42 | 0.00 | -2.127 | 0.000000 |
| Koral 132kV | 10/01/2020 18:00:00 | 73 | 6500.0 | 895.0 | 0.0 | -895.0 | 13.77 | 0.00 | -1.461 | 0.000000 |
| Koral 132kV | 10/01/2020 18:15:00 | 74 | 6500.0 | 985.0 | 0.0 | -985.0 | 15.15 | 5.00 | 3.326 | 346.144941 |
| Koral 132kV | 10/01/2020 18:30:00 | 75 | 6500.0 | 937.5 | 0.0 | -937.5 | 14.42 | 0.00 | -2.658 | 0.000000 |

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| Koral 132kV | 10/01/2020 18:45:00 | 76 | 6500.0 | 877.5 | 0.0 | -877.5 | 13.5 | 0.00 | 3.994 | 146.476143 |
| Koral 132kV | 10/01/2020 19:00:00 | 77 | 6500.0 | 937.5 | 0.0 | -937.5 | 14.42 | 0.00 | -2.127 | 0.000000 |
| Koral 132kV | 10/01/2020 19:15:00 | 78 | 6500.0 | 895.0 | 0.0 | -895.0 | 13.77 | 0.00 | -2.658 | 0.000000 |
| Koral 132kV | 10/01/2020 19:30:00 | 79 | 6500.0 | 985.0 | 0.0 | -985.0 | 15.15 | 5.00 | -3.660 | 0.000000 |
| Koral 132kV | 10/01/2020 19:45:00 | 80 | 6500.0 | 3627.5 | 0.0 | -3627.5 | 55.81 | 3003.75 | -3.326 | 0.000000 |
| Koral 132kV | 10/01/2020 20:00:00 | 81 | 6500.0 | 3687.5 | 0.0 | -3687.5 | 56.73 | 3093.75 | 3.660 | 898.897650 |
| Koral 132kV | 10/01/2020 20:15:00 | 82 | 6500.0 | 3645.0 | 0.0 | -3645.0 | 56.08 | 3030.00 | 3.660 | 3815.773688 |
| Koral 132kV | 10/01/2020 20:30:00 | 83 | 6500.0 | 3735.0 | 0.0 | -3735.0 | 57.46 | 3165.00 | 4.995 | 5550.811431 |
| Koral 132kV | 10/01/2020 20:45:00 | 84 | 6500.0 | 3687.5 | 0.0 | -3687.5 | 56.73 | 3093.75 | 2.992 | 3875.302668 |
| Koral 132kV | 10/01/2020 21:00:00 | 85 | 6500.0 | 3687.5 | 0.0 | -3687.5 | 56.73 | 3093.75 | -3.660 | 0.000000 |
| Koral 132kV | 10/01/2020 21:15:00 | 86 | 6500.0 | 5627.5 | 0.0 | -5627.5 | 86.58 | 6003.75 | -1.595 | 0.000000 |
| Koral 132kV | 10/01/2020 21:30:00 | 87 | 6500.0 | 5687.5 | 0.0 | -5687.5 | 87.5 | 6093.75 | -1.063 | 0.000000 |
| Koral 132kV | 10/01/2020 21:45:00 | 88 | 6500.0 | 5645.0 | 0.0 | -5645.0 | 86.85 | 6030.00 | -0.532 | 0.000000 |
| Koral 132kV | 10/01/2020 22:00:00 | 89 | 6500.0 | 5735.0 | 0.0 | -5735.0 | 88.23 | 6165.00 | -1.595 | 0.000000 |
| Koral 132kV | 10/01/2020 22:15:00 | 90 | 6500.0 | 5627.5 | 0.0 | -5627.5 | 86.58 | 6003.75 | -2.127 | 0.000000 |
| Koral 132kV | 10/01/2020 22:30:00 | 91 | 6500.0 | 4937.5 | 0.0 | -4937.5 | 75.96 | 4968.75 | 1.063 | 0.000000 |
| Koral 132kV | 10/01/2020 22:45:00 | 92 | 6500.0 | 4895.0 | 0.0 | -4895.0 | 75.31 | 4905.00 | -2.658 | 0.000000 |
| Koral 132kV | 10/01/2020 23:00:00 | 93 | 6500.0 | 4985.0 | 0.0 | -4985.0 | 76.69 | 5040.00 | -2.658 | 0.000000 |
| Koral 132kV | 10/01/2020 23:15:00 | 94 | 6500.0 | 4937.5 | 0.0 | -4937.5 | 75.96 | 4968.75 | 0.000 | 0.000000 |
| Koral 132kV | 10/01/2020 23:30:00 | 95 | 6500.0 | 4895.0 | 0.0 | -4895.0 | 75.31 | 4905.00 | 0.000 | 0.000000 |
| Koral 132kV | 10/01/2020 23:45:00 | 96 | 6500.0 | 4985.0 | 0.0 | -4985.0 | 76.69 | 5040.00 | 0.000 | 0.000000 |

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| Koral 132kV | 11/01/2020 00:00:00 | 1 | 6500.0 | 2862.5 | 0.0 | -2862.5 | 44.04 | 1856.25 | 0.000 | 0.000000 |
| Koral 132kV | 11/01/2020 00:15:00 | 2 | 6500.0 | 2927.5 | 0.0 | -2927.5 | 45.04 | 1953.75 | -2.629 | 0.000000 |
| Koral 132kV | 11/01/2020 00:30:00 | 3 | 6500.0 | 2862.5 | 0.0 | -2862.5 | 44.04 | 1856.25 | -1.577 | 0.000000 |
| Koral 132kV | 11/01/2020 00:45:00 | 4 | 6500.0 | 2862.5 | 0.0 | -2862.5 | 44.04 | 1856.25 | 2.103 | 0.000000 |
| Koral 132kV | 11/01/2020 01:00:00 | 5 | 6500.0 | 3087.5 | 0.0 | -3087.5 | 47.5 | 2193.75 | 2.964 | 1450.548022 |
| Koral 132kV | 11/01/2020 01:15:00 | 6 | 6500.0 | 3080.0 | 0.0 | -3080.0 | 47.38 | 2182.50 | 1.052 | 203.131607 |
| Koral 132kV | 11/01/2020 01:30:00 | 7 | 6500.0 | 3062.5 | 0.0 | -3062.5 | 47.12 | 2156.25 | 1.577 | 359.598105 |
| Koral 132kV | 11/01/2020 01:45:00 | 8 | 6500.0 | 2912.5 | 0.0 | -2912.5 | 44.81 | 1931.25 | -0.526 | 0.000000 |
| Koral 132kV | 11/01/2020 02:00:00 | 9 | 6500.0 | 2802.5 | 0.0 | -2802.5 | 43.12 | 1766.25 | -0.403 | 0.000000 |
| Koral 132kV | 11/01/2020 02:15:00 | 10 | 6500.0 | 2862.5 | 0.0 | -2862.5 | 44.04 | 1856.25 | -0.630 | 0.000000 |
| Koral 132kV | 11/01/2020 02:30:00 | 11 | 6500.0 | 5580.0 | 0.0 | -5580.0 | 85.85 | 5932.50 | -0.526 | 0.000000 |
| Koral 132kV | 11/01/2020 02:45:00 | 12 | 6500.0 | 5562.5 | 0.0 | -5562.5 | 85.58 | 5906.25 | -0.526 | 0.000000 |
| Koral 132kV | 11/01/2020 03:00:00 | 13 | 6500.0 | 5552.5 | 0.0 | -5552.5 | 85.42 | 5891.25 | -1.051 | 0.000000 |
| Koral 132kV | 11/01/2020 03:15:00 | 14 | 6500.0 | 5325.0 | 0.0 | -5325.0 | 81.92 | 5550.00 | 0.000 | 0.000000 |
| Koral 132kV | 11/01/2020 03:30:00 | 15 | 6500.0 | 5312.5 | 0.0 | -5312.5 | 81.73 | 5531.25 | 0.000 | 0.000000 |
| Koral 132kV | 11/01/2020 03:45:00 | 16 | 6500.0 | 5290.0 | 0.0 | -5290.0 | 81.38 | 5497.50 | 0.000 | 0.000000 |
| Koral 132kV | 11/01/2020 04:00:00 | 17 | 6500.0 | 3080.0 | 0.0 | -3080.0 | 47.38 | 2182.50 | 0.000 | 0.000000 |
| Koral 132kV | 11/01/2020 04:15:00 | 18 | 6500.0 | 3062.5 | 0.0 | -3062.5 | 47.12 | 2156.25 | -1.051 | 0.000000 |
| Koral 132kV | 11/01/2020 04:30:00 | 19 | 6500.0 | 2830.0 | 0.0 | -2830.0 | 43.54 | 1807.50 | -2.964 | 0.000000 |
| Koral 132kV | 11/01/2020 04:45:00 | 20 | 6500.0 | 2812.5 | 0.0 | -2812.5 | 43.27 | 1781.25 | -3.300 | 0.000000 |
| Koral 132kV | 11/01/2020 05:00:00 | 21 | 6500.0 | 2835.0 | 0.0 | -2835.0 | 43.62 | 1815.00 | 4.307 | 0.000000 |

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| Koral 132kV | 11/01/2020 05:15:00 | 22 | 6500.0 | 2662.5 | 0.0 | -2662.5 | 40.96 | 1556.25 | 5.314 | 3336.097272 |
| Koral 132kV | 11/01/2020 05:30:00 | 23 | 6500.0 | 2512.5 | 0.0 | -2512.5 | 38.65 | 1331.25 | 2.964 | 1521.196445 |
| Koral 132kV | 11/01/2020 05:45:00 | 24 | 6500.0 | 2535.0 | 0.0 | -2535.0 | 39.0 | 1365.00 | 2.103 | 0.000000 |
| Koral 132kV | 11/01/2020 06:00:00 | 25 | 6500.0 | 2462.5 | 0.0 | -2462.5 | 37.88 | 1256.25 | 3.636 | 0.000000 |
| Koral 132kV | 11/01/2020 06:15:00 | 26 | 6500.0 | 2405.0 | 0.0 | -2405.0 | 37.0 | 1170.00 | 2.964 | 0.000000 |
| Koral 132kV | 11/01/2020 06:30:00 | 27 | 6500.0 | 2412.5 | 0.0 | -2412.5 | 37.12 | 1181.25 | 4.105 | 1772.295921 |
| Koral 132kV | 11/01/2020 06:45:00 | 28 | 6500.0 | 2337.5 | 0.0 | -2337.5 | 35.96 | 1068.75 | 5.650 | 361.499768 |
| Koral 132kV | 11/01/2020 07:00:00 | 29 | 6500.0 | 2337.5 | 0.0 | -2337.5 | 35.96 | 1068.75 | 3.300 | 0.000000 |
| Koral 132kV | 11/01/2020 07:15:00 | 30 | 6500.0 | 2312.5 | 0.0 | -2312.5 | 35.58 | 1031.25 | 5.314 | 0.000000 |
| Koral 132kV | 11/01/2020 07:30:00 | 31 | 6500.0 | 2162.5 | 0.0 | -2162.5 | 33.27 | 862.50 | 2.964 | 0.000000 |
| Koral 132kV | 11/01/2020 07:45:00 | 32 | 6500.0 | 2130.0 | 0.0 | -2130.0 | 32.77 | 830.00 | 2.103 | 0.000000 |
| Koral 132kV | 11/01/2020 08:00:00 | 33 | 6500.0 | 2135.0 | 0.0 | -2135.0 | 32.85 | 835.00 | -1.577 | 0.000000 |
| Koral 132kV | 11/01/2020 08:15:00 | 34 | 6500.0 | 2090.0 | 0.0 | -2090.0 | 32.15 | 790.00 | 3.300 | 0.000000 |
| Koral 132kV | 11/01/2020 08:30:00 | 35 | 6500.0 | 2130.0 | 0.0 | -2130.0 | 32.77 | 830.00 | 2.116 | 0.000000 |
| Koral 132kV | 11/01/2020 08:45:00 | 36 | 6500.0 | 1912.5 | 0.0 | -1912.5 | 29.42 | 612.50 | 2.964 | 0.000000 |
| Koral 132kV | 11/01/2020 09:00:00 | 37 | 6500.0 | 1880.0 | 0.0 | -1880.0 | 28.92 | 580.00 | 6.681 | 0.000000 |
| Koral 132kV | 11/01/2020 09:15:00 | 38 | 6500.0 | 1855.0 | 0.0 | -1855.0 | 28.54 | 555.00 | 6.657 | 0.000000 |
| Koral 132kV | 11/01/2020 09:30:00 | 39 | 6500.0 | 1825.0 | 0.0 | -1825.0 | 28.08 | 525.00 | -6.322 | 0.000000 |
| Koral 132kV | 11/01/2020 09:45:00 | 40 | 6500.0 | 1815.0 | 0.0 | -1815.0 | 27.92 | 515.00 | -2.103 | 0.000000 |
| Koral 132kV | 11/01/2020 10:00:00 | 41 | 6500.0 | 1780.0 | 0.0 | -1780.0 | 27.38 | 480.00 | 0.526 | 0.000000 |
| Koral 132kV | 11/01/2020 10:15:00 | 42 | 6500.0 | 1712.5 | 0.0 | -1712.5 | 26.35 | 412.50 | 0.526 | 0.000000 |

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| Koral 132kV | 11/01/2020 10:30:00 | 43 | 6500.0 | 1632.5 | 0.0 | -1632.5 | 25.12 | 332.50 | 0.000 | 0.000000 |
| Koral 132kV | 11/01/2020 10:45:00 | 44 | 6500.0 | 897.5 | 0.0 | -897.5 | 13.81 | 0.00 | 0.000 | 0.000000 |
| Koral 132kV | 11/01/2020 11:00:00 | 45 | 6500.0 | 890.0 | 0.0 | -890.0 | 13.69 | 0.00 | 0.000 | 0.000000 |
| Koral 132kV | 11/01/2020 11:15:00 | 46 | 6500.0 | 892.5 | 0.0 | -892.5 | 13.73 | 0.00 | -2.964 | 0.000000 |
| Koral 132kV | 11/01/2020 11:30:00 | 47 | 6500.0 | 895.0 | 0.0 | -895.0 | 13.77 | 0.00 | -4.307 | 0.000000 |
| Koral 132kV | 11/01/2020 11:45:00 | 48 | 6500.0 | 897.5 | 0.0 | -897.5 | 13.81 | 0.00 | -3.300 | 0.000000 |
| Koral 132kV | 11/01/2020 12:00:00 | 49 | 6500.0 | 905.0 | 0.0 | -905.0 | 13.92 | 0.00 | -0.526 | 0.000000 |
| Koral 132kV | 11/01/2020 12:15:00 | 50 | 6500.0 | 920.0 | 0.0 | -920.0 | 14.15 | 0.00 | -2.103 | 0.000000 |
| Koral 132kV | 11/01/2020 12:30:00 | 51 | 6500.0 | 910.0 | 0.0 | -910.0 | 14.0 | 0.00 | -2.629 | 0.000000 |
| Koral 132kV | 11/01/2020 12:45:00 | 52 | 6500.0 | 922.5 | 0.0 | -922.5 | 14.19 | 0.00 | -2.629 | 0.000000 |
| Koral 132kV | 11/01/2020 13:00:00 | 53 | 6500.0 | 912.5 | 0.0 | -912.5 | 14.04 | 0.00 | 0.000 | 0.000000 |
| Koral 132kV | 11/01/2020 13:15:00 | 54 | 6500.0 | 912.5 | 0.0 | -912.5 | 14.04 | 0.00 | -2.103 | 0.000000 |
| Koral 132kV | 11/01/2020 13:30:00 | 55 | 6500.0 | 912.5 | 0.0 | -912.5 | 14.04 | 0.00 | 2.629 | 0.000000 |
| Koral 132kV | 11/01/2020 13:45:00 | 56 | 6500.0 | 912.5 | 0.0 | -912.5 | 14.04 | 0.00 | 2.103 | 0.000000 |
| Koral 132kV | 11/01/2020 14:00:00 | 57 | 6500.0 | 920.0 | 0.0 | -920.0 | 14.15 | 0.00 | 1.051 | 0.000000 |
| Koral 132kV | 11/01/2020 14:15:00 | 58 | 6500.0 | 907.5 | 0.0 | -907.5 | 13.96 | 0.00 | 3.300 | 0.000000 |
| Koral 132kV | 11/01/2020 14:30:00 | 59 | 6500.0 | 912.5 | 0.0 | -912.5 | 14.04 | 0.00 | -3.636 | 0.000000 |
| Koral 132kV | 11/01/2020 14:45:00 | 60 | 6500.0 | 890.0 | 0.0 | -890.0 | 13.69 | 0.00 | 4.979 | 0.000000 |
| Koral 132kV | 11/01/2020 15:00:00 | 61 | 6500.0 | 885.0 | 0.0 | -885.0 | 13.62 | 0.00 | -2.964 | 0.000000 |
| Koral 132kV | 11/01/2020 15:15:00 | 62 | 6500.0 | 880.0 | 0.0 | -880.0 | 13.54 | 0.00 | -5.314 | 0.000000 |
| Koral 132kV | 11/01/2020 15:30:00 | 63 | 6500.0 | 897.5 | 0.0 | -897.5 | 13.81 | 0.00 | 2.964 | 0.000000 |

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| Koral 132kV | 11/01/2020 15:45:00 | 64 | 6500.0 | 890.0 | 0.0 | -890.0 | 13.69 | 0.00 | 4.643 | 0.000000 |
| Koral 132kV | 11/01/2020 16:00:00 | 65 | 6500.0 | 892.5 | 0.0 | -892.5 | 13.73 | 0.00 | 2.103 | 0.000000 |
| Koral 132kV | 11/01/2020 16:15:00 | 66 | 6500.0 | 895.0 | 0.0 | -895.0 | 13.77 | 0.00 | -2.964 | 0.000000 |
| Koral 132kV | 11/01/2020 16:30:00 | 67 | 6500.0 | 897.5 | 0.0 | -897.5 | 13.81 | 0.00 | -2.103 | 0.000000 |
| Koral 132kV | 11/01/2020 16:45:00 | 68 | 6500.0 | 905.0 | 0.0 | -905.0 | 13.92 | 0.00 | 3.972 | 0.000000 |
| Koral 132kV | 11/01/2020 17:00:00 | 69 | 6500.0 | 920.0 | 0.0 | -920.0 | 14.15 | 0.00 | -1.577 | 0.000000 |
| Koral 132kV | 11/01/2020 17:15:00 | 70 | 6500.0 | 910.0 | 0.0 | -910.0 | 14.0 | 0.00 | -1.577 | 0.000000 |
| Koral 132kV | 11/01/2020 17:30:00 | 71 | 6500.0 | 922.5 | 0.0 | -922.5 | 14.19 | 0.00 | 1.051 | 11.770496 |
| Koral 132kV | 11/01/2020 17:45:00 | 72 | 6500.0 | 912.5 | 0.0 | -912.5 | 14.04 | 0.00 | -2.103 | 0.000000 |
| Koral 132kV | 11/01/2020 18:00:00 | 73 | 6500.0 | 912.5 | 0.0 | -912.5 | 14.04 | 0.00 | -2.964 | 0.000000 |
| Koral 132kV | 11/01/2020 18:15:00 | 74 | 6500.0 | 912.5 | 0.0 | -912.5 | 14.04 | 0.00 | -2.629 | 0.000000 |
| Koral 132kV | 11/01/2020 18:30:00 | 75 | 6500.0 | 912.5 | 0.0 | -912.5 | 14.04 | 0.00 | 2.103 | 32.076651 |
| Koral 132kV | 11/01/2020 18:45:00 | 76 | 6500.0 | 920.0 | 0.0 | -920.0 | 14.15 | 0.00 | 0.526 | 94.692682 |
| Koral 132kV | 11/01/2020 19:00:00 | 77 | 6500.0 | 907.5 | 0.0 | -907.5 | 13.96 | 0.00 | 2.103 | 370.982869 |
| Koral 132kV | 11/01/2020 19:15:00 | 78 | 6500.0 | 912.5 | 0.0 | -912.5 | 14.04 | 0.00 | -1.052 | 0.000000 |
| Koral 132kV | 11/01/2020 19:30:00 | 79 | 6500.0 | 1890.0 | 0.0 | -1890.0 | 29.08 | 590.00 | 2.964 | 0.000000 |
| Koral 132kV | 11/01/2020 19:45:00 | 80 | 6500.0 | 1885.0 | 0.0 | -1885.0 | 29.0 | 585.00 | 2.629 | 1402.132597 |
| Koral 132kV | 11/01/2020 20:00:00 | 81 | 6500.0 | 1880.0 | 0.0 | -1880.0 | 28.92 | 580.00 | 2.629 | 305.745741 |
| Koral 132kV | 11/01/2020 20:15:00 | 82 | 6500.0 | 1897.5 | 0.0 | -1897.5 | 29.19 | 597.50 | 4.307 | 1017.582428 |
| Koral 132kV | 11/01/2020 20:30:00 | 83 | 6500.0 | 1890.0 | 0.0 | -1890.0 | 29.08 | 590.00 | 2.964 | 2598.771061 |
| Koral 132kV | 11/01/2020 20:45:00 | 84 | 6500.0 | 1892.5 | 0.0 | -1892.5 | 29.12 | 592.50 | 2.629 | 2233.723152 |

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| Koral 132kV | 11/01/2020 21:00:00 | 85 | 6500.0 | 1895.0 | 0.0 | -1895.0 | 29.15 | 595.00 | 3.636 | 406.227411 |
| Koral 132kV | 11/01/2020 21:15:00 | 86 | 6500.0 | 4745.0 | 0.0 | -4745.0 | 73.0 | 4680.00 | -1.577 | 0.000000 |
| Koral 132kV | 11/01/2020 21:30:00 | 87 | 6500.0 | 4837.5 | 0.0 | -4837.5 | 74.42 | 4818.75 | -1.577 | 0.000000 |
| Koral 132kV | 11/01/2020 21:45:00 | 88 | 6500.0 | 4962.5 | 0.0 | -4962.5 | 76.35 | 5006.25 | -1.052 | 0.000000 |
| Koral 132kV | 11/01/2020 22:00:00 | 89 | 6500.0 | 5060.0 | 0.0 | -5060.0 | 77.85 | 5152.50 | -5.650 | 0.000000 |
| Koral 132kV | 11/01/2020 22:15:00 | 90 | 6500.0 | 5030.0 | 0.0 | -5030.0 | 77.38 | 5107.50 | -5.650 | 0.000000 |
| Koral 132kV | 11/01/2020 22:30:00 | 91 | 6500.0 | 5640.0 | 0.0 | -5640.0 | 86.77 | 6022.50 | 4.979 | 2719.363311 |
| Koral 132kV | 11/01/2020 22:45:00 | 92 | 6500.0 | 5562.5 | 0.0 | -5562.5 | 85.58 | 5906.25 | 2.964 | 3493.154726 |
| Koral 132kV | 11/01/2020 23:00:00 | 93 | 6500.0 | 5717.5 | 0.0 | -5717.5 | 87.96 | 6138.75 | 1.577 | 894.032566 |
| Koral 132kV | 11/01/2020 23:15:00 | 94 | 6500.0 | 5662.5 | 0.0 | -5662.5 | 87.12 | 6056.25 | 1.074 | 724.232054 |
| Koral 132kV | 11/01/2020 23:30:00 | 95 | 6500.0 | 5590.0 | 0.0 | -5590.0 | 86.0 | 5947.50 | 2.113 | 3222.570256 |
| Koral 132kV | 11/01/2020 23:45:00 | 96 | 6500.0 | 5340.0 | 0.0 | -5340.0 | 82.15 | 5572.50 | 2.162 | 3968.711247 |
| Koral 132kV | 12/01/2020 00:00:00 | 1 | 6500.0 | 4412.5 | 0.0 | -4412.5 | 67.88 | 4181.25 | 3.022 | 2713.986873 |
| Koral 132kV | 12/01/2020 00:15:00 | 2 | 6500.0 | 4130.0 | 0.0 | -4130.0 | 63.54 | 3757.50 | -2.152 | 0.000000 |
| Koral 132kV | 12/01/2020 00:30:00 | 3 | 6500.0 | 3880.0 | 0.0 | -3880.0 | 59.69 | 3382.50 | -2.152 | 0.000000 |
| Koral 132kV | 12/01/2020 00:45:00 | 4 | 6500.0 | 5830.0 | 0.0 | -5830.0 | 89.69 | 6307.50 | -3.022 | 0.000000 |
| Koral 132kV | 12/01/2020 01:00:00 | 5 | 6500.0 | 5630.0 | 0.0 | -5630.0 | 86.62 | 6007.50 | -0.629 | 0.000000 |
| Koral 132kV | 12/01/2020 01:15:00 | 6 | 6500.0 | 5590.0 | 0.0 | -5590.0 | 86.0 | 5947.50 | -3.317 | 0.000000 |
| Koral 132kV | 12/01/2020 01:30:00 | 7 | 6500.0 | 5552.5 | 0.0 | -5552.5 | 85.42 | 5891.25 | -3.354 | 0.000000 |
| Koral 132kV | 12/01/2020 01:45:00 | 8 | 6500.0 | 5580.0 | 0.0 | -5580.0 | 85.85 | 5932.50 | -3.022 | 0.000000 |
| Koral 132kV | 12/01/2020 02:00:00 | 9 | 6500.0 | 5562.5 | 0.0 | -5562.5 | 85.58 | 5906.25 | -2.690 | 0.000000 |

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| Koral 132kV | 12/01/2020 02:15:00 | 10 | 6500.0 | 5557.5 | 0.0 | -5557.5 | 85.5 | 5898.75 | -3.022 | 0.000000 |
| Koral 132kV | 12/01/2020 02:30:00 | 11 | 6500.0 | 5662.5 | 0.0 | -5662.5 | 87.12 | 6056.25 | -2.690 | 0.000000 |
| Koral 132kV | 12/01/2020 02:45:00 | 12 | 6500.0 | 5630.0 | 0.0 | -5630.0 | 86.62 | 6007.50 | -3.022 | 0.000000 |
| Koral 132kV | 12/01/2020 03:00:00 | 13 | 6500.0 | 5635.0 | 0.0 | -5635.0 | 86.69 | 6015.00 | 3.354 | 2668.099446 |
| Koral 132kV | 12/01/2020 03:15:00 | 14 | 6500.0 | 5632.5 | 0.0 | -5632.5 | 86.65 | 6011.25 | 3.022 | 3270.595525 |
| Koral 132kV | 12/01/2020 03:30:00 | 15 | 6500.0 | 5662.5 | 0.0 | -5662.5 | 87.12 | 6056.25 | 3.354 | 1219.530412 |
| Koral 132kV | 12/01/2020 03:45:00 | 16 | 6500.0 | 5580.0 | 0.0 | -5580.0 | 85.85 | 5932.50 | 2.152 | 0.000000 |
| Koral 132kV | 12/01/2020 04:00:00 | 17 | 6500.0 | 4812.5 | 0.0 | -4812.5 | 74.04 | 4781.25 | -2.152 | 0.000000 |
| Koral 132kV | 12/01/2020 04:15:00 | 18 | 6500.0 | 4912.5 | 0.0 | -4912.5 | 75.58 | 4931.25 | -3.022 | 0.000000 |
| Koral 132kV | 12/01/2020 04:30:00 | 19 | 6500.0 | 4880.0 | 0.0 | -4880.0 | 75.08 | 4882.50 | 1.076 | 0.000000 |
| Koral 132kV | 12/01/2020 04:45:00 | 20 | 6500.0 | 4810.0 | 0.0 | -4810.0 | 74.0 | 4777.50 | -3.022 | 0.000000 |
| Koral 132kV | 12/01/2020 05:00:00 | 21 | 6500.0 | 4630.0 | 0.0 | -4630.0 | 71.23 | 4507.50 | 3.686 | 0.000000 |
| Koral 132kV | 12/01/2020 05:15:00 | 22 | 6500.0 | 4580.0 | 0.0 | -4580.0 | 70.46 | 4432.50 | 3.686 | 5052.979164 |
| Koral 132kV | 12/01/2020 05:30:00 | 23 | 6500.0 | 4830.0 | 0.0 | -4830.0 | 74.31 | 4807.50 | -1.614 | 0.000000 |
| Koral 132kV | 12/01/2020 05:45:00 | 24 | 6500.0 | 4080.0 | 0.0 | -4080.0 | 62.77 | 3682.50 | -0.496 | 0.000000 |
| Koral 132kV | 12/01/2020 06:00:00 | 25 | 6500.0 | 4062.5 | 0.0 | -4062.5 | 62.5 | 3656.25 | 0.000 | 0.000000 |
| Koral 132kV | 12/01/2020 06:15:00 | 26 | 6500.0 | 3880.0 | 0.0 | -3880.0 | 59.69 | 3382.50 | -0.430 | 0.000000 |
| Koral 132kV | 12/01/2020 06:30:00 | 27 | 6500.0 | 3832.5 | 0.0 | -3832.5 | 58.96 | 3311.25 | -2.152 | 0.000000 |
| Koral 132kV | 12/01/2020 06:45:00 | 28 | 6500.0 | 3562.5 | 0.0 | -3562.5 | 54.81 | 2906.25 | 4.681 | 0.000000 |
| Koral 132kV | 12/01/2020 07:00:00 | 29 | 6500.0 | 3580.0 | 0.0 | -3580.0 | 55.08 | 2932.50 | 1.614 | 0.000000 |
| Koral 132kV | 12/01/2020 07:15:00 | 30 | 6500.0 | 3557.5 | 0.0 | -3557.5 | 54.73 | 2898.75 | 3.838 | 2944.387770 |

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| Koral 132kV | 12/01/2020 07:30:00 | 31 | 6500.0 | 3580.0 | 0.0 | -3580.0 | 55.08 | 2932.50 | 3.022 | 0.000000 |
| Koral 132kV | 12/01/2020 07:45:00 | 32 | 6500.0 | 3552.5 | 0.0 | -3552.5 | 54.65 | 2891.25 | 2.690 | 0.000000 |
| Koral 132kV | 12/01/2020 08:00:00 | 33 | 6500.0 | 3487.5 | 0.0 | -3487.5 | 53.65 | 2793.75 | -2.690 | 0.000000 |
| Koral 132kV | 12/01/2020 08:15:00 | 34 | 6500.0 | 3385.0 | 0.0 | -3385.0 | 52.08 | 2640.00 | -4.018 | 0.000000 |
| Koral 132kV | 12/01/2020 08:30:00 | 35 | 6500.0 | 3330.0 | 0.0 | -3330.0 | 51.23 | 2557.50 | -2.690 | 0.000000 |
| Koral 132kV | 12/01/2020 08:45:00 | 36 | 6500.0 | 3307.5 | 0.0 | -3307.5 | 50.88 | 2523.75 | 3.022 | 0.000000 |
| Koral 132kV | 12/01/2020 09:00:00 | 37 | 6500.0 | 3302.5 | 0.0 | -3302.5 | 50.81 | 2516.25 | -3.354 | 0.000000 |
| Koral 132kV | 12/01/2020 09:15:00 | 38 | 6500.0 | 1890.0 | 0.0 | -1890.0 | 29.08 | 590.00 | -4.350 | 0.000000 |
| Koral 132kV | 12/01/2020 09:30:00 | 39 | 6500.0 | 1892.5 | 0.0 | -1892.5 | 29.12 | 592.50 | 2.152 | 0.000000 |
| Koral 132kV | 12/01/2020 09:45:00 | 40 | 6500.0 | 1895.0 | 0.0 | -1895.0 | 29.15 | 595.00 | -2.690 | 0.000000 |
| Koral 132kV | 12/01/2020 10:00:00 | 41 | 6500.0 | 1897.5 | 0.0 | -1897.5 | 29.19 | 597.50 | -3.354 | 0.000000 |
| Koral 132kV | 12/01/2020 10:15:00 | 42 | 6500.0 | 1905.0 | 0.0 | -1905.0 | 29.31 | 605.00 | -3.686 | 0.000000 |
| Koral 132kV | 12/01/2020 10:30:00 | 43 | 6500.0 | 845.0 | 0.0 | -845.0 | 13.0 | 0.00 | -1.614 | 0.000000 |
| Koral 132kV | 12/01/2020 10:45:00 | 44 | 6500.0 | 835.0 | 0.0 | -835.0 | 12.85 | 0.00 | 3.686 | 0.000000 |
| Koral 132kV | 12/01/2020 11:00:00 | 45 | 6500.0 | 847.5 | 0.0 | -847.5 | 13.04 | 0.00 | -3.354 | 0.000000 |
| Koral 132kV | 12/01/2020 11:15:00 | 46 | 6500.0 | 837.5 | 0.0 | -837.5 | 12.88 | 0.00 | -5.450 | 0.000000 |
| Koral 132kV | 12/01/2020 11:30:00 | 47 | 6500.0 | 837.5 | 0.0 | -837.5 | 12.88 | 0.00 | -6.009 | 0.000000 |
| Koral 132kV | 12/01/2020 11:45:00 | 48 | 6500.0 | 837.5 | 0.0 | -837.5 | 12.88 | 0.00 | 2.690 | 0.000000 |
| Koral 132kV | 12/01/2020 12:00:00 | 49 | 6500.0 | 837.5 | 0.0 | -837.5 | 12.88 | 0.00 | 3.686 | 0.000000 |
| Koral 132kV | 12/01/2020 12:15:00 | 50 | 6500.0 | 845.0 | 0.0 | -845.0 | 13.0 | 0.00 | -5.345 | 0.000000 |
| Koral 132kV | 12/01/2020 12:30:00 | 51 | 6500.0 | 832.5 | 0.0 | -832.5 | 12.81 | 0.00 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Koral 132kV | 12/01/2020 12:45:00 | 52 | 6500.0 | 837.5 | 0.0 | -837.5 | 12.88 | 0.00 | -5.345 | 0.000000 |
| Koral 132kV | 12/01/2020 13:00:00 | 53 | 6500.0 | 815.0 | 0.0 | -815.0 | 12.54 | 0.00 | -3.999 | 0.000000 |
| Koral 132kV | 12/01/2020 13:15:00 | 54 | 6500.0 | 810.0 | 0.0 | -810.0 | 12.46 | 0.00 | -4.350 | 0.000000 |
| Koral 132kV | 12/01/2020 13:30:00 | 55 | 6500.0 | 805.0 | 0.0 | -805.0 | 12.38 | 0.00 | -1.076 | 0.000000 |
| Koral 132kV | 12/01/2020 13:45:00 | 56 | 6500.0 | 822.5 | 0.0 | -822.5 | 12.65 | 0.00 | -2.690 | 0.000000 |
| Koral 132kV | 12/01/2020 14:00:00 | 57 | 6500.0 | 815.0 | 0.0 | -815.0 | 12.54 | 0.00 | -0.538 | 0.000000 |
| Koral 132kV | 12/01/2020 14:15:00 | 58 | 6500.0 | 817.5 | 0.0 | -817.5 | 12.58 | 0.00 | -2.152 | 0.000000 |
| Koral 132kV | 12/01/2020 14:30:00 | 59 | 6500.0 | 820.0 | 0.0 | -820.0 | 12.62 | 0.00 | -2.690 | 0.000000 |
| Koral 132kV | 12/01/2020 14:45:00 | 60 | 6500.0 | 822.5 | 0.0 | -822.5 | 12.65 | 0.00 | -1.076 | 0.000000 |
| Koral 132kV | 12/01/2020 15:00:00 | 61 | 6500.0 | 830.0 | 0.0 | -830.0 | 12.77 | 0.00 | 0.000 | 0.000000 |
| Koral 132kV | 12/01/2020 15:15:00 | 62 | 6500.0 | 845.0 | 0.0 | -845.0 | 13.0 | 0.00 | -2.690 | 0.000000 |
| Koral 132kV | 12/01/2020 15:30:00 | 63 | 6500.0 | 835.0 | 0.0 | -835.0 | 12.85 | 0.00 | -3.022 | 0.000000 |
| Koral 132kV | 12/01/2020 15:45:00 | 64 | 6500.0 | 847.5 | 0.0 | -847.5 | 13.04 | 0.00 | -3.686 | 0.000000 |
| Koral 132kV | 12/01/2020 16:00:00 | 65 | 6500.0 | 837.5 | 0.0 | -837.5 | 12.88 | 0.00 | -3.737 | 0.000000 |
| Koral 132kV | 12/01/2020 16:15:00 | 66 | 6500.0 | 837.5 | 0.0 | -837.5 | 12.88 | 0.00 | -5.786 | 0.000000 |
| Koral 132kV | 12/01/2020 16:30:00 | 67 | 6500.0 | 837.5 | 0.0 | -837.5 | 12.88 | 0.00 | -4.350 | 0.000000 |
| Koral 132kV | 12/01/2020 16:45:00 | 68 | 6500.0 | 837.5 | 0.0 | -837.5 | 12.88 | 0.00 | -1.614 | 0.000000 |
| Koral 132kV | 12/01/2020 17:00:00 | 69 | 6500.0 | 845.0 | 0.0 | -845.0 | 13.0 | 0.00 | 0.000 | 0.000000 |
| Koral 132kV | 12/01/2020 17:15:00 | 70 | 6500.0 | 832.5 | 0.0 | -832.5 | 12.81 | 0.00 | 2.690 | 215.828730 |
| Koral 132kV | 12/01/2020 17:30:00 | 71 | 6500.0 | 837.5 | 0.0 | -837.5 | 12.88 | 0.00 | -3.022 | 0.000000 |
| Koral 132kV | 12/01/2020 17:45:00 | 72 | 6500.0 | 815.0 | 0.0 | -815.0 | 12.54 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Koral 132kV | 12/01/2020 18:00:00 | 73 | 6500.0 | 810.0 | 0.0 | -810.0 | 12.46 | 0.00 | -0.538 | 0.000000 |
| Koral 132kV | 12/01/2020 18:15:00 | 74 | 6500.0 | 805.0 | 0.0 | -805.0 | 12.38 | 0.00 | -4.350 | 0.000000 |
| Koral 132kV | 12/01/2020 18:30:00 | 75 | 6500.0 | 822.5 | 0.0 | -822.5 | 12.65 | 0.00 | 2.690 | 141.441344 |
| Koral 132kV | 12/01/2020 18:45:00 | 76 | 6500.0 | 815.0 | 0.0 | -815.0 | 12.54 | 0.00 | 3.022 | 902.911012 |
| Koral 132kV | 12/01/2020 19:00:00 | 77 | 6500.0 | 817.5 | 0.0 | -817.5 | 12.58 | 0.00 | 3.686 | 290.913122 |
| Koral 132kV | 12/01/2020 19:15:00 | 78 | 6500.0 | 820.0 | 0.0 | -820.0 | 12.62 | 0.00 | 2.690 | 17.320904 |
| Koral 132kV | 12/01/2020 19:30:00 | 79 | 6500.0 | 822.5 | 0.0 | -822.5 | 12.65 | 0.00 | -3.022 | 0.000000 |
| Koral 132kV | 12/01/2020 19:45:00 | 80 | 6500.0 | 830.0 | 0.0 | -830.0 | 12.77 | 0.00 | -1.781 | 0.000000 |
| Koral 132kV | 12/01/2020 20:00:00 | 81 | 6500.0 | 845.0 | 0.0 | -845.0 | 13.0 | 0.00 | -3.021 | 0.000000 |
| Koral 132kV | 12/01/2020 20:15:00 | 82 | 6500.0 | 835.0 | 0.0 | -835.0 | 12.85 | 0.00 | -4.018 | 0.000000 |
| Koral 132kV | 12/01/2020 20:30:00 | 83 | 6500.0 | 847.5 | 0.0 | -847.5 | 13.04 | 0.00 | -3.354 | 0.000000 |
| Koral 132kV | 12/01/2020 20:45:00 | 84 | 6500.0 | 837.5 | 0.0 | -837.5 | 12.88 | 0.00 | -1.614 | 0.000000 |
| Koral 132kV | 12/01/2020 21:00:00 | 85 | 6500.0 | 837.5 | 0.0 | -837.5 | 12.88 | 0.00 | -4.350 | 0.000000 |
| Koral 132kV | 12/01/2020 21:15:00 | 86 | 6500.0 | 845.0 | 0.0 | -845.0 | 13.0 | 0.00 | -3.686 | 0.000000 |
| Koral 132kV | 12/01/2020 21:30:00 | 87 | 6500.0 | 835.0 | 0.0 | -835.0 | 12.85 | 0.00 | -1.614 | 0.000000 |
| Koral 132kV | 12/01/2020 21:45:00 | 88 | 6500.0 | 847.5 | 0.0 | -847.5 | 13.04 | 0.00 | 0.000 | 0.000000 |
| Koral 132kV | 12/01/2020 22:00:00 | 89 | 6500.0 | 837.5 | 0.0 | -837.5 | 12.88 | 0.00 | -3.354 | 0.000000 |
| Koral 132kV | 12/01/2020 22:15:00 | 90 | 6500.0 | 837.5 | 0.0 | -837.5 | 12.88 | 0.00 | 4.350 | 1022.546273 |
| Koral 132kV | 12/01/2020 22:30:00 | 91 | 6500.0 | 4587.5 | 0.0 | -4587.5 | 70.58 | 4443.75 | 5.215 | 10563.345715 |
| Koral 132kV | 12/01/2020 22:45:00 | 92 | 6500.0 | 4595.0 | 0.0 | -4595.0 | 70.69 | 4455.00 | 3.022 | 1035.757478 |
| Koral 132kV | 12/01/2020 23:00:00 | 93 | 6500.0 | 4585.0 | 0.0 | -4585.0 | 70.54 | 4440.00 | 3.022 | 2263.718020 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Koral 132kV | 12/01/2020 23:15:00 | 94 | 6500.0 | 4597.5 | 0.0 | -4597.5 | 70.73 | 4458.75 | 2.152 | 2260.166006 |
| Koral 132kV | 12/01/2020 23:30:00 | 95 | 6500.0 | 4587.5 | 0.0 | -4587.5 | 70.58 | 4443.75 | 2.152 | 1297.799395 |
| Koral 132kV | 12/01/2020 23:45:00 | 96 | 6500.0 | 4587.5 | 0.0 | -4587.5 | 70.58 | 4443.75 | 2.152 | 1491.160539 |
| Lohara 132kV | 06/01/2020 00:00:00 | 1 | 25000.0 | 3160.0 | 0.0 | -3160.0 | 12.64 | 0.00 | 2.903 | 0.000000 |
| Lohara 132kV | 06/01/2020 00:15:00 | 2 | 25000.0 | 3235.0 | 0.0 | -3235.0 | 12.94 | 0.00 | 0.000 | 0.000000 |
| Lohara 132kV | 06/01/2020 00:30:00 | 3 | 25000.0 | 3277.5 | 0.0 | -3277.5 | 13.11 | 0.00 | 0.000 | 0.000000 |
| Lohara 132kV | 06/01/2020 00:45:00 | 4 | 25000.0 | 3317.5 | 0.0 | -3317.5 | 13.27 | 0.00 | -0.984 | 0.000000 |
| Lohara 132kV | 06/01/2020 01:00:00 | 5 | 25000.0 | 3357.5 | 0.0 | -3357.5 | 13.43 | 0.00 | -3.541 | 0.000000 |
| Lohara 132kV | 06/01/2020 01:15:00 | 6 | 25000.0 | 3397.5 | 0.0 | -3397.5 | 13.59 | 0.00 | 3.222 | 81.566386 |
| Lohara 132kV | 06/01/2020 01:30:00 | 7 | 25000.0 | 4580.0 | 0.0 | -4580.0 | 18.32 | 415.00 | 3.541 | 1236.061154 |
| Lohara 132kV | 06/01/2020 01:45:00 | 8 | 25000.0 | 4500.0 | 0.0 | -4500.0 | 18.0 | 375.00 | 2.352 | 0.000000 |
| Lohara 132kV | 06/01/2020 02:00:00 | 9 | 25000.0 | 4362.5 | 0.0 | -4362.5 | 17.45 | 306.25 | 1.747 | 0.000000 |
| Lohara 132kV | 06/01/2020 02:15:00 | 10 | 25000.0 | 4125.0 | 0.0 | -4125.0 | 16.5 | 187.50 | 0.581 | 0.000000 |
| Lohara 132kV | 06/01/2020 02:30:00 | 11 | 25000.0 | 4087.5 | 0.0 | -4087.5 | 16.35 | 168.75 | -2.323 | 0.000000 |
| Lohara 132kV | 06/01/2020 02:45:00 | 12 | 25000.0 | 4035.0 | 0.0 | -4035.0 | 16.14 | 142.50 | 2.323 | 0.000000 |
| Lohara 132kV | 06/01/2020 03:00:00 | 13 | 25000.0 | 3517.5 | 0.0 | -3517.5 | 14.07 | 0.00 | 2.323 | 0.000000 |
| Lohara 132kV | 06/01/2020 03:15:00 | 14 | 25000.0 | 7080.0 | 0.0 | -7080.0 | 28.32 | 2080.00 | -1.742 | 0.000000 |
| Lohara 132kV | 06/01/2020 03:30:00 | 15 | 25000.0 | 7080.0 | 0.0 | -7080.0 | 28.32 | 2080.00 | 3.222 | 0.000000 |
| Lohara 132kV | 06/01/2020 03:45:00 | 16 | 25000.0 | 7090.0 | 0.0 | -7090.0 | 28.36 | 2090.00 | 3.541 | 0.000000 |
| Lohara 132kV | 06/01/2020 04:00:00 | 17 | 25000.0 | 7072.5 | 0.0 | -7072.5 | 28.29 | 2072.50 | 4.496 | 0.000000 |
| Lohara 132kV | 06/01/2020 04:15:00 | 18 | 25000.0 | 7067.5 | 0.0 | -7067.5 | 28.27 | 2067.50 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Lohara 132kV | 06/01/2020 04:30:00 | 19 | 25000.0 | 11880.0 | 0.0 | -11880.0 | 47.52 | 8445.00 | 3.859 | 0.000000 |
| Lohara 132kV | 06/01/2020 04:45:00 | 20 | 25000.0 | 11860.0 | 0.0 | -11860.0 | 47.44 | 8415.00 | 4.815 | 0.000000 |
| Lohara 132kV | 06/01/2020 05:00:00 | 21 | 25000.0 | 11835.0 | 0.0 | -11835.0 | 47.34 | 8377.50 | 3.859 | 5190.605101 |
| Lohara 132kV | 06/01/2020 05:15:00 | 22 | 25000.0 | 11837.5 | 0.0 | -11837.5 | 47.35 | 8381.25 | 6.407 | 9372.744836 |
| Lohara 132kV | 06/01/2020 05:30:00 | 23 | 25000.0 | 11902.5 | 0.0 | -11902.5 | 47.61 | 8478.75 | 6.496 | 13951.739826 |
| Lohara 132kV | 06/01/2020 05:45:00 | 24 | 25000.0 | 11825.0 | 0.0 | -11825.0 | 47.3 | 8362.50 | 7.492 | 7490.558396 |
| Lohara 132kV | 06/01/2020 06:00:00 | 25 | 25000.0 | 11880.0 | 0.0 | -11880.0 | 47.52 | 8445.00 | -5.452 | 0.000000 |
| Lohara 132kV | 06/01/2020 06:15:00 | 26 | 25000.0 | 11900.0 | 0.0 | -11900.0 | 47.6 | 8475.00 | -6.089 | 0.000000 |
| Lohara 132kV | 06/01/2020 06:30:00 | 27 | 25000.0 | 11865.0 | 0.0 | -11865.0 | 47.46 | 8422.50 | -7.044 | 0.000000 |
| Lohara 132kV | 06/01/2020 06:45:00 | 28 | 25000.0 | 11900.0 | 0.0 | -11900.0 | 47.6 | 8475.00 | 7.682 | 0.000000 |
| Lohara 132kV | 06/01/2020 07:00:00 | 29 | 25000.0 | 11880.0 | 0.0 | -11880.0 | 47.52 | 8445.00 | -3.859 | 0.000000 |
| Lohara 132kV | 06/01/2020 07:15:00 | 30 | 25000.0 | 11880.0 | 0.0 | -11880.0 | 47.52 | 8445.00 | 4.815 | 5898.635045 |
| Lohara 132kV | 06/01/2020 07:30:00 | 31 | 25000.0 | 11890.0 | 0.0 | -11890.0 | 47.56 | 8460.00 | 4.178 | 0.000000 |
| Lohara 132kV | 06/01/2020 07:45:00 | 32 | 25000.0 | 11872.5 | 0.0 | -11872.5 | 47.49 | 8433.75 | -3.540 | 0.000000 |
| Lohara 132kV | 06/01/2020 08:00:00 | 33 | 25000.0 | 11867.5 | 0.0 | -11867.5 | 47.47 | 8426.25 | -3.859 | 0.000000 |
| Lohara 132kV | 06/01/2020 08:15:00 | 34 | 25000.0 | 11847.5 | 0.0 | -11847.5 | 47.39 | 8396.25 | -5.452 | 0.000000 |
| Lohara 132kV | 06/01/2020 08:30:00 | 35 | 25000.0 | 11860.0 | 0.0 | -11860.0 | 47.44 | 8415.00 | 4.178 | 0.000000 |
| Lohara 132kV | 06/01/2020 08:45:00 | 36 | 25000.0 | 11835.0 | 0.0 | -11835.0 | 47.34 | 8377.50 | -3.859 | 0.000000 |
| Lohara 132kV | 06/01/2020 09:00:00 | 37 | 25000.0 | 11837.5 | 0.0 | -11837.5 | 47.35 | 8381.25 | -6.407 | 0.000000 |
| Lohara 132kV | 06/01/2020 09:15:00 | 38 | 25000.0 | 11902.5 | 0.0 | -11902.5 | 47.61 | 8478.75 | -8.000 | 0.000000 |
| Lohara 132kV | 06/01/2020 09:30:00 | 39 | 25000.0 | 11825.0 | 0.0 | -11825.0 | 47.3 | 8362.50 | -5.770 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Lohara 132kV | 06/01/2020 09:45:00 | 40 | 25000.0 | 11880.0 | 0.0 | -11880.0 | 47.52 | 8445.00 | 3.222 | 0.000000 |
| Lohara 132kV | 06/01/2020 10:00:00 | 41 | 25000.0 | 7100.0 | 0.0 | -7100.0 | 28.4 | 2100.00 | -2.903 | 0.000000 |
| Lohara 132kV | 06/01/2020 10:15:00 | 42 | 25000.0 | 7065.0 | 0.0 | -7065.0 | 28.26 | 2065.00 | -3.222 | 0.000000 |
| Lohara 132kV | 06/01/2020 10:30:00 | 43 | 25000.0 | 10912.5 | 0.0 | -10912.5 | 43.65 | 6993.75 | 4.815 | 0.000000 |
| Lohara 132kV | 06/01/2020 10:45:00 | 44 | 25000.0 | 10040.0 | 0.0 | -10040.0 | 40.16 | 5685.00 | 4.496 | 0.000000 |
| Lohara 132kV | 06/01/2020 11:00:00 | 45 | 25000.0 | 10485.0 | 0.0 | -10485.0 | 41.94 | 6352.50 | 16.000 | 0.000000 |
| Lohara 132kV | 06/01/2020 11:15:00 | 46 | 25000.0 | 9315.0 | 0.0 | -9315.0 | 37.26 | 4597.50 | 5.133 | 0.000000 |
| Lohara 132kV | 06/01/2020 11:30:00 | 47 | 25000.0 | 8157.5 | 0.0 | -8157.5 | 32.63 | 3157.50 | 1.182 | 0.000000 |
| Lohara 132kV | 06/01/2020 11:45:00 | 48 | 25000.0 | 7162.5 | 0.0 | -7162.5 | 28.65 | 2162.50 | 6.308 | 0.000000 |
| Lohara 132kV | 06/01/2020 12:00:00 | 49 | 25000.0 | 6240.0 | 0.0 | -6240.0 | 24.96 | 1245.00 | 6.598 | 0.000000 |
| Lohara 132kV | 06/01/2020 12:15:00 | 50 | 25000.0 | 5277.5 | 0.0 | -5277.5 | 21.11 | 763.75 | 5.431 | 0.000000 |
| Lohara 132kV | 06/01/2020 12:30:00 | 51 | 25000.0 | 4700.0 | 0.0 | -4700.0 | 18.8 | 475.00 | 3.540 | 0.000000 |
| Lohara 132kV | 06/01/2020 12:45:00 | 52 | 25000.0 | 2267.5 | 0.0 | -2267.5 | 9.07 | 0.00 | -2.903 | 0.000000 |
| Lohara 132kV | 06/01/2020 13:00:00 | 53 | 25000.0 | 2247.5 | 0.0 | -2247.5 | 8.99 | 0.00 | -1.161 | 0.000000 |
| Lohara 132kV | 06/01/2020 13:15:00 | 54 | 25000.0 | 2260.0 | 0.0 | -2260.0 | 9.04 | 0.00 | 3.859 | 0.000000 |
| Lohara 132kV | 06/01/2020 13:30:00 | 55 | 25000.0 | 2235.0 | 0.0 | -2235.0 | 8.94 | 0.00 | -6.407 | 0.000000 |
| Lohara 132kV | 06/01/2020 13:45:00 | 56 | 25000.0 | 2237.5 | 0.0 | -2237.5 | 8.95 | 0.00 | 5.452 | 0.000000 |
| Lohara 132kV | 06/01/2020 14:00:00 | 57 | 25000.0 | 2302.5 | 0.0 | -2302.5 | 9.21 | 0.00 | 5.452 | 0.000000 |
| Lohara 132kV | 06/01/2020 14:15:00 | 58 | 25000.0 | 2225.0 | 0.0 | -2225.0 | 8.9 | 0.00 | 16.000 | 0.000000 |
| Lohara 132kV | 06/01/2020 14:30:00 | 59 | 25000.0 | 2280.0 | 0.0 | -2280.0 | 9.12 | 0.00 | 6.035 | 0.000000 |
| Lohara 132kV | 06/01/2020 14:45:00 | 60 | 25000.0 | 2300.0 | 0.0 | -2300.0 | 9.2 | 0.00 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Lohara 132kV | 06/01/2020 15:00:00 | 61 | 25000.0 | 2265.0 | 0.0 | -2265.0 | 9.06 | 0.00 | 3.367 | 0.000000 |
| Lohara 132kV | 06/01/2020 15:15:00 | 62 | 25000.0 | 2237.5 | 0.0 | -2237.5 | 8.95 | 0.00 | 3.904 | 0.000000 |
| Lohara 132kV | 06/01/2020 15:30:00 | 63 | 25000.0 | 2252.5 | 0.0 | -2252.5 | 9.01 | 0.00 | 4.482 | 0.000000 |
| Lohara 132kV | 06/01/2020 15:45:00 | 64 | 25000.0 | 2215.0 | 0.0 | -2215.0 | 8.86 | 0.00 | 4.225 | 0.000000 |
| Lohara 132kV | 06/01/2020 16:00:00 | 65 | 25000.0 | 2242.5 | 0.0 | -2242.5 | 8.97 | 0.00 | 2.895 | 0.000000 |
| Lohara 132kV | 06/01/2020 16:15:00 | 66 | 25000.0 | 2260.0 | 0.0 | -2260.0 | 9.04 | 0.00 | 6.089 | 0.000000 |
| Lohara 132kV | 06/01/2020 16:30:00 | 67 | 25000.0 | 2260.0 | 0.0 | -2260.0 | 9.04 | 0.00 | -8.000 | 0.000000 |
| Lohara 132kV | 06/01/2020 16:45:00 | 68 | 25000.0 | 2207.5 | 0.0 | -2207.5 | 8.83 | 0.00 | -4.178 | 0.000000 |
| Lohara 132kV | 06/01/2020 17:00:00 | 69 | 25000.0 | 2207.5 | 0.0 | -2207.5 | 8.83 | 0.00 | 1.742 | 0.000000 |
| Lohara 132kV | 06/01/2020 17:15:00 | 70 | 25000.0 | 2247.5 | 0.0 | -2247.5 | 8.99 | 0.00 | 2.903 | 0.000000 |
| Lohara 132kV | 06/01/2020 17:30:00 | 71 | 25000.0 | 2272.5 | 0.0 | -2272.5 | 9.09 | 0.00 | -4.178 | 0.000000 |
| Lohara 132kV | 06/01/2020 17:45:00 | 72 | 25000.0 | 2232.5 | 0.0 | -2232.5 | 8.93 | 0.00 | -2.323 | 0.000000 |
| Lohara 132kV | 06/01/2020 18:00:00 | 73 | 25000.0 | 2300.0 | 0.0 | -2300.0 | 9.2 | 0.00 | -2.903 | 0.000000 |
| Lohara 132kV | 06/01/2020 18:15:00 | 74 | 25000.0 | 2280.0 | 0.0 | -2280.0 | 9.12 | 0.00 | 1.161 | 592.935643 |
| Lohara 132kV | 06/01/2020 18:30:00 | 75 | 25000.0 | 2280.0 | 0.0 | -2280.0 | 9.12 | 0.00 | 2.903 | 1941.952631 |
| Lohara 132kV | 06/01/2020 18:45:00 | 76 | 25000.0 | 2290.0 | 0.0 | -2290.0 | 9.16 | 0.00 | 2.903 | 46.173774 |
| Lohara 132kV | 06/01/2020 19:00:00 | 77 | 25000.0 | 2272.5 | 0.0 | -2272.5 | 9.09 | 0.00 | -1.161 | 0.000000 |
| Lohara 132kV | 06/01/2020 19:15:00 | 78 | 25000.0 | 2267.5 | 0.0 | -2267.5 | 9.07 | 0.00 | -4.178 | 0.000000 |
| Lohara 132kV | 06/01/2020 19:30:00 | 79 | 25000.0 | 2247.5 | 0.0 | -2247.5 | 8.99 | 0.00 | -2.323 | 0.000000 |
| Lohara 132kV | 06/01/2020 19:45:00 | 80 | 25000.0 | 2260.0 | 0.0 | -2260.0 | 9.04 | 0.00 | -4.178 | 0.000000 |
| Lohara 132kV | 06/01/2020 20:00:00 | 81 | 25000.0 | 2235.0 | 0.0 | -2235.0 | 8.94 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Lohara 132kV | 06/01/2020 20:15:00 | 82 | 25000.0 | 2237.5 | 0.0 | -2237.5 | 8.95 | 0.00 | -5.770 | 0.000000 |
| Lohara 132kV | 06/01/2020 20:30:00 | 83 | 25000.0 | 2302.5 | 0.0 | -2302.5 | 9.21 | 0.00 | 5.770 | 313.722946 |
| Lohara 132kV | 06/01/2020 20:45:00 | 84 | 25000.0 | 2225.0 | 0.0 | -2225.0 | 8.9 | 0.00 | 4.178 | 920.156181 |
| Lohara 132kV | 06/01/2020 21:00:00 | 85 | 25000.0 | 2280.0 | 0.0 | -2280.0 | 9.12 | 0.00 | 3.222 | 498.812579 |
| Lohara 132kV | 06/01/2020 21:15:00 | 86 | 25000.0 | 2300.0 | 0.0 | -2300.0 | 9.2 | 0.00 | -1.742 | 0.000000 |
| Lohara 132kV | 06/01/2020 21:30:00 | 87 | 25000.0 | 2265.0 | 0.0 | -2265.0 | 9.06 | 0.00 | 0.000 | 0.000000 |
| Lohara 132kV | 06/01/2020 21:45:00 | 88 | 25000.0 | 2237.5 | 0.0 | -2237.5 | 8.95 | 0.00 | 1.161 | 0.000000 |
| Lohara 132kV | 06/01/2020 22:00:00 | 89 | 25000.0 | 2252.5 | 0.0 | -2252.5 | 9.01 | 0.00 | 4.815 | 1318.899747 |
| Lohara 132kV | 06/01/2020 22:15:00 | 90 | 25000.0 | 2215.0 | 0.0 | -2215.0 | 8.86 | 0.00 | 3.859 | 1338.083849 |
| Lohara 132kV | 06/01/2020 22:30:00 | 91 | 25000.0 | 2242.5 | 0.0 | -2242.5 | 8.97 | 0.00 | 1.742 | 0.000000 |
| Lohara 132kV | 06/01/2020 22:45:00 | 92 | 25000.0 | 2260.0 | 0.0 | -2260.0 | 9.04 | 0.00 | -2.323 | 0.000000 |
| Lohara 132kV | 06/01/2020 23:00:00 | 93 | 25000.0 | 2260.0 | 0.0 | -2260.0 | 9.04 | 0.00 | -2.903 | 0.000000 |
| Lohara 132kV | 06/01/2020 23:15:00 | 94 | 25000.0 | 2207.5 | 0.0 | -2207.5 | 8.83 | 0.00 | 2.323 | 0.000000 |
| Lohara 132kV | 06/01/2020 23:30:00 | 95 | 25000.0 | 2207.5 | 0.0 | -2207.5 | 8.83 | 0.00 | -3.222 | 0.000000 |
| Lohara 132kV | 06/01/2020 23:45:00 | 96 | 25000.0 | 2247.5 | 0.0 | -2247.5 | 8.99 | 0.00 | 2.323 | 0.000000 |
| Lohara 132kV | 07/01/2020 00:00:00 | 1 | 25000.0 | 4210.0 | 0.0 | -4210.0 | 16.84 | 230.00 | -0.549 | 0.000000 |
| Lohara 132kV | 07/01/2020 00:15:00 | 2 | 25000.0 | 4180.0 | 0.0 | -4180.0 | 16.72 | 215.00 | -1.647 | 0.000000 |
| Lohara 132kV | 07/01/2020 00:30:00 | 3 | 25000.0 | 4210.0 | 0.0 | -4210.0 | 16.84 | 230.00 | -3.073 | 0.000000 |
| Lohara 132kV | 07/01/2020 00:45:00 | 4 | 25000.0 | 4182.5 | 0.0 | -4182.5 | 16.73 | 216.25 | -2.744 | 0.000000 |
| Lohara 132kV | 07/01/2020 01:00:00 | 5 | 25000.0 | 4210.0 | 0.0 | -4210.0 | 16.84 | 230.00 | -4.058 | 0.000000 |
| Lohara 132kV | 07/01/2020 01:15:00 | 6 | 25000.0 | 4215.0 | 0.0 | -4215.0 | 16.86 | 232.50 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Lohara 132kV | 07/01/2020 01:30:00 | 7 | 25000.0 | 4192.5 | 0.0 | -4192.5 | 16.77 | 221.25 | -3.401 | 0.000000 |
| Lohara 132kV | 07/01/2020 01:45:00 | 8 | 25000.0 | 4202.5 | 0.0 | -4202.5 | 16.81 | 226.25 | 3.730 | 0.000000 |
| Lohara 132kV | 07/01/2020 02:00:00 | 9 | 25000.0 | 4265.0 | 0.0 | -4265.0 | 17.06 | 257.50 | 3.073 | 928.522285 |
| Lohara 132kV | 07/01/2020 02:15:00 | 10 | 25000.0 | 4197.5 | 0.0 | -4197.5 | 16.79 | 223.75 | 3.073 | 408.625275 |
| Lohara 132kV | 07/01/2020 02:30:00 | 11 | 25000.0 | 4232.5 | 0.0 | -4232.5 | 16.93 | 241.25 | 3.401 | 576.305938 |
| Lohara 132kV | 07/01/2020 02:45:00 | 12 | 25000.0 | 3585.0 | 0.0 | -3585.0 | 14.34 | 0.00 | 2.745 | 486.865718 |
| Lohara 132kV | 07/01/2020 03:00:00 | 13 | 25000.0 | 3570.0 | 0.0 | -3570.0 | 14.28 | 0.00 | 1.647 | 0.000000 |
| Lohara 132kV | 07/01/2020 03:15:00 | 14 | 25000.0 | 3540.0 | 0.0 | -3540.0 | 14.16 | 0.00 | 2.196 | 227.100493 |
| Lohara 132kV | 07/01/2020 03:30:00 | 15 | 25000.0 | 3570.0 | 0.0 | -3570.0 | 14.28 | 0.00 | 1.647 | 304.701903 |
| Lohara 132kV | 07/01/2020 03:45:00 | 16 | 25000.0 | 3542.5 | 0.0 | -3542.5 | 14.17 | 0.00 | 1.098 | 0.000000 |
| Lohara 132kV | 07/01/2020 04:00:00 | 17 | 25000.0 | 3570.0 | 0.0 | -3570.0 | 14.28 | 0.00 | 1.647 | 1307.333684 |
| Lohara 132kV | 07/01/2020 04:15:00 | 18 | 25000.0 | 3575.0 | 0.0 | -3575.0 | 14.3 | 0.00 | 2.210 | 2559.550276 |
| Lohara 132kV | 07/01/2020 04:30:00 | 19 | 25000.0 | 3552.5 | 0.0 | -3552.5 | 14.21 | 0.00 | 3.730 | 3591.548284 |
| Lohara 132kV | 07/01/2020 04:45:00 | 20 | 25000.0 | 3562.5 | 0.0 | -3562.5 | 14.25 | 0.00 | -1.098 | 0.000000 |
| Lohara 132kV | 07/01/2020 05:00:00 | 21 | 25000.0 | 3625.0 | 0.0 | -3625.0 | 14.5 | 0.00 | -2.744 | 0.000000 |
| Lohara 132kV | 07/01/2020 05:15:00 | 22 | 25000.0 | 3557.5 | 0.0 | -3557.5 | 14.23 | 0.00 | 3.730 | 1827.553418 |
| Lohara 132kV | 07/01/2020 05:30:00 | 23 | 25000.0 | 3592.5 | 0.0 | -3592.5 | 14.37 | 0.00 | 3.073 | 4146.105141 |
| Lohara 132kV | 07/01/2020 05:45:00 | 24 | 25000.0 | 3597.5 | 0.0 | -3597.5 | 14.39 | 0.00 | 3.730 | 3225.374742 |
| Lohara 132kV | 07/01/2020 06:00:00 | 25 | 25000.0 | 3570.0 | 0.0 | -3570.0 | 14.28 | 0.00 | -5.372 | 0.000000 |
| Lohara 132kV | 07/01/2020 06:15:00 | 26 | 25000.0 | 3540.0 | 0.0 | -3540.0 | 14.16 | 0.00 | 4.556 | 11795.626457 |
| Lohara 132kV | 07/01/2020 06:30:00 | 27 | 25000.0 | 3570.0 | 0.0 | -3570.0 | 14.28 | 0.00 | 7.148 | 20596.005431 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Lohara 132kV | 07/01/2020 06:45:00 | 28 | 25000.0 | 3542.5 | 0.0 | -3542.5 | 14.17 | 0.00 | 7.821 | 18740.581101 |
| Lohara 132kV | 07/01/2020 07:00:00 | 29 | 25000.0 | 3570.0 | 0.0 | -3570.0 | 14.28 | 0.00 | 5.372 | 9487.088056 |
| Lohara 132kV | 07/01/2020 07:15:00 | 30 | 25000.0 | 3575.0 | 0.0 | -3575.0 | 14.3 | 0.00 | 16.000 | 0.000000 |
| Lohara 132kV | 07/01/2020 07:30:00 | 31 | 25000.0 | 7240.0 | 0.0 | -7240.0 | 28.96 | 2240.00 | 9.296 | 0.000000 |
| Lohara 132kV | 07/01/2020 07:45:00 | 32 | 25000.0 | 7242.5 | 0.0 | -7242.5 | 28.97 | 2242.50 | 9.794 | 0.000000 |
| Lohara 132kV | 07/01/2020 08:00:00 | 33 | 25000.0 | 7305.0 | 0.0 | -7305.0 | 29.22 | 2305.00 | 3.593 | 0.000000 |
| Lohara 132kV | 07/01/2020 08:15:00 | 34 | 25000.0 | 7237.5 | 0.0 | -7237.5 | 28.95 | 2237.50 | 3.401 | 0.000000 |
| Lohara 132kV | 07/01/2020 08:30:00 | 35 | 25000.0 | 7272.5 | 0.0 | -7272.5 | 29.09 | 2272.50 | 3.245 | 0.000000 |
| Lohara 132kV | 07/01/2020 08:45:00 | 36 | 25000.0 | 7277.5 | 0.0 | -7277.5 | 29.11 | 2277.50 | 0.000 | 0.000000 |
| Lohara 132kV | 07/01/2020 09:00:00 | 37 | 25000.0 | 7250.0 | 0.0 | -7250.0 | 29.0 | 2250.00 | 2.745 | 0.000000 |
| Lohara 132kV | 07/01/2020 09:15:00 | 38 | 25000.0 | 2737.5 | 0.0 | -2737.5 | 10.95 | 0.00 | 4.715 | 0.000000 |
| Lohara 132kV | 07/01/2020 09:30:00 | 39 | 25000.0 | 2757.5 | 0.0 | -2757.5 | 11.03 | 0.00 | 3.981 | 0.000000 |
| Lohara 132kV | 07/01/2020 09:45:00 | 40 | 25000.0 | 2610.0 | 0.0 | -2610.0 | 10.44 | 0.00 | 3.730 | 0.000000 |
| Lohara 132kV | 07/01/2020 10:00:00 | 41 | 25000.0 | 2630.0 | 0.0 | -2630.0 | 10.52 | 0.00 | 1.780 | 0.000000 |
| Lohara 132kV | 07/01/2020 10:15:00 | 42 | 25000.0 | 2432.5 | 0.0 | -2432.5 | 9.73 | 0.00 | 5.643 | 0.000000 |
| Lohara 132kV | 07/01/2020 10:30:00 | 43 | 25000.0 | 2422.5 | 0.0 | -2422.5 | 9.69 | 0.00 | 4.976 | 0.000000 |
| Lohara 132kV | 07/01/2020 10:45:00 | 44 | 25000.0 | 1617.5 | 0.0 | -1617.5 | 6.47 | 0.00 | 4.415 | 0.000000 |
| Lohara 132kV | 07/01/2020 11:00:00 | 45 | 25000.0 | 1495.0 | 0.0 | -1495.0 | 5.98 | 0.00 | 4.476 | 0.000000 |
| Lohara 132kV | 07/01/2020 11:15:00 | 46 | 25000.0 | 1545.0 | 0.0 | -1545.0 | 6.18 | 0.00 | 4.826 | 0.000000 |
| Lohara 132kV | 07/01/2020 11:30:00 | 47 | 25000.0 | 1312.5 | 0.0 | -1312.5 | 5.25 | 0.00 | 2.289 | 0.000000 |
| Lohara 132kV | 07/01/2020 11:45:00 | 48 | 25000.0 | 1335.0 | 0.0 | -1335.0 | 5.34 | 0.00 | -0.549 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Lohara 132kV | 07/01/2020 12:00:00 | 49 | 25000.0 | 1382.5 | 0.0 | -1382.5 | 5.53 | 0.00 | 4.727 | 0.000000 |
| Lohara 132kV | 07/01/2020 12:15:00 | 50 | 25000.0 | 340.0 | 0.0 | -340.0 | 1.36 | 0.00 | 4.777 | 0.000000 |
| Lohara 132kV | 07/01/2020 12:30:00 | 51 | 25000.0 | 1780.0 | 0.0 | -1780.0 | 7.12 | 0.00 | 4.798 | 0.000000 |
| Lohara 132kV | 07/01/2020 12:45:00 | 52 | 25000.0 | 1782.5 | 0.0 | -1782.5 | 7.13 | 0.00 | -3.401 | 0.000000 |
| Lohara 132kV | 07/01/2020 13:00:00 | 53 | 25000.0 | 1810.0 | 0.0 | -1810.0 | 7.24 | 0.00 | -2.431 | 0.000000 |
| Lohara 132kV | 07/01/2020 13:15:00 | 54 | 25000.0 | 1312.5 | 0.0 | -1312.5 | 5.25 | 0.00 | -4.387 | 0.000000 |
| Lohara 132kV | 07/01/2020 13:30:00 | 55 | 25000.0 | 1335.0 | 0.0 | -1335.0 | 5.34 | 0.00 | -3.401 | 0.000000 |
| Lohara 132kV | 07/01/2020 13:45:00 | 56 | 25000.0 | 1382.5 | 0.0 | -1382.5 | 5.53 | 0.00 | -5.044 | 0.000000 |
| Lohara 132kV | 07/01/2020 14:00:00 | 57 | 25000.0 | 1370.0 | 0.0 | -1370.0 | 5.48 | 0.00 | 4.215 | 0.000000 |
| Lohara 132kV | 07/01/2020 14:15:00 | 58 | 25000.0 | 1370.0 | 0.0 | -1370.0 | 5.48 | 0.00 | 9.552 | 0.000000 |
| Lohara 132kV | 07/01/2020 14:30:00 | 59 | 25000.0 | 1355.0 | 0.0 | -1355.0 | 5.42 | 0.00 | 6.358 | 0.000000 |
| Lohara 132kV | 07/01/2020 14:45:00 | 60 | 25000.0 | 1385.0 | 0.0 | -1385.0 | 5.54 | 0.00 | 2.744 | 0.000000 |
| Lohara 132kV | 07/01/2020 15:00:00 | 61 | 25000.0 | 1312.5 | 0.0 | -1312.5 | 5.25 | 0.00 | -3.073 | 0.000000 |
| Lohara 132kV | 07/01/2020 15:15:00 | 62 | 25000.0 | 1335.0 | 0.0 | -1335.0 | 5.34 | 0.00 | -4.058 | 0.000000 |
| Lohara 132kV | 07/01/2020 15:30:00 | 63 | 25000.0 | 1382.5 | 0.0 | -1382.5 | 5.53 | 0.00 | -4.831 | 0.000000 |
| Lohara 132kV | 07/01/2020 15:45:00 | 64 | 25000.0 | 1370.0 | 0.0 | -1370.0 | 5.48 | 0.00 | -5.372 | 0.000000 |
| Lohara 132kV | 07/01/2020 16:00:00 | 65 | 25000.0 | 1370.0 | 0.0 | -1370.0 | 5.48 | 0.00 | 2.196 | 0.000000 |
| Lohara 132kV | 07/01/2020 16:15:00 | 66 | 25000.0 | 1355.0 | 0.0 | -1355.0 | 5.42 | 0.00 | -3.401 | 0.000000 |
| Lohara 132kV | 07/01/2020 16:30:00 | 67 | 25000.0 | 1385.0 | 0.0 | -1385.0 | 5.54 | 0.00 | 4.738 | 0.000000 |
| Lohara 132kV | 07/01/2020 16:45:00 | 68 | 25000.0 | 1312.5 | 0.0 | -1312.5 | 5.25 | 0.00 | 7.343 | 0.000000 |
| Lohara 132kV | 07/01/2020 17:00:00 | 69 | 25000.0 | 1335.0 | 0.0 | -1335.0 | 5.34 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Lohara 132kV | 07/01/2020 17:15:00 | 70 | 25000.0 | 1382.5 | 0.0 | -1382.5 | 5.53 | 0.00 | 2.744 | 229.973522 |
| Lohara 132kV | 07/01/2020 17:30:00 | 71 | 25000.0 | 1370.0 | 0.0 | -1370.0 | 5.48 | 0.00 | 3.401 | 90.460330 |
| Lohara 132kV | 07/01/2020 17:45:00 | 72 | 25000.0 | 1370.0 | 0.0 | -1370.0 | 5.48 | 0.00 | -2.745 | 0.000000 |
| Lohara 132kV | 07/01/2020 18:00:00 | 73 | 25000.0 | 1355.0 | 0.0 | -1355.0 | 5.42 | 0.00 | -3.073 | 0.000000 |
| Lohara 132kV | 07/01/2020 18:15:00 | 74 | 25000.0 | 1385.0 | 0.0 | -1385.0 | 5.54 | 0.00 | -5.372 | 0.000000 |
| Lohara 132kV | 07/01/2020 18:30:00 | 75 | 25000.0 | 1312.5 | 0.0 | -1312.5 | 5.25 | 0.00 | 3.401 | 0.000000 |
| Lohara 132kV | 07/01/2020 18:45:00 | 76 | 25000.0 | 1335.0 | 0.0 | -1335.0 | 5.34 | 0.00 | -3.401 | 0.000000 |
| Lohara 132kV | 07/01/2020 19:00:00 | 77 | 25000.0 | 1382.5 | 0.0 | -1382.5 | 5.53 | 0.00 | -3.730 | 0.000000 |
| Lohara 132kV | 07/01/2020 19:15:00 | 78 | 25000.0 | 1370.0 | 0.0 | -1370.0 | 5.48 | 0.00 | -4.715 | 0.000000 |
| Lohara 132kV | 07/01/2020 19:30:00 | 79 | 25000.0 | 1370.0 | 0.0 | -1370.0 | 5.48 | 0.00 | -4.058 | 0.000000 |
| Lohara 132kV | 07/01/2020 19:45:00 | 80 | 25000.0 | 1355.0 | 0.0 | -1355.0 | 5.42 | 0.00 | -2.210 | 0.000000 |
| Lohara 132kV | 07/01/2020 20:00:00 | 81 | 25000.0 | 1385.0 | 0.0 | -1385.0 | 5.54 | 0.00 | -2.348 | 0.000000 |
| Lohara 132kV | 07/01/2020 20:15:00 | 82 | 25000.0 | 1282.5 | 0.0 | -1282.5 | 5.13 | 0.00 | 4.387 | 2001.536157 |
| Lohara 132kV | 07/01/2020 20:30:00 | 83 | 25000.0 | 1320.0 | 0.0 | -1320.0 | 5.28 | 0.00 | 3.816 | 2693.709585 |
| Lohara 132kV | 07/01/2020 20:45:00 | 84 | 25000.0 | 1322.5 | 0.0 | -1322.5 | 5.29 | 0.00 | 3.401 | 649.791889 |
| Lohara 132kV | 07/01/2020 21:00:00 | 85 | 25000.0 | 1330.0 | 0.0 | -1330.0 | 5.32 | 0.00 | -4.058 | 0.000000 |
| Lohara 132kV | 07/01/2020 21:15:00 | 86 | 25000.0 | 1300.0 | 0.0 | -1300.0 | 5.2 | 0.00 | 1.647 | 689.045649 |
| Lohara 132kV | 07/01/2020 21:30:00 | 87 | 25000.0 | 1330.0 | 0.0 | -1330.0 | 5.32 | 0.00 | 2.196 | 424.115753 |
| Lohara 132kV | 07/01/2020 21:45:00 | 88 | 25000.0 | 1302.5 | 0.0 | -1302.5 | 5.21 | 0.00 | -2.196 | 0.000000 |
| Lohara 132kV | 07/01/2020 22:00:00 | 89 | 25000.0 | 1330.0 | 0.0 | -1330.0 | 5.32 | 0.00 | -3.257 | 0.000000 |
| Lohara 132kV | 07/01/2020 22:15:00 | 90 | 25000.0 | 1335.0 | 0.0 | -1335.0 | 5.34 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Lohara 132kV | 07/01/2020 22:30:00 | 91 | 25000.0 | 1312.5 | 0.0 | -1312.5 | 5.25 | 0.00 | -1.098 | 0.000000 |
| Lohara 132kV | 07/01/2020 22:45:00 | 92 | 25000.0 | 10442.5 | 0.0 | -10442.5 | 41.77 | 6288.75 | -1.647 | 0.000000 |
| Lohara 132kV | 07/01/2020 23:00:00 | 93 | 25000.0 | 10505.0 | 0.0 | -10505.0 | 42.02 | 6382.50 | -3.401 | 0.000000 |
| Lohara 132kV | 07/01/2020 23:15:00 | 94 | 25000.0 | 10437.5 | 0.0 | -10437.5 | 41.75 | 6281.25 | 1.647 | 0.000000 |
| Lohara 132kV | 07/01/2020 23:30:00 | 95 | 25000.0 | 10472.5 | 0.0 | -10472.5 | 41.89 | 6333.75 | -2.196 | 0.000000 |
| Lohara 132kV | 07/01/2020 23:45:00 | 96 | 25000.0 | 10477.5 | 0.0 | -10477.5 | 41.91 | 6341.25 | -0.549 | 0.000000 |
| Lohara 132kV | 08/01/2020 00:00:00 | 1 | 25000.0 | 11265.0 | 0.0 | -11265.0 | 45.06 | 7522.50 | -2.220 | 0.000000 |
| Lohara 132kV | 08/01/2020 00:15:00 | 2 | 25000.0 | 11250.0 | 0.0 | -11250.0 | 45.0 | 7500.00 | -3.101 | 0.000000 |
| Lohara 132kV | 08/01/2020 00:30:00 | 3 | 25000.0 | 11220.0 | 0.0 | -11220.0 | 44.88 | 7455.00 | -3.101 | 0.000000 |
| Lohara 132kV | 08/01/2020 00:45:00 | 4 | 25000.0 | 11250.0 | 0.0 | -11250.0 | 45.0 | 7500.00 | -2.424 | 0.000000 |
| Lohara 132kV | 08/01/2020 01:00:00 | 5 | 25000.0 | 11222.5 | 0.0 | -11222.5 | 44.89 | 7458.75 | -2.170 | 0.000000 |
| Lohara 132kV | 08/01/2020 01:15:00 | 6 | 25000.0 | 11250.0 | 0.0 | -11250.0 | 45.0 | 7500.00 | -1.761 | 0.000000 |
| Lohara 132kV | 08/01/2020 01:30:00 | 7 | 25000.0 | 11255.0 | 0.0 | -11255.0 | 45.02 | 7507.50 | -1.665 | 0.000000 |
| Lohara 132kV | 08/01/2020 01:45:00 | 8 | 25000.0 | 11232.5 | 0.0 | -11232.5 | 44.93 | 7473.75 | -1.665 | 0.000000 |
| Lohara 132kV | 08/01/2020 02:00:00 | 9 | 25000.0 | 11242.5 | 0.0 | -11242.5 | 44.97 | 7488.75 | -1.110 | 0.000000 |
| Lohara 132kV | 08/01/2020 02:15:00 | 10 | 25000.0 | 11305.0 | 0.0 | -11305.0 | 45.22 | 7582.50 | -1.347 | 0.000000 |
| Lohara 132kV | 08/01/2020 02:30:00 | 11 | 25000.0 | 11237.5 | 0.0 | -11237.5 | 44.95 | 7481.25 | -3.101 | 0.000000 |
| Lohara 132kV | 08/01/2020 02:45:00 | 12 | 25000.0 | 11272.5 | 0.0 | -11272.5 | 45.09 | 7533.75 | -2.220 | 0.000000 |
| Lohara 132kV | 08/01/2020 03:00:00 | 13 | 25000.0 | 11277.5 | 0.0 | -11277.5 | 45.11 | 7541.25 | -3.428 | 0.000000 |
| Lohara 132kV | 08/01/2020 03:15:00 | 14 | 25000.0 | 11250.0 | 0.0 | -11250.0 | 45.0 | 7500.00 | -2.220 | 0.000000 |
| Lohara 132kV | 08/01/2020 03:30:00 | 15 | 25000.0 | 11220.0 | 0.0 | -11220.0 | 44.88 | 7455.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Lohara 132kV | 08/01/2020 03:45:00 | 16 | 25000.0 | 11250.0 | 0.0 | -11250.0 | 45.0 | 7500.00 | -2.775 | 0.000000 |
| Lohara 132kV | 08/01/2020 04:00:00 | 17 | 25000.0 | 11222.5 | 0.0 | -11222.5 | 44.89 | 7458.75 | -3.101 | 0.000000 |
| Lohara 132kV | 08/01/2020 04:15:00 | 18 | 25000.0 | 11255.0 | 0.0 | -11255.0 | 45.02 | 7507.50 | -1.665 | 0.000000 |
| Lohara 132kV | 08/01/2020 04:30:00 | 19 | 25000.0 | 11232.5 | 0.0 | -11232.5 | 44.93 | 7473.75 | -2.220 | 0.000000 |
| Lohara 132kV | 08/01/2020 04:45:00 | 20 | 25000.0 | 11242.5 | 0.0 | -11242.5 | 44.97 | 7488.75 | -2.775 | 0.000000 |
| Lohara 132kV | 08/01/2020 05:00:00 | 21 | 25000.0 | 11305.0 | 0.0 | -11305.0 | 45.22 | 7582.50 | -1.110 | 0.000000 |
| Lohara 132kV | 08/01/2020 05:15:00 | 22 | 25000.0 | 11237.5 | 0.0 | -11237.5 | 44.95 | 7481.25 | 2.775 | 541.513289 |
| Lohara 132kV | 08/01/2020 05:30:00 | 23 | 25000.0 | 11272.5 | 0.0 | -11272.5 | 45.09 | 7533.75 | -3.428 | 0.000000 |
| Lohara 132kV | 08/01/2020 05:45:00 | 24 | 25000.0 | 3570.0 | 0.0 | -3570.0 | 14.28 | 0.00 | -2.775 | 0.000000 |
| Lohara 132kV | 08/01/2020 06:00:00 | 25 | 25000.0 | 3540.0 | 0.0 | -3540.0 | 14.16 | 0.00 | -2.220 | 0.000000 |
| Lohara 132kV | 08/01/2020 06:15:00 | 26 | 25000.0 | 3570.0 | 0.0 | -3570.0 | 14.28 | 0.00 | 2.220 | 730.939403 |
| Lohara 132kV | 08/01/2020 06:30:00 | 27 | 25000.0 | 3542.5 | 0.0 | -3542.5 | 14.17 | 0.00 | 5.387 | 6376.366662 |
| Lohara 132kV | 08/01/2020 06:45:00 | 28 | 25000.0 | 3570.0 | 0.0 | -3570.0 | 14.28 | 0.00 | -4.734 | 0.000000 |
| Lohara 132kV | 08/01/2020 07:00:00 | 29 | 25000.0 | 3575.0 | 0.0 | -3575.0 | 14.3 | 0.00 | -4.407 | 0.000000 |
| Lohara 132kV | 08/01/2020 07:15:00 | 30 | 25000.0 | 3552.5 | 0.0 | -3552.5 | 14.21 | 0.00 | 5.061 | 6261.578110 |
| Lohara 132kV | 08/01/2020 07:30:00 | 31 | 25000.0 | 3562.5 | 0.0 | -3562.5 | 14.25 | 0.00 | 5.714 | 6008.157073 |
| Lohara 132kV | 08/01/2020 07:45:00 | 32 | 25000.0 | 3625.0 | 0.0 | -3625.0 | 14.5 | 0.00 | 5.061 | 2403.499654 |
| Lohara 132kV | 08/01/2020 08:00:00 | 33 | 25000.0 | 3557.5 | 0.0 | -3557.5 | 14.23 | 0.00 | 2.775 | 0.000000 |
| Lohara 132kV | 08/01/2020 08:15:00 | 34 | 25000.0 | 3592.5 | 0.0 | -3592.5 | 14.37 | 0.00 | 2.775 | 0.000000 |
| Lohara 132kV | 08/01/2020 08:30:00 | 35 | 25000.0 | 3597.5 | 0.0 | -3597.5 | 14.39 | 0.00 | 5.387 | 0.000000 |
| Lohara 132kV | 08/01/2020 08:45:00 | 36 | 25000.0 | 3570.0 | 0.0 | -3570.0 | 14.28 | 0.00 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Lohara 132kV | 08/01/2020 09:00:00 | 37 | 25000.0 | 3540.0 | 0.0 | -3540.0 | 14.16 | 0.00 | 7.673 | 0.000000 |
| Lohara 132kV | 08/01/2020 09:15:00 | 38 | 25000.0 | 3570.0 | 0.0 | -3570.0 | 14.28 | 0.00 | 7.673 | 0.000000 |
| Lohara 132kV | 08/01/2020 09:30:00 | 39 | 25000.0 | 3542.5 | 0.0 | -3542.5 | 14.17 | 0.00 | 3.101 | 0.000000 |
| Lohara 132kV | 08/01/2020 09:45:00 | 40 | 25000.0 | 3570.0 | 0.0 | -3570.0 | 14.28 | 0.00 | -3.101 | 0.000000 |
| Lohara 132kV | 08/01/2020 10:00:00 | 41 | 25000.0 | 3575.0 | 0.0 | -3575.0 | 14.3 | 0.00 | -3.101 | 0.000000 |
| Lohara 132kV | 08/01/2020 10:15:00 | 42 | 25000.0 | 3552.5 | 0.0 | -3552.5 | 14.21 | 0.00 | -3.101 | 0.000000 |
| Lohara 132kV | 08/01/2020 10:30:00 | 43 | 25000.0 | 3562.5 | 0.0 | -3562.5 | 14.25 | 0.00 | -1.665 | 0.000000 |
| Lohara 132kV | 08/01/2020 10:45:00 | 44 | 25000.0 | 3625.0 | 0.0 | -3625.0 | 14.5 | 0.00 | 0.000 | 0.000000 |
| Lohara 132kV | 08/01/2020 11:00:00 | 45 | 25000.0 | 3557.5 | 0.0 | -3557.5 | 14.23 | 0.00 | -1.486 | 0.000000 |
| Lohara 132kV | 08/01/2020 11:15:00 | 46 | 25000.0 | 3592.5 | 0.0 | -3592.5 | 14.37 | 0.00 | -1.305 | 0.000000 |
| Lohara 132kV | 08/01/2020 11:30:00 | 47 | 25000.0 | 3597.5 | 0.0 | -3597.5 | 14.39 | 0.00 | -2.425 | 0.000000 |
| Lohara 132kV | 08/01/2020 11:45:00 | 48 | 25000.0 | 3570.0 | 0.0 | -3570.0 | 14.28 | 0.00 | -2.775 | 0.000000 |
| Lohara 132kV | 08/01/2020 12:00:00 | 49 | 25000.0 | 6167.5 | 0.0 | -6167.5 | 24.67 | 1208.75 | -2.083 | 0.000000 |
| Lohara 132kV | 08/01/2020 12:15:00 | 50 | 25000.0 | 6152.5 | 0.0 | -6152.5 | 24.61 | 1201.25 | -3.242 | 0.000000 |
| Lohara 132kV | 08/01/2020 12:30:00 | 51 | 25000.0 | 5987.5 | 0.0 | -5987.5 | 23.95 | 1118.75 | -1.330 | 0.000000 |
| Lohara 132kV | 08/01/2020 12:45:00 | 52 | 25000.0 | 5792.5 | 0.0 | -5792.5 | 23.17 | 1021.25 | -0.830 | 0.000000 |
| Lohara 132kV | 08/01/2020 13:00:00 | 53 | 25000.0 | 5620.0 | 0.0 | -5620.0 | 22.48 | 935.00 | 2.775 | 0.000000 |
| Lohara 132kV | 08/01/2020 13:15:00 | 54 | 25000.0 | 5460.0 | 0.0 | -5460.0 | 21.84 | 855.00 | 0.000 | 0.000000 |
| Lohara 132kV | 08/01/2020 13:30:00 | 55 | 25000.0 | 5317.5 | 0.0 | -5317.5 | 21.27 | 783.75 | -1.012 | 0.000000 |
| Lohara 132kV | 08/01/2020 13:45:00 | 56 | 25000.0 | 1975.0 | 0.0 | -1975.0 | 7.9 | 0.00 | -1.087 | 0.000000 |
| Lohara 132kV | 08/01/2020 14:00:00 | 57 | 25000.0 | 2022.5 | 0.0 | -2022.5 | 8.09 | 0.00 | -3.101 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Lohara 132kV | 08/01/2020 14:15:00 | 58 | 25000.0 | 2010.0 | 0.0 | -2010.0 | 8.04 | 0.00 | -4.081 | 0.000000 |
| Lohara 132kV | 08/01/2020 14:30:00 | 59 | 25000.0 | 2010.0 | 0.0 | -2010.0 | 8.04 | 0.00 | -2.996 | 0.000000 |
| Lohara 132kV | 08/01/2020 14:45:00 | 60 | 25000.0 | 1995.0 | 0.0 | -1995.0 | 7.98 | 0.00 | -3.101 | 0.000000 |
| Lohara 132kV | 08/01/2020 15:00:00 | 61 | 25000.0 | 1952.5 | 0.0 | -1952.5 | 7.81 | 0.00 | -1.879 | 0.000000 |
| Lohara 132kV | 08/01/2020 15:15:00 | 62 | 25000.0 | 1975.0 | 0.0 | -1975.0 | 7.9 | 0.00 | -4.081 | 0.000000 |
| Lohara 132kV | 08/01/2020 15:30:00 | 63 | 25000.0 | 2022.5 | 0.0 | -2022.5 | 8.09 | 0.00 | 4.938 | 0.000000 |
| Lohara 132kV | 08/01/2020 15:45:00 | 64 | 25000.0 | 2010.0 | 0.0 | -2010.0 | 8.04 | 0.00 | 4.719 | 0.000000 |
| Lohara 132kV | 08/01/2020 16:00:00 | 65 | 25000.0 | 2010.0 | 0.0 | -2010.0 | 8.04 | 0.00 | 0.555 | 0.000000 |
| Lohara 132kV | 08/01/2020 16:15:00 | 66 | 25000.0 | 1355.0 | 0.0 | -1355.0 | 5.42 | 0.00 | -4.081 | 0.000000 |
| Lohara 132kV | 08/01/2020 16:30:00 | 67 | 25000.0 | 2342.5 | 0.0 | -2342.5 | 9.37 | 0.00 | -3.754 | 0.000000 |
| Lohara 132kV | 08/01/2020 16:45:00 | 68 | 25000.0 | 2330.0 | 0.0 | -2330.0 | 9.32 | 0.00 | -8.000 | 0.000000 |
| Lohara 132kV | 08/01/2020 17:00:00 | 69 | 25000.0 | 2330.0 | 0.0 | -2330.0 | 9.32 | 0.00 | 0.000 | 0.000000 |
| Lohara 132kV | 08/01/2020 17:15:00 | 70 | 25000.0 | 2315.0 | 0.0 | -2315.0 | 9.26 | 0.00 | 4.081 | 444.075764 |
| Lohara 132kV | 08/01/2020 17:30:00 | 71 | 25000.0 | 2345.0 | 0.0 | -2345.0 | 9.38 | 0.00 | -5.387 | 0.000000 |
| Lohara 132kV | 08/01/2020 17:45:00 | 72 | 25000.0 | 2272.5 | 0.0 | -2272.5 | 9.09 | 0.00 | -3.101 | 0.000000 |
| Lohara 132kV | 08/01/2020 18:00:00 | 73 | 25000.0 | 2295.0 | 0.0 | -2295.0 | 9.18 | 0.00 | -2.775 | 0.000000 |
| Lohara 132kV | 08/01/2020 18:15:00 | 74 | 25000.0 | 2342.5 | 0.0 | -2342.5 | 9.37 | 0.00 | -3.101 | 0.000000 |
| Lohara 132kV | 08/01/2020 18:30:00 | 75 | 25000.0 | 2330.0 | 0.0 | -2330.0 | 9.32 | 0.00 | -2.220 | 0.000000 |
| Lohara 132kV | 08/01/2020 18:45:00 | 76 | 25000.0 | 2330.0 | 0.0 | -2330.0 | 9.32 | 0.00 | 2.220 | 1836.679638 |
| Lohara 132kV | 08/01/2020 19:00:00 | 77 | 25000.0 | 2315.0 | 0.0 | -2315.0 | 9.26 | 0.00 | 1.110 | 0.000000 |
| Lohara 132kV | 08/01/2020 19:15:00 | 78 | 25000.0 | 2345.0 | 0.0 | -2345.0 | 9.38 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Lohara 132kV | 08/01/2020 19:30:00 | 79 | 25000.0 | 3575.0 | 0.0 | -3575.0 | 14.3 | 0.00 | -2.220 | 0.000000 |
| Lohara 132kV | 08/01/2020 19:45:00 | 80 | 25000.0 | 3805.0 | 0.0 | -3805.0 | 15.22 | 27.50 | -0.555 | 0.000000 |
| Lohara 132kV | 08/01/2020 20:00:00 | 81 | 25000.0 | 3945.0 | 0.0 | -3945.0 | 15.78 | 97.50 | 2.775 | 0.000000 |
| Lohara 132kV | 08/01/2020 20:15:00 | 82 | 25000.0 | 4025.0 | 0.0 | -4025.0 | 16.1 | 137.50 | 3.101 | 6730.127926 |
| Lohara 132kV | 08/01/2020 20:30:00 | 83 | 25000.0 | 4232.5 | 0.0 | -4232.5 | 16.93 | 241.25 | 4.408 | 9587.496200 |
| Lohara 132kV | 08/01/2020 20:45:00 | 84 | 25000.0 | 4392.5 | 0.0 | -4392.5 | 17.57 | 321.25 | 3.101 | 2874.451725 |
| Lohara 132kV | 08/01/2020 21:00:00 | 85 | 25000.0 | 4802.5 | 0.0 | -4802.5 | 19.21 | 526.25 | 3.101 | 0.000000 |
| Lohara 132kV | 08/01/2020 21:15:00 | 86 | 25000.0 | 5000.0 | 0.0 | -5000.0 | 20.0 | 625.00 | -0.555 | 0.000000 |
| Lohara 132kV | 08/01/2020 21:30:00 | 87 | 25000.0 | 5145.0 | 0.0 | -5145.0 | 20.58 | 697.50 | -1.110 | 0.000000 |
| Lohara 132kV | 08/01/2020 21:45:00 | 88 | 25000.0 | 5352.5 | 0.0 | -5352.5 | 21.41 | 801.25 | -1.110 | 0.000000 |
| Lohara 132kV | 08/01/2020 22:00:00 | 89 | 25000.0 | 5757.5 | 0.0 | -5757.5 | 23.03 | 1003.75 | -2.489 | 0.000000 |
| Lohara 132kV | 08/01/2020 22:15:00 | 90 | 25000.0 | 5672.5 | 0.0 | -5672.5 | 22.69 | 961.25 | -2.775 | 0.000000 |
| Lohara 132kV | 08/01/2020 22:30:00 | 91 | 25000.0 | 4002.5 | 0.0 | -4002.5 | 16.01 | 126.25 | -2.223 | 0.000000 |
| Lohara 132kV | 08/01/2020 22:45:00 | 92 | 25000.0 | 4200.0 | 0.0 | -4200.0 | 16.8 | 225.00 | 1.110 | 0.000000 |
| Lohara 132kV | 08/01/2020 23:00:00 | 93 | 25000.0 | 4345.0 | 0.0 | -4345.0 | 17.38 | 297.50 | 1.110 | 463.876551 |
| Lohara 132kV | 08/01/2020 23:15:00 | 94 | 25000.0 | 4552.5 | 0.0 | -4552.5 | 18.21 | 401.25 | 1.110 | 0.000000 |
| Lohara 132kV | 08/01/2020 23:30:00 | 95 | 25000.0 | 4957.5 | 0.0 | -4957.5 | 19.83 | 603.75 | 2.775 | 45.066249 |
| Lohara 132kV | 08/01/2020 23:45:00 | 96 | 25000.0 | 4872.5 | 0.0 | -4872.5 | 19.49 | 561.25 | 0.000 | 0.000000 |
| Lohara 132kV | 09/01/2020 00:00:00 | 1 | 25000.0 | 3730.0 | 0.0 | -3730.0 | 14.92 | 0.00 | -0.576 | 0.000000 |
| Lohara 132kV | 09/01/2020 00:15:00 | 2 | 25000.0 | 3780.0 | 0.0 | -3780.0 | 15.12 | 15.00 | -1.727 | 0.000000 |
| Lohara 132kV | 09/01/2020 00:30:00 | 3 | 25000.0 | 3780.0 | 0.0 | -3780.0 | 15.12 | 15.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Lohara 132kV | 09/01/2020 00:45:00 | 4 | 25000.0 | 3712.5 | 0.0 | -3712.5 | 14.85 | 0.00 | -2.879 | 0.000000 |
| Lohara 132kV | 09/01/2020 01:00:00 | 5 | 25000.0 | 2290.0 | 0.0 | -2290.0 | 9.16 | 0.00 | -3.519 | 0.000000 |
| Lohara 132kV | 09/01/2020 01:15:00 | 6 | 25000.0 | 2272.5 | 0.0 | -2272.5 | 9.09 | 0.00 | -3.519 | 0.000000 |
| Lohara 132kV | 09/01/2020 01:30:00 | 7 | 25000.0 | 2290.0 | 0.0 | -2290.0 | 9.16 | 0.00 | -3.199 | 0.000000 |
| Lohara 132kV | 09/01/2020 01:45:00 | 8 | 25000.0 | 2280.0 | 0.0 | -2280.0 | 9.12 | 0.00 | 3.519 | 554.011553 |
| Lohara 132kV | 09/01/2020 02:00:00 | 9 | 25000.0 | 2277.5 | 0.0 | -2277.5 | 9.11 | 0.00 | 3.519 | 2507.317834 |
| Lohara 132kV | 09/01/2020 02:15:00 | 10 | 25000.0 | 2297.5 | 0.0 | -2297.5 | 9.19 | 0.00 | 2.879 | 1109.318710 |
| Lohara 132kV | 09/01/2020 02:30:00 | 11 | 25000.0 | 2272.5 | 0.0 | -2272.5 | 9.09 | 0.00 | 3.199 | 1578.676584 |
| Lohara 132kV | 09/01/2020 02:45:00 | 12 | 25000.0 | 2272.5 | 0.0 | -2272.5 | 9.09 | 0.00 | 1.152 | 0.000000 |
| Lohara 132kV | 09/01/2020 03:00:00 | 13 | 25000.0 | 2280.0 | 0.0 | -2280.0 | 9.12 | 0.00 | -2.879 | 0.000000 |
| Lohara 132kV | 09/01/2020 03:15:00 | 14 | 25000.0 | 2290.0 | 0.0 | -2290.0 | 9.16 | 0.00 | -3.839 | 0.000000 |
| Lohara 132kV | 09/01/2020 03:30:00 | 15 | 25000.0 | 2322.5 | 0.0 | -2322.5 | 9.29 | 0.00 | 3.199 | 0.000000 |
| Lohara 132kV | 09/01/2020 03:45:00 | 16 | 25000.0 | 2290.0 | 0.0 | -2290.0 | 9.16 | 0.00 | 0.000 | 0.000000 |
| Lohara 132kV | 09/01/2020 04:00:00 | 17 | 25000.0 | 2345.0 | 0.0 | -2345.0 | 9.38 | 0.00 | 1.727 | 0.000000 |
| Lohara 132kV | 09/01/2020 04:15:00 | 18 | 25000.0 | 2272.5 | 0.0 | -2272.5 | 9.09 | 0.00 | 1.727 | 0.000000 |
| Lohara 132kV | 09/01/2020 04:30:00 | 19 | 25000.0 | 2295.0 | 0.0 | -2295.0 | 9.18 | 0.00 | 1.727 | 0.000000 |
| Lohara 132kV | 09/01/2020 04:45:00 | 20 | 25000.0 | 2290.0 | 0.0 | -2290.0 | 9.16 | 0.00 | 2.879 | 1973.544980 |
| Lohara 132kV | 09/01/2020 05:00:00 | 21 | 25000.0 | 2272.5 | 0.0 | -2272.5 | 9.09 | 0.00 | 3.839 | 1134.383624 |
| Lohara 132kV | 09/01/2020 05:15:00 | 22 | 25000.0 | 2290.0 | 0.0 | -2290.0 | 9.16 | 0.00 | 5.119 | 3232.341385 |
| Lohara 132kV | 09/01/2020 05:30:00 | 23 | 25000.0 | 6820.0 | 0.0 | -6820.0 | 27.28 | 1820.00 | 4.064 | 17543.794566 |
| Lohara 132kV | 09/01/2020 05:45:00 | 24 | 25000.0 | 6775.0 | 0.0 | -6775.0 | 27.1 | 1775.00 | 1.152 | 47.796553 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Lohara 132kV | 09/01/2020 06:00:00 | 25 | 25000.0 | 6642.5 | 0.0 | -6642.5 | 26.57 | 1642.50 | -2.303 | 0.000000 |
| Lohara 132kV | 09/01/2020 06:15:00 | 26 | 25000.0 | 6345.0 | 0.0 | -6345.0 | 25.38 | 1345.00 | 2.303 | 4220.370916 |
| Lohara 132kV | 09/01/2020 06:30:00 | 27 | 25000.0 | 6340.0 | 0.0 | -6340.0 | 25.36 | 1340.00 | -3.839 | 0.000000 |
| Lohara 132kV | 09/01/2020 06:45:00 | 28 | 25000.0 | 6010.0 | 0.0 | -6010.0 | 24.04 | 1130.00 | -2.879 | 0.000000 |
| Lohara 132kV | 09/01/2020 07:00:00 | 29 | 25000.0 | 8857.5 | 0.0 | -8857.5 | 35.43 | 3911.25 | -2.879 | 0.000000 |
| Lohara 132kV | 09/01/2020 07:15:00 | 30 | 25000.0 | 8837.5 | 0.0 | -8837.5 | 35.35 | 3881.25 | 6.400 | 4396.715781 |
| Lohara 132kV | 09/01/2020 07:30:00 | 31 | 25000.0 | 8745.0 | 0.0 | -8745.0 | 34.98 | 3745.00 | 1.172 | 0.000000 |
| Lohara 132kV | 09/01/2020 07:45:00 | 32 | 25000.0 | 8562.5 | 0.0 | -8562.5 | 34.25 | 3562.50 | 0.576 | 0.000000 |
| Lohara 132kV | 09/01/2020 08:00:00 | 33 | 25000.0 | 8585.0 | 0.0 | -8585.0 | 34.34 | 3585.00 | -0.576 | 0.000000 |
| Lohara 132kV | 09/01/2020 08:15:00 | 34 | 25000.0 | 8425.0 | 0.0 | -8425.0 | 33.7 | 3425.00 | -1.152 | 0.000000 |
| Lohara 132kV | 09/01/2020 08:30:00 | 35 | 25000.0 | 8420.0 | 0.0 | -8420.0 | 33.68 | 3420.00 | 0.576 | 0.000000 |
| Lohara 132kV | 09/01/2020 08:45:00 | 36 | 25000.0 | 8255.0 | 0.0 | -8255.0 | 33.02 | 3255.00 | 0.000 | 0.000000 |
| Lohara 132kV | 09/01/2020 09:00:00 | 37 | 25000.0 | 7720.0 | 0.0 | -7720.0 | 30.88 | 2720.00 | 1.152 | 0.000000 |
| Lohara 132kV | 09/01/2020 09:15:00 | 38 | 25000.0 | 7560.0 | 0.0 | -7560.0 | 30.24 | 2560.00 | 1.727 | 0.000000 |
| Lohara 132kV | 09/01/2020 09:30:00 | 39 | 25000.0 | 7400.0 | 0.0 | -7400.0 | 29.6 | 2400.00 | -3.839 | 0.000000 |
| Lohara 132kV | 09/01/2020 09:45:00 | 40 | 25000.0 | 7240.0 | 0.0 | -7240.0 | 28.96 | 2240.00 | -1.152 | 0.000000 |
| Lohara 132kV | 09/01/2020 10:00:00 | 41 | 25000.0 | 7080.0 | 0.0 | -7080.0 | 28.32 | 2080.00 | 0.000 | 0.000000 |
| Lohara 132kV | 09/01/2020 10:15:00 | 42 | 25000.0 | 6920.0 | 0.0 | -6920.0 | 27.68 | 1920.00 | 1.727 | 0.000000 |
| Lohara 132kV | 09/01/2020 10:30:00 | 43 | 25000.0 | 4680.0 | 0.0 | -4680.0 | 18.72 | 465.00 | 2.303 | 0.000000 |
| Lohara 132kV | 09/01/2020 10:45:00 | 44 | 25000.0 | 4520.0 | 0.0 | -4520.0 | 18.08 | 385.00 | -1.144 | 0.000000 |
| Lohara 132kV | 09/01/2020 11:00:00 | 45 | 25000.0 | 4360.0 | 0.0 | -4360.0 | 17.44 | 305.00 | -4.479 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Lohara 132kV | 09/01/2020 11:15:00 | 46 | 25000.0 | 4200.0 | 0.0 | -4200.0 | 16.8 | 225.00 | -3.519 | 0.000000 |
| Lohara 132kV | 09/01/2020 11:30:00 | 47 | 25000.0 | 4040.0 | 0.0 | -4040.0 | 16.16 | 145.00 | -2.303 | 0.000000 |
| Lohara 132kV | 09/01/2020 11:45:00 | 48 | 25000.0 | 3880.0 | 0.0 | -3880.0 | 15.52 | 65.00 | -0.576 | 0.000000 |
| Lohara 132kV | 09/01/2020 12:00:00 | 49 | 25000.0 | 3597.5 | 0.0 | -3597.5 | 14.39 | 0.00 | 0.000 | 0.000000 |
| Lohara 132kV | 09/01/2020 12:15:00 | 50 | 25000.0 | 3570.0 | 0.0 | -3570.0 | 14.28 | 0.00 | 3.839 | 0.000000 |
| Lohara 132kV | 09/01/2020 12:30:00 | 51 | 25000.0 | 3540.0 | 0.0 | -3540.0 | 14.16 | 0.00 | 3.199 | 0.000000 |
| Lohara 132kV | 09/01/2020 12:45:00 | 52 | 25000.0 | 3570.0 | 0.0 | -3570.0 | 14.28 | 0.00 | 3.199 | 0.000000 |
| Lohara 132kV | 09/01/2020 13:00:00 | 53 | 25000.0 | 3542.5 | 0.0 | -3542.5 | 14.17 | 0.00 | -1.152 | 0.000000 |
| Lohara 132kV | 09/01/2020 13:15:00 | 54 | 25000.0 | 3570.0 | 0.0 | -3570.0 | 14.28 | 0.00 | -1.152 | 0.000000 |
| Lohara 132kV | 09/01/2020 13:30:00 | 55 | 25000.0 | 3575.0 | 0.0 | -3575.0 | 14.3 | 0.00 | 1.727 | 0.000000 |
| Lohara 132kV | 09/01/2020 13:45:00 | 56 | 25000.0 | 3552.5 | 0.0 | -3552.5 | 14.21 | 0.00 | 3.199 | 0.000000 |
| Lohara 132kV | 09/01/2020 14:00:00 | 57 | 25000.0 | 3562.5 | 0.0 | -3562.5 | 14.25 | 0.00 | 4.345 | 0.000000 |
| Lohara 132kV | 09/01/2020 14:15:00 | 58 | 25000.0 | 3625.0 | 0.0 | -3625.0 | 14.5 | 0.00 | 3.941 | 0.000000 |
| Lohara 132kV | 09/01/2020 14:30:00 | 59 | 25000.0 | 3557.5 | 0.0 | -3557.5 | 14.23 | 0.00 | 1.152 | 0.000000 |
| Lohara 132kV | 09/01/2020 14:45:00 | 60 | 25000.0 | 3592.5 | 0.0 | -3592.5 | 14.37 | 0.00 | -0.576 | 0.000000 |
| Lohara 132kV | 09/01/2020 15:00:00 | 61 | 25000.0 | 3597.5 | 0.0 | -3597.5 | 14.39 | 0.00 | -1.006 | 0.000000 |
| Lohara 132kV | 09/01/2020 15:15:00 | 62 | 25000.0 | 3570.0 | 0.0 | -3570.0 | 14.28 | 0.00 | 3.199 | 0.000000 |
| Lohara 132kV | 09/01/2020 15:30:00 | 63 | 25000.0 | 3540.0 | 0.0 | -3540.0 | 14.16 | 0.00 | 2.879 | 0.000000 |
| Lohara 132kV | 09/01/2020 15:45:00 | 64 | 25000.0 | 3570.0 | 0.0 | -3570.0 | 14.28 | 0.00 | 3.839 | 0.000000 |
| Lohara 132kV | 09/01/2020 16:00:00 | 65 | 25000.0 | 3542.5 | 0.0 | -3542.5 | 14.17 | 0.00 | 1.727 | 0.000000 |
| Lohara 132kV | 09/01/2020 16:15:00 | 66 | 25000.0 | 3570.0 | 0.0 | -3570.0 | 14.28 | 0.00 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Lohara 132kV | 09/01/2020 16:30:00 | 67 | 25000.0 | 3575.0 | 0.0 | -3575.0 | 14.3 | 0.00 | -4.159 | 0.000000 |
| Lohara 132kV | 09/01/2020 16:45:00 | 68 | 25000.0 | 2752.5 | 0.0 | -2752.5 | 11.01 | 0.00 | 3.839 | 0.000000 |
| Lohara 132kV | 09/01/2020 17:00:00 | 69 | 25000.0 | 2762.5 | 0.0 | -2762.5 | 11.05 | 0.00 | 1.727 | 0.000000 |
| Lohara 132kV | 09/01/2020 17:15:00 | 70 | 25000.0 | 2825.0 | 0.0 | -2825.0 | 11.3 | 0.00 | 3.839 | 970.997037 |
| Lohara 132kV | 09/01/2020 17:30:00 | 71 | 25000.0 | 2757.5 | 0.0 | -2757.5 | 11.03 | 0.00 | -2.879 | 0.000000 |
| Lohara 132kV | 09/01/2020 17:45:00 | 72 | 25000.0 | 2770.0 | 0.0 | -2770.0 | 11.08 | 0.00 | -4.146 | 0.000000 |
| Lohara 132kV | 09/01/2020 18:00:00 | 73 | 25000.0 | 2740.0 | 0.0 | -2740.0 | 10.96 | 0.00 | -3.349 | 0.000000 |
| Lohara 132kV | 09/01/2020 18:15:00 | 74 | 25000.0 | 2770.0 | 0.0 | -2770.0 | 11.08 | 0.00 | -4.563 | 0.000000 |
| Lohara 132kV | 09/01/2020 18:30:00 | 75 | 25000.0 | 2742.5 | 0.0 | -2742.5 | 10.97 | 0.00 | -3.839 | 0.000000 |
| Lohara 132kV | 09/01/2020 18:45:00 | 76 | 25000.0 | 2770.0 | 0.0 | -2770.0 | 11.08 | 0.00 | -2.879 | 0.000000 |
| Lohara 132kV | 09/01/2020 19:00:00 | 77 | 25000.0 | 2775.0 | 0.0 | -2775.0 | 11.1 | 0.00 | -3.199 | 0.000000 |
| Lohara 132kV | 09/01/2020 19:15:00 | 78 | 25000.0 | 2752.5 | 0.0 | -2752.5 | 11.01 | 0.00 | -1.727 | 0.000000 |
| Lohara 132kV | 09/01/2020 19:30:00 | 79 | 25000.0 | 2762.5 | 0.0 | -2762.5 | 11.05 | 0.00 | -1.442 | 0.000000 |
| Lohara 132kV | 09/01/2020 19:45:00 | 80 | 25000.0 | 7465.0 | 0.0 | -7465.0 | 29.86 | 2465.00 | -0.286 | 0.000000 |
| Lohara 132kV | 09/01/2020 20:00:00 | 81 | 25000.0 | 7397.5 | 0.0 | -7397.5 | 29.59 | 2397.50 | -1.070 | 0.000000 |
| Lohara 132kV | 09/01/2020 20:15:00 | 82 | 25000.0 | 7415.0 | 0.0 | -7415.0 | 29.66 | 2415.00 | -2.236 | 0.000000 |
| Lohara 132kV | 09/01/2020 20:30:00 | 83 | 25000.0 | 7392.5 | 0.0 | -7392.5 | 29.57 | 2392.50 | -4.799 | 0.000000 |
| Lohara 132kV | 09/01/2020 20:45:00 | 84 | 25000.0 | 7402.5 | 0.0 | -7402.5 | 29.61 | 2402.50 | -1.727 | 0.000000 |
| Lohara 132kV | 09/01/2020 21:00:00 | 85 | 25000.0 | 12905.0 | 0.0 | -12905.0 | 51.62 | 9982.50 | -1.727 | 0.000000 |
| Lohara 132kV | 09/01/2020 21:15:00 | 86 | 25000.0 | 12837.5 | 0.0 | -12837.5 | 51.35 | 9881.25 | 1.152 | 0.000000 |
| Lohara 132kV | 09/01/2020 21:30:00 | 87 | 25000.0 | 12850.0 | 0.0 | -12850.0 | 51.4 | 9900.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Lohara 132kV | 09/01/2020 21:45:00 | 88 | 25000.0 | 12820.0 | 0.0 | -12820.0 | 51.28 | 9855.00 | -2.303 | 0.000000 |
| Lohara 132kV | 09/01/2020 22:00:00 | 89 | 25000.0 | 12850.0 | 0.0 | -12850.0 | 51.4 | 9900.00 | -2.795 | 0.000000 |
| Lohara 132kV | 09/01/2020 22:15:00 | 90 | 25000.0 | 12822.5 | 0.0 | -12822.5 | 51.29 | 9858.75 | -3.674 | 0.000000 |
| Lohara 132kV | 09/01/2020 22:30:00 | 91 | 25000.0 | 14450.0 | 0.0 | -14450.0 | 57.8 | 12300.00 | -2.303 | 0.000000 |
| Lohara 132kV | 09/01/2020 22:45:00 | 92 | 25000.0 | 14455.0 | 0.0 | -14455.0 | 57.82 | 12307.50 | -1.152 | 0.000000 |
| Lohara 132kV | 09/01/2020 23:00:00 | 93 | 25000.0 | 14432.5 | 0.0 | -14432.5 | 57.73 | 12273.75 | 0.000 | 0.000000 |
| Lohara 132kV | 09/01/2020 23:15:00 | 94 | 25000.0 | 14442.5 | 0.0 | -14442.5 | 57.77 | 12288.75 | -0.576 | 0.000000 |
| Lohara 132kV | 09/01/2020 23:30:00 | 95 | 25000.0 | 14505.0 | 0.0 | -14505.0 | 58.02 | 12382.50 | -0.576 | 0.000000 |
| Lohara 132kV | 09/01/2020 23:45:00 | 96 | 25000.0 | 14437.5 | 0.0 | -14437.5 | 57.75 | 12281.25 | -0.987 | 0.000000 |
| Lohara 132kV | 10/01/2020 00:00:00 | 1 | 25000.0 | 13650.0 | 0.0 | -13650.0 | 54.6 | 11100.00 | -0.680 | 0.000000 |
| Lohara 132kV | 10/01/2020 00:15:00 | 2 | 25000.0 | 13700.0 | 0.0 | -13700.0 | 54.8 | 11175.00 | -3.326 | 0.000000 |
| Lohara 132kV | 10/01/2020 00:30:00 | 3 | 25000.0 | 13700.0 | 0.0 | -13700.0 | 54.8 | 11175.00 | -2.992 | 0.000000 |
| Lohara 132kV | 10/01/2020 00:45:00 | 4 | 25000.0 | 13632.5 | 0.0 | -13632.5 | 54.53 | 11073.75 | -0.532 | 0.000000 |
| Lohara 132kV | 10/01/2020 01:00:00 | 5 | 25000.0 | 13522.5 | 0.0 | -13522.5 | 54.09 | 10908.75 | -0.713 | 0.000000 |
| Lohara 132kV | 10/01/2020 01:15:00 | 6 | 25000.0 | 13705.0 | 0.0 | -13705.0 | 54.82 | 11182.50 | -0.548 | 0.000000 |
| Lohara 132kV | 10/01/2020 01:30:00 | 7 | 25000.0 | 13657.5 | 0.0 | -13657.5 | 54.63 | 11111.25 | -2.658 | 0.000000 |
| Lohara 132kV | 10/01/2020 01:45:00 | 8 | 25000.0 | 13545.0 | 0.0 | -13545.0 | 54.18 | 10942.50 | 2.127 | 0.000000 |
| Lohara 132kV | 10/01/2020 02:00:00 | 9 | 25000.0 | 13480.0 | 0.0 | -13480.0 | 53.92 | 10845.00 | 5.342 | 26412.304912 |
| Lohara 132kV | 10/01/2020 02:15:00 | 10 | 25000.0 | 13497.5 | 0.0 | -13497.5 | 53.99 | 10871.25 | 1.595 | 0.000000 |
| Lohara 132kV | 10/01/2020 02:30:00 | 11 | 25000.0 | 13385.0 | 0.0 | -13385.0 | 53.54 | 10702.50 | 3.326 | 0.000000 |
| Lohara 132kV | 10/01/2020 02:45:00 | 12 | 25000.0 | 13385.0 | 0.0 | -13385.0 | 53.54 | 10702.50 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Lohara 132kV | 10/01/2020 03:00:00 | 13 | 25000.0 | 13960.0 | 0.0 | -13960.0 | 55.84 | 11565.00 | 2.658 | 0.000000 |
| Lohara 132kV | 10/01/2020 03:15:00 | 14 | 25000.0 | 13865.0 | 0.0 | -13865.0 | 55.46 | 11422.50 | 2.127 | 2198.472913 |
| Lohara 132kV | 10/01/2020 03:30:00 | 15 | 25000.0 | 13847.5 | 0.0 | -13847.5 | 55.39 | 11396.25 | 2.127 | 2603.201133 |
| Lohara 132kV | 10/01/2020 03:45:00 | 16 | 25000.0 | 13710.0 | 0.0 | -13710.0 | 54.84 | 11190.00 | -1.063 | 0.000000 |
| Lohara 132kV | 10/01/2020 04:00:00 | 17 | 25000.0 | 13657.5 | 0.0 | -13657.5 | 54.63 | 11111.25 | 1.595 | 0.000000 |
| Lohara 132kV | 10/01/2020 04:15:00 | 18 | 25000.0 | 13545.0 | 0.0 | -13545.0 | 54.18 | 10942.50 | 3.326 | 8054.384195 |
| Lohara 132kV | 10/01/2020 04:30:00 | 19 | 25000.0 | 13497.5 | 0.0 | -13497.5 | 53.99 | 10871.25 | 3.326 | 0.000000 |
| Lohara 132kV | 10/01/2020 04:45:00 | 20 | 25000.0 | 13480.0 | 0.0 | -13480.0 | 53.92 | 10845.00 | 2.127 | 0.000000 |
| Lohara 132kV | 10/01/2020 05:00:00 | 21 | 25000.0 | 13507.5 | 0.0 | -13507.5 | 54.03 | 10886.25 | 2.992 | 0.000000 |
| Lohara 132kV | 10/01/2020 05:15:00 | 22 | 25000.0 | 13700.0 | 0.0 | -13700.0 | 54.8 | 11175.00 | 1.063 | 0.000000 |
| Lohara 132kV | 10/01/2020 05:30:00 | 23 | 25000.0 | 13700.0 | 0.0 | -13700.0 | 54.8 | 11175.00 | -2.658 | 0.000000 |
| Lohara 132kV | 10/01/2020 05:45:00 | 24 | 25000.0 | 13632.5 | 0.0 | -13632.5 | 54.53 | 11073.75 | 2.127 | 0.000000 |
| Lohara 132kV | 10/01/2020 06:00:00 | 25 | 25000.0 | 13522.5 | 0.0 | -13522.5 | 54.09 | 10908.75 | -2.127 | 0.000000 |
| Lohara 132kV | 10/01/2020 06:15:00 | 26 | 25000.0 | 13705.0 | 0.0 | -13705.0 | 54.82 | 11182.50 | 2.658 | 3476.806960 |
| Lohara 132kV | 10/01/2020 06:30:00 | 27 | 25000.0 | 12585.0 | 0.0 | -12585.0 | 50.34 | 9502.50 | -2.992 | 0.000000 |
| Lohara 132kV | 10/01/2020 06:45:00 | 28 | 25000.0 | 12567.5 | 0.0 | -12567.5 | 50.27 | 9476.25 | -3.077 | 0.000000 |
| Lohara 132kV | 10/01/2020 07:00:00 | 29 | 25000.0 | 12745.0 | 0.0 | -12745.0 | 50.98 | 9742.50 | -0.687 | 0.000000 |
| Lohara 132kV | 10/01/2020 07:15:00 | 30 | 25000.0 | 12567.5 | 0.0 | -12567.5 | 50.27 | 9476.25 | -2.658 | 0.000000 |
| Lohara 132kV | 10/01/2020 07:30:00 | 31 | 25000.0 | 12585.0 | 0.0 | -12585.0 | 50.34 | 9502.50 | -1.063 | 0.000000 |
| Lohara 132kV | 10/01/2020 07:45:00 | 32 | 25000.0 | 12375.0 | 0.0 | -12375.0 | 49.5 | 9187.50 | -2.658 | 0.000000 |
| Lohara 132kV | 10/01/2020 08:00:00 | 33 | 25000.0 | 12265.0 | 0.0 | -12265.0 | 49.06 | 9022.50 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Lohara 132kV | 10/01/2020 08:15:00 | 34 | 25000.0 | 12105.0 | 0.0 | -12105.0 | 48.42 | 8782.50 | -4.661 | 0.000000 |
| Lohara 132kV | 10/01/2020 08:30:00 | 35 | 25000.0 | 12087.5 | 0.0 | -12087.5 | 48.35 | 8756.25 | 5.663 | 0.000000 |
| Lohara 132kV | 10/01/2020 08:45:00 | 36 | 25000.0 | 11895.0 | 0.0 | -11895.0 | 47.58 | 8467.50 | 4.328 | 0.000000 |
| Lohara 132kV | 10/01/2020 09:00:00 | 37 | 25000.0 | 11882.5 | 0.0 | -11882.5 | 47.53 | 8448.75 | -4.995 | 0.000000 |
| Lohara 132kV | 10/01/2020 09:15:00 | 38 | 25000.0 | 11897.5 | 0.0 | -11897.5 | 47.59 | 8471.25 | -4.327 | 0.000000 |
| Lohara 132kV | 10/01/2020 09:30:00 | 39 | 25000.0 | 7895.0 | 0.0 | -7895.0 | 31.58 | 2895.00 | -2.127 | 0.000000 |
| Lohara 132kV | 10/01/2020 09:45:00 | 40 | 25000.0 | 7910.0 | 0.0 | -7910.0 | 31.64 | 2910.00 | -1.152 | 0.000000 |
| Lohara 132kV | 10/01/2020 10:00:00 | 41 | 25000.0 | 7712.5 | 0.0 | -7712.5 | 30.85 | 2712.50 | 0.000 | 0.000000 |
| Lohara 132kV | 10/01/2020 10:15:00 | 42 | 25000.0 | 7602.5 | 0.0 | -7602.5 | 30.41 | 2602.50 | -0.532 | 0.000000 |
| Lohara 132kV | 10/01/2020 10:30:00 | 43 | 25000.0 | 7540.0 | 0.0 | -7540.0 | 30.16 | 2540.00 | -1.063 | 0.000000 |
| Lohara 132kV | 10/01/2020 10:45:00 | 44 | 25000.0 | 7410.0 | 0.0 | -7410.0 | 29.64 | 2410.00 | 0.000 | 0.000000 |
| Lohara 132kV | 10/01/2020 11:00:00 | 45 | 25000.0 | 3557.5 | 0.0 | -3557.5 | 14.23 | 0.00 | 2.658 | 0.000000 |
| Lohara 132kV | 10/01/2020 11:15:00 | 46 | 25000.0 | 3592.5 | 0.0 | -3592.5 | 14.37 | 0.00 | 0.000 | 0.000000 |
| Lohara 132kV | 10/01/2020 11:30:00 | 47 | 25000.0 | 3597.5 | 0.0 | -3597.5 | 14.39 | 0.00 | -1.595 | 0.000000 |
| Lohara 132kV | 10/01/2020 11:45:00 | 48 | 25000.0 | 3570.0 | 0.0 | -3570.0 | 14.28 | 0.00 | 2.992 | 0.000000 |
| Lohara 132kV | 10/01/2020 12:00:00 | 49 | 25000.0 | 6167.5 | 0.0 | -6167.5 | 24.67 | 1208.75 | 0.000 | 0.000000 |
| Lohara 132kV | 10/01/2020 12:15:00 | 50 | 25000.0 | 6152.5 | 0.0 | -6152.5 | 24.61 | 1201.25 | 2.127 | 0.000000 |
| Lohara 132kV | 10/01/2020 12:30:00 | 51 | 25000.0 | 5987.5 | 0.0 | -5987.5 | 23.95 | 1118.75 | 1.595 | 0.000000 |
| Lohara 132kV | 10/01/2020 12:45:00 | 52 | 25000.0 | 5792.5 | 0.0 | -5792.5 | 23.17 | 1021.25 | -1.063 | 0.000000 |
| Lohara 132kV | 10/01/2020 13:00:00 | 53 | 25000.0 | 5620.0 | 0.0 | -5620.0 | 22.48 | 935.00 | 2.658 | 0.000000 |
| Lohara 132kV | 10/01/2020 13:15:00 | 54 | 25000.0 | 5460.0 | 0.0 | -5460.0 | 21.84 | 855.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Lohara 132kV | 10/01/2020 13:30:00 | 55 | 25000.0 | 5317.5 | 0.0 | -5317.5 | 21.27 | 783.75 | 2.127 | 0.000000 |
| Lohara 132kV | 10/01/2020 13:45:00 | 56 | 25000.0 | 1975.0 | 0.0 | -1975.0 | 7.9 | 0.00 | -3.326 | 0.000000 |
| Lohara 132kV | 10/01/2020 14:00:00 | 57 | 25000.0 | 2022.5 | 0.0 | -2022.5 | 8.09 | 0.00 | -2.992 | 0.000000 |
| Lohara 132kV | 10/01/2020 14:15:00 | 58 | 25000.0 | 2010.0 | 0.0 | -2010.0 | 8.04 | 0.00 | 3.660 | 0.000000 |
| Lohara 132kV | 10/01/2020 14:30:00 | 59 | 25000.0 | 2010.0 | 0.0 | -2010.0 | 8.04 | 0.00 | -2.127 | 0.000000 |
| Lohara 132kV | 10/01/2020 14:45:00 | 60 | 25000.0 | 1995.0 | 0.0 | -1995.0 | 7.98 | 0.00 | -2.127 | 0.000000 |
| Lohara 132kV | 10/01/2020 15:00:00 | 61 | 25000.0 | 1952.5 | 0.0 | -1952.5 | 7.81 | 0.00 | 0.000 | 0.000000 |
| Lohara 132kV | 10/01/2020 15:15:00 | 62 | 25000.0 | 1975.0 | 0.0 | -1975.0 | 7.9 | 0.00 | -2.992 | 0.000000 |
| Lohara 132kV | 10/01/2020 15:30:00 | 63 | 25000.0 | 2022.5 | 0.0 | -2022.5 | 8.09 | 0.00 | -4.995 | 0.000000 |
| Lohara 132kV | 10/01/2020 15:45:00 | 64 | 25000.0 | 2345.0 | 0.0 | -2345.0 | 9.38 | 0.00 | -4.327 | 0.000000 |
| Lohara 132kV | 10/01/2020 16:00:00 | 65 | 25000.0 | 2272.5 | 0.0 | -2272.5 | 9.09 | 0.00 | -4.995 | 0.000000 |
| Lohara 132kV | 10/01/2020 16:15:00 | 66 | 25000.0 | 2295.0 | 0.0 | -2295.0 | 9.18 | 0.00 | -8.000 | 0.000000 |
| Lohara 132kV | 10/01/2020 16:30:00 | 67 | 25000.0 | 1542.5 | 0.0 | -1542.5 | 6.17 | 0.00 | -8.000 | 0.000000 |
| Lohara 132kV | 10/01/2020 16:45:00 | 68 | 25000.0 | 1530.0 | 0.0 | -1530.0 | 6.12 | 0.00 | 4.327 | 0.000000 |
| Lohara 132kV | 10/01/2020 17:00:00 | 69 | 25000.0 | 1530.0 | 0.0 | -1530.0 | 6.12 | 0.00 | 0.532 | 0.000000 |
| Lohara 132kV | 10/01/2020 17:15:00 | 70 | 25000.0 | 1515.0 | 0.0 | -1515.0 | 6.06 | 0.00 | -1.595 | 0.000000 |
| Lohara 132kV | 10/01/2020 17:30:00 | 71 | 25000.0 | 1545.0 | 0.0 | -1545.0 | 6.18 | 0.00 | -2.658 | 0.000000 |
| Lohara 132kV | 10/01/2020 17:45:00 | 72 | 25000.0 | 1472.5 | 0.0 | -1472.5 | 5.89 | 0.00 | -2.127 | 0.000000 |
| Lohara 132kV | 10/01/2020 18:00:00 | 73 | 25000.0 | 1495.0 | 0.0 | -1495.0 | 5.98 | 0.00 | -1.461 | 0.000000 |
| Lohara 132kV | 10/01/2020 18:15:00 | 74 | 25000.0 | 1542.5 | 0.0 | -1542.5 | 6.17 | 0.00 | 3.326 | 542.059486 |
| Lohara 132kV | 10/01/2020 18:30:00 | 75 | 25000.0 | 1530.0 | 0.0 | -1530.0 | 6.12 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Lohara 132kV | 10/01/2020 18:45:00 | 76 | 25000.0 | 1530.0 | 0.0 | -1530.0 | 6.12 | 0.00 | 3.994 | 255.394310 |
| Lohara 132kV | 10/01/2020 19:00:00 | 77 | 25000.0 | 1515.0 | 0.0 | -1515.0 | 6.06 | 0.00 | -2.127 | 0.000000 |
| Lohara 132kV | 10/01/2020 19:15:00 | 78 | 25000.0 | 1545.0 | 0.0 | -1545.0 | 6.18 | 0.00 | -2.658 | 0.000000 |
| Lohara 132kV | 10/01/2020 19:30:00 | 79 | 25000.0 | 1542.5 | 0.0 | -1542.5 | 6.17 | 0.00 | -3.660 | 0.000000 |
| Lohara 132kV | 10/01/2020 19:45:00 | 80 | 25000.0 | 5850.0 | 0.0 | -5850.0 | 23.4 | 1050.00 | -3.326 | 0.000000 |
| Lohara 132kV | 10/01/2020 20:00:00 | 81 | 25000.0 | 5850.0 | 0.0 | -5850.0 | 23.4 | 1050.00 | 3.660 | 1426.047789 |
| Lohara 132kV | 10/01/2020 20:15:00 | 82 | 25000.0 | 5835.0 | 0.0 | -5835.0 | 23.34 | 1042.50 | 3.660 | 6108.378578 |
| Lohara 132kV | 10/01/2020 20:30:00 | 83 | 25000.0 | 5865.0 | 0.0 | -5865.0 | 23.46 | 1057.50 | 4.995 | 8716.334279 |
| Lohara 132kV | 10/01/2020 20:45:00 | 84 | 25000.0 | 5792.5 | 0.0 | -5792.5 | 23.17 | 1021.25 | 2.992 | 6087.509356 |
| Lohara 132kV | 10/01/2020 21:00:00 | 85 | 25000.0 | 12905.0 | 0.0 | -12905.0 | 51.62 | 9982.50 | -3.660 | 0.000000 |
| Lohara 132kV | 10/01/2020 21:15:00 | 86 | 25000.0 | 12837.5 | 0.0 | -12837.5 | 51.35 | 9881.25 | -1.595 | 0.000000 |
| Lohara 132kV | 10/01/2020 21:30:00 | 87 | 25000.0 | 12850.0 | 0.0 | -12850.0 | 51.4 | 9900.00 | -1.063 | 0.000000 |
| Lohara 132kV | 10/01/2020 21:45:00 | 88 | 25000.0 | 12820.0 | 0.0 | -12820.0 | 51.28 | 9855.00 | -0.532 | 0.000000 |
| Lohara 132kV | 10/01/2020 22:00:00 | 89 | 25000.0 | 12850.0 | 0.0 | -12850.0 | 51.4 | 9900.00 | -1.595 | 0.000000 |
| Lohara 132kV | 10/01/2020 22:15:00 | 90 | 25000.0 | 12822.5 | 0.0 | -12822.5 | 51.29 | 9858.75 | -2.127 | 0.000000 |
| Lohara 132kV | 10/01/2020 22:30:00 | 91 | 25000.0 | 11250.0 | 0.0 | -11250.0 | 45.0 | 7500.00 | 1.063 | 0.000000 |
| Lohara 132kV | 10/01/2020 22:45:00 | 92 | 25000.0 | 11255.0 | 0.0 | -11255.0 | 45.02 | 7507.50 | -2.658 | 0.000000 |
| Lohara 132kV | 10/01/2020 23:00:00 | 93 | 25000.0 | 11232.5 | 0.0 | -11232.5 | 44.93 | 7473.75 | -2.658 | 0.000000 |
| Lohara 132kV | 10/01/2020 23:15:00 | 94 | 25000.0 | 11242.5 | 0.0 | -11242.5 | 44.97 | 7488.75 | 0.000 | 0.000000 |
| Lohara 132kV | 10/01/2020 23:30:00 | 95 | 25000.0 | 11305.0 | 0.0 | -11305.0 | 45.22 | 7582.50 | 0.000 | 0.000000 |
| Lohara 132kV | 10/01/2020 23:45:00 | 96 | 25000.0 | 11237.5 | 0.0 | -11237.5 | 44.95 | 7481.25 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Lohara 132kV | 11/01/2020 00:00:00 | 1 | 25000.0 | 7895.0 | 0.0 | -7895.0 | 31.58 | 2895.00 | 0.000 | 0.000000 |
| Lohara 132kV | 11/01/2020 00:15:00 | 2 | 25000.0 | 7910.0 | 0.0 | -7910.0 | 31.64 | 2910.00 | -2.629 | 0.000000 |
| Lohara 132kV | 11/01/2020 00:30:00 | 3 | 25000.0 | 7712.5 | 0.0 | -7712.5 | 30.85 | 2712.50 | -1.577 | 0.000000 |
| Lohara 132kV | 11/01/2020 00:45:00 | 4 | 25000.0 | 7602.5 | 0.0 | -7602.5 | 30.41 | 2602.50 | 2.103 | 0.000000 |
| Lohara 132kV | 11/01/2020 01:00:00 | 5 | 25000.0 | 9385.0 | 0.0 | -9385.0 | 37.54 | 4702.50 | 2.964 | 4409.196230 |
| Lohara 132kV | 11/01/2020 01:15:00 | 6 | 25000.0 | 9367.5 | 0.0 | -9367.5 | 37.47 | 4676.25 | 1.052 | 617.803687 |
| Lohara 132kV | 11/01/2020 01:30:00 | 7 | 25000.0 | 9225.0 | 0.0 | -9225.0 | 36.9 | 4462.50 | 1.577 | 1083.197549 |
| Lohara 132kV | 11/01/2020 01:45:00 | 8 | 25000.0 | 9202.5 | 0.0 | -9202.5 | 36.81 | 4428.75 | -0.526 | 0.000000 |
| Lohara 132kV | 11/01/2020 02:00:00 | 9 | 25000.0 | 9225.0 | 0.0 | -9225.0 | 36.9 | 4462.50 | -0.403 | 0.000000 |
| Lohara 132kV | 11/01/2020 02:15:00 | 10 | 25000.0 | 9015.0 | 0.0 | -9015.0 | 36.06 | 4147.50 | -0.630 | 0.000000 |
| Lohara 132kV | 11/01/2020 02:30:00 | 11 | 25000.0 | 13527.5 | 0.0 | -13527.5 | 54.11 | 10916.25 | -0.526 | 0.000000 |
| Lohara 132kV | 11/01/2020 02:45:00 | 12 | 25000.0 | 13362.5 | 0.0 | -13362.5 | 53.45 | 10668.75 | -0.526 | 0.000000 |
| Lohara 132kV | 11/01/2020 03:00:00 | 13 | 25000.0 | 13327.5 | 0.0 | -13327.5 | 53.31 | 10616.25 | -1.051 | 0.000000 |
| Lohara 132kV | 11/01/2020 03:15:00 | 14 | 25000.0 | 13322.5 | 0.0 | -13322.5 | 53.29 | 10608.75 | 0.000 | 0.000000 |
| Lohara 132kV | 11/01/2020 03:30:00 | 15 | 25000.0 | 13220.0 | 0.0 | -13220.0 | 52.88 | 10455.00 | 0.000 | 0.000000 |
| Lohara 132kV | 11/01/2020 03:45:00 | 16 | 25000.0 | 13010.0 | 0.0 | -13010.0 | 52.04 | 10140.00 | 0.000 | 0.000000 |
| Lohara 132kV | 11/01/2020 04:00:00 | 17 | 25000.0 | 9497.5 | 0.0 | -9497.5 | 37.99 | 4871.25 | 0.000 | 0.000000 |
| Lohara 132kV | 11/01/2020 04:15:00 | 18 | 25000.0 | 9380.0 | 0.0 | -9380.0 | 37.52 | 4695.00 | -1.051 | 0.000000 |
| Lohara 132kV | 11/01/2020 04:30:00 | 19 | 25000.0 | 9317.5 | 0.0 | -9317.5 | 37.27 | 4601.25 | -2.964 | 0.000000 |
| Lohara 132kV | 11/01/2020 04:45:00 | 20 | 25000.0 | 9065.0 | 0.0 | -9065.0 | 36.26 | 4222.50 | -3.300 | 0.000000 |
| Lohara 132kV | 11/01/2020 05:00:00 | 21 | 25000.0 | 9042.5 | 0.0 | -9042.5 | 36.17 | 4188.75 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Lohara 132kV | 11/01/2020 05:15:00 | 22 | 25000.0 | 9177.5 | 0.0 | -9177.5 | 36.71 | 4391.25 | 5.314 | 11499.354725 |
| Lohara 132kV | 11/01/2020 05:30:00 | 23 | 25000.0 | 9065.0 | 0.0 | -9065.0 | 36.26 | 4222.50 | 2.964 | 5488.416122 |
| Lohara 132kV | 11/01/2020 05:45:00 | 24 | 25000.0 | 9047.5 | 0.0 | -9047.5 | 36.19 | 4196.25 | 2.103 | 0.000000 |
| Lohara 132kV | 11/01/2020 06:00:00 | 25 | 25000.0 | 8905.0 | 0.0 | -8905.0 | 35.62 | 3982.50 | 3.636 | 0.000000 |
| Lohara 132kV | 11/01/2020 06:15:00 | 26 | 25000.0 | 8855.0 | 0.0 | -8855.0 | 35.42 | 3907.50 | 2.964 | 0.000000 |
| Lohara 132kV | 11/01/2020 06:30:00 | 27 | 25000.0 | 7240.0 | 0.0 | -7240.0 | 28.96 | 2240.00 | 4.105 | 5318.724405 |
| Lohara 132kV | 11/01/2020 06:45:00 | 28 | 25000.0 | 7145.0 | 0.0 | -7145.0 | 28.58 | 2145.00 | 5.650 | 1104.990733 |
| Lohara 132kV | 11/01/2020 07:00:00 | 29 | 25000.0 | 6967.5 | 0.0 | -6967.5 | 27.87 | 1967.50 | 3.300 | 0.000000 |
| Lohara 132kV | 11/01/2020 07:15:00 | 30 | 25000.0 | 6972.5 | 0.0 | -6972.5 | 27.89 | 1972.50 | 5.314 | 0.000000 |
| Lohara 132kV | 11/01/2020 07:30:00 | 31 | 25000.0 | 6825.0 | 0.0 | -6825.0 | 27.3 | 1825.00 | 2.964 | 0.000000 |
| Lohara 132kV | 11/01/2020 07:45:00 | 32 | 25000.0 | 6760.0 | 0.0 | -6760.0 | 27.04 | 1760.00 | 2.103 | 0.000000 |
| Lohara 132kV | 11/01/2020 08:00:00 | 33 | 25000.0 | 6660.0 | 0.0 | -6660.0 | 26.64 | 1660.00 | -1.577 | 0.000000 |
| Lohara 132kV | 11/01/2020 08:15:00 | 34 | 25000.0 | 6600.0 | 0.0 | -6600.0 | 26.4 | 1600.00 | 3.300 | 0.000000 |
| Lohara 132kV | 11/01/2020 08:30:00 | 35 | 25000.0 | 6457.5 | 0.0 | -6457.5 | 25.83 | 1457.50 | 2.116 | 0.000000 |
| Lohara 132kV | 11/01/2020 08:45:00 | 36 | 25000.0 | 6345.0 | 0.0 | -6345.0 | 25.38 | 1345.00 | 2.964 | 0.000000 |
| Lohara 132kV | 11/01/2020 09:00:00 | 37 | 25000.0 | 5362.5 | 0.0 | -5362.5 | 21.45 | 806.25 | 6.681 | 0.000000 |
| Lohara 132kV | 11/01/2020 09:15:00 | 38 | 25000.0 | 5225.0 | 0.0 | -5225.0 | 20.9 | 737.50 | 6.657 | 0.000000 |
| Lohara 132kV | 11/01/2020 09:30:00 | 39 | 25000.0 | 4905.0 | 0.0 | -4905.0 | 19.62 | 577.50 | -6.322 | 0.000000 |
| Lohara 132kV | 11/01/2020 09:45:00 | 40 | 25000.0 | 4842.5 | 0.0 | -4842.5 | 19.37 | 546.25 | -2.103 | 0.000000 |
| Lohara 132kV | 11/01/2020 10:00:00 | 41 | 25000.0 | 4837.5 | 0.0 | -4837.5 | 19.35 | 543.75 | 0.526 | 0.000000 |
| Lohara 132kV | 11/01/2020 10:15:00 | 42 | 25000.0 | 4957.5 | 0.0 | -4957.5 | 19.83 | 603.75 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Lohara 132kV | 11/01/2020 10:30:00 | 43 | 25000.0 | 4872.5 | 0.0 | -4872.5 | 19.49 | 561.25 | 0.000 | 0.000000 |
| Lohara 132kV | 11/01/2020 10:45:00 | 44 | 25000.0 | 3232.5 | 0.0 | -3232.5 | 12.93 | 0.00 | 0.000 | 0.000000 |
| Lohara 132kV | 11/01/2020 11:00:00 | 45 | 25000.0 | 3250.0 | 0.0 | -3250.0 | 13.0 | 0.00 | 0.000 | 0.000000 |
| Lohara 132kV | 11/01/2020 11:15:00 | 46 | 25000.0 | 3240.0 | 0.0 | -3240.0 | 12.96 | 0.00 | -2.964 | 0.000000 |
| Lohara 132kV | 11/01/2020 11:30:00 | 47 | 25000.0 | 3237.5 | 0.0 | -3237.5 | 12.95 | 0.00 | -4.307 | 0.000000 |
| Lohara 132kV | 11/01/2020 11:45:00 | 48 | 25000.0 | 3257.5 | 0.0 | -3257.5 | 13.03 | 0.00 | -3.300 | 0.000000 |
| Lohara 132kV | 11/01/2020 12:00:00 | 49 | 25000.0 | 3232.5 | 0.0 | -3232.5 | 12.93 | 0.00 | -0.526 | 0.000000 |
| Lohara 132kV | 11/01/2020 12:15:00 | 50 | 25000.0 | 3232.5 | 0.0 | -3232.5 | 12.93 | 0.00 | -2.103 | 0.000000 |
| Lohara 132kV | 11/01/2020 12:30:00 | 51 | 25000.0 | 3240.0 | 0.0 | -3240.0 | 12.96 | 0.00 | -2.629 | 0.000000 |
| Lohara 132kV | 11/01/2020 12:45:00 | 52 | 25000.0 | 3250.0 | 0.0 | -3250.0 | 13.0 | 0.00 | -2.629 | 0.000000 |
| Lohara 132kV | 11/01/2020 13:00:00 | 53 | 25000.0 | 3282.5 | 0.0 | -3282.5 | 13.13 | 0.00 | 0.000 | 0.000000 |
| Lohara 132kV | 11/01/2020 13:15:00 | 54 | 25000.0 | 3250.0 | 0.0 | -3250.0 | 13.0 | 0.00 | -2.103 | 0.000000 |
| Lohara 132kV | 11/01/2020 13:30:00 | 55 | 25000.0 | 3305.0 | 0.0 | -3305.0 | 13.22 | 0.00 | 2.629 | 0.000000 |
| Lohara 132kV | 11/01/2020 13:45:00 | 56 | 25000.0 | 3232.5 | 0.0 | -3232.5 | 12.93 | 0.00 | 2.103 | 0.000000 |
| Lohara 132kV | 11/01/2020 14:00:00 | 57 | 25000.0 | 3255.0 | 0.0 | -3255.0 | 13.02 | 0.00 | 1.051 | 0.000000 |
| Lohara 132kV | 11/01/2020 14:15:00 | 58 | 25000.0 | 3250.0 | 0.0 | -3250.0 | 13.0 | 0.00 | 3.300 | 0.000000 |
| Lohara 132kV | 11/01/2020 14:30:00 | 59 | 25000.0 | 3232.5 | 0.0 | -3232.5 | 12.93 | 0.00 | -3.636 | 0.000000 |
| Lohara 132kV | 11/01/2020 14:45:00 | 60 | 25000.0 | 3250.0 | 0.0 | -3250.0 | 13.0 | 0.00 | 4.979 | 0.000000 |
| Lohara 132kV | 11/01/2020 15:00:00 | 61 | 25000.0 | 3250.0 | 0.0 | -3250.0 | 13.0 | 0.00 | -2.964 | 0.000000 |
| Lohara 132kV | 11/01/2020 15:15:00 | 62 | 25000.0 | 3232.5 | 0.0 | -3232.5 | 12.93 | 0.00 | -5.314 | 0.000000 |
| Lohara 132kV | 11/01/2020 15:30:00 | 63 | 25000.0 | 3250.0 | 0.0 | -3250.0 | 13.0 | 0.00 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Lohara 132kV | 11/01/2020 15:45:00 | 64 | 25000.0 | 3240.0 | 0.0 | -3240.0 | 12.96 | 0.00 | 4.643 | 0.000000 |
| Lohara 132kV | 11/01/2020 16:00:00 | 65 | 25000.0 | 3237.5 | 0.0 | -3237.5 | 12.95 | 0.00 | 2.103 | 0.000000 |
| Lohara 132kV | 11/01/2020 16:15:00 | 66 | 25000.0 | 3257.5 | 0.0 | -3257.5 | 13.03 | 0.00 | -2.964 | 0.000000 |
| Lohara 132kV | 11/01/2020 16:30:00 | 67 | 25000.0 | 3232.5 | 0.0 | -3232.5 | 12.93 | 0.00 | -2.103 | 0.000000 |
| Lohara 132kV | 11/01/2020 16:45:00 | 68 | 25000.0 | 3232.5 | 0.0 | -3232.5 | 12.93 | 0.00 | 3.972 | 0.000000 |
| Lohara 132kV | 11/01/2020 17:00:00 | 69 | 25000.0 | 3240.0 | 0.0 | -3240.0 | 12.96 | 0.00 | -1.577 | 0.000000 |
| Lohara 132kV | 11/01/2020 17:15:00 | 70 | 25000.0 | 3250.0 | 0.0 | -3250.0 | 13.0 | 0.00 | -1.577 | 0.000000 |
| Lohara 132kV | 11/01/2020 17:30:00 | 71 | 25000.0 | 3282.5 | 0.0 | -3282.5 | 13.13 | 0.00 | 1.051 | 41.882548 |
| Lohara 132kV | 11/01/2020 17:45:00 | 72 | 25000.0 | 3250.0 | 0.0 | -3250.0 | 13.0 | 0.00 | -2.103 | 0.000000 |
| Lohara 132kV | 11/01/2020 18:00:00 | 73 | 25000.0 | 1975.0 | 0.0 | -1975.0 | 7.9 | 0.00 | -2.964 | 0.000000 |
| Lohara 132kV | 11/01/2020 18:15:00 | 74 | 25000.0 | 2022.5 | 0.0 | -2022.5 | 8.09 | 0.00 | -2.629 | 0.000000 |
| Lohara 132kV | 11/01/2020 18:30:00 | 75 | 25000.0 | 2010.0 | 0.0 | -2010.0 | 8.04 | 0.00 | 2.103 | 70.656512 |
| Lohara 132kV | 11/01/2020 18:45:00 | 76 | 25000.0 | 2010.0 | 0.0 | -2010.0 | 8.04 | 0.00 | 0.526 | 206.882929 |
| Lohara 132kV | 11/01/2020 19:00:00 | 77 | 25000.0 | 1995.0 | 0.0 | -1995.0 | 7.98 | 0.00 | 2.103 | 815.549145 |
| Lohara 132kV | 11/01/2020 19:15:00 | 78 | 25000.0 | 1952.5 | 0.0 | -1952.5 | 7.81 | 0.00 | -1.052 | 0.000000 |
| Lohara 132kV | 11/01/2020 19:30:00 | 79 | 25000.0 | 2420.0 | 0.0 | -2420.0 | 9.68 | 0.00 | 2.964 | 0.000000 |
| Lohara 132kV | 11/01/2020 19:45:00 | 80 | 25000.0 | 2502.5 | 0.0 | -2502.5 | 10.01 | 0.00 | 2.629 | 1861.451870 |
| Lohara 132kV | 11/01/2020 20:00:00 | 81 | 25000.0 | 2455.0 | 0.0 | -2455.0 | 9.82 | 0.00 | 2.629 | 399.258398 |
| Lohara 132kV | 11/01/2020 20:15:00 | 82 | 25000.0 | 2502.5 | 0.0 | -2502.5 | 10.01 | 0.00 | 4.307 | 1342.028988 |
| Lohara 132kV | 11/01/2020 20:30:00 | 83 | 25000.0 | 2490.0 | 0.0 | -2490.0 | 9.96 | 0.00 | 2.964 | 3423.777678 |
| Lohara 132kV | 11/01/2020 20:45:00 | 84 | 25000.0 | 2490.0 | 0.0 | -2490.0 | 9.96 | 0.00 | 2.629 | 2938.954075 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Lohara 132kV | 11/01/2020 21:00:00 | 85 | 25000.0 | 2475.0 | 0.0 | -2475.0 | 9.9 | 0.00 | 3.636 | 530.560888 |
| Lohara 132kV | 11/01/2020 21:15:00 | 86 | 25000.0 | 4992.5 | 0.0 | -4992.5 | 19.97 | 621.25 | -1.577 | 0.000000 |
| Lohara 132kV | 11/01/2020 21:30:00 | 87 | 25000.0 | 5015.0 | 0.0 | -5015.0 | 20.06 | 632.50 | -1.577 | 0.000000 |
| Lohara 132kV | 11/01/2020 21:45:00 | 88 | 25000.0 | 5062.5 | 0.0 | -5062.5 | 20.25 | 656.25 | -1.052 | 0.000000 |
| Lohara 132kV | 11/01/2020 22:00:00 | 89 | 25000.0 | 5015.0 | 0.0 | -5015.0 | 20.06 | 632.50 | -5.650 | 0.000000 |
| Lohara 132kV | 11/01/2020 22:15:00 | 90 | 25000.0 | 5062.5 | 0.0 | -5062.5 | 20.25 | 656.25 | -5.650 | 0.000000 |
| Lohara 132kV | 11/01/2020 22:30:00 | 91 | 25000.0 | 13850.0 | 0.0 | -13850.0 | 55.4 | 11400.00 | 4.979 | 6677.869112 |
| Lohara 132kV | 11/01/2020 22:45:00 | 92 | 25000.0 | 13850.0 | 0.0 | -13850.0 | 55.4 | 11400.00 | 2.964 | 8697.562785 |
| Lohara 132kV | 11/01/2020 23:00:00 | 93 | 25000.0 | 13835.0 | 0.0 | -13835.0 | 55.34 | 11377.50 | 1.577 | 2163.347730 |
| Lohara 132kV | 11/01/2020 23:15:00 | 94 | 25000.0 | 13792.5 | 0.0 | -13792.5 | 55.17 | 11313.75 | 1.074 | 1764.056603 |
| Lohara 132kV | 11/01/2020 23:30:00 | 95 | 25000.0 | 13815.0 | 0.0 | -13815.0 | 55.26 | 11347.50 | 2.113 | 7964.187528 |
| Lohara 132kV | 11/01/2020 23:45:00 | 96 | 25000.0 | 13862.5 | 0.0 | -13862.5 | 55.45 | 11418.75 | 2.162 | 10302.670397 |
| Lohara 132kV | 12/01/2020 00:00:00 | 1 | 25000.0 | 10775.0 | 0.0 | -10775.0 | 43.1 | 6787.50 | 3.022 | 6627.355966 |
| Lohara 132kV | 12/01/2020 00:15:00 | 2 | 25000.0 | 10790.0 | 0.0 | -10790.0 | 43.16 | 6810.00 | -2.152 | 0.000000 |
| Lohara 132kV | 12/01/2020 00:30:00 | 3 | 25000.0 | 10592.5 | 0.0 | -10592.5 | 42.37 | 6513.75 | -2.152 | 0.000000 |
| Lohara 132kV | 12/01/2020 00:45:00 | 4 | 25000.0 | 13362.5 | 0.0 | -13362.5 | 53.45 | 10668.75 | -3.022 | 0.000000 |
| Lohara 132kV | 12/01/2020 01:00:00 | 5 | 25000.0 | 13300.0 | 0.0 | -13300.0 | 53.2 | 10575.00 | -0.629 | 0.000000 |
| Lohara 132kV | 12/01/2020 01:15:00 | 6 | 25000.0 | 13170.0 | 0.0 | -13170.0 | 52.68 | 10380.00 | -3.317 | 0.000000 |
| Lohara 132kV | 12/01/2020 01:30:00 | 7 | 25000.0 | 12740.0 | 0.0 | -12740.0 | 50.96 | 9735.00 | -3.354 | 0.000000 |
| Lohara 132kV | 12/01/2020 01:45:00 | 8 | 25000.0 | 12562.5 | 0.0 | -12562.5 | 50.25 | 9468.75 | -3.022 | 0.000000 |
| Lohara 132kV | 12/01/2020 02:00:00 | 9 | 25000.0 | 12530.0 | 0.0 | -12530.0 | 50.12 | 9420.00 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Lohara 132kV | 12/01/2020 02:15:00 | 10 | 25000.0 | 12377.5 | 0.0 | -12377.5 | 49.51 | 9191.25 | -3.022 | 0.000000 |
| Lohara 132kV | 12/01/2020 02:30:00 | 11 | 25000.0 | 15757.5 | 0.0 | -15757.5 | 63.03 | 14261.25 | -2.690 | 0.000000 |
| Lohara 132kV | 12/01/2020 02:45:00 | 12 | 25000.0 | 15740.0 | 0.0 | -15740.0 | 62.96 | 14235.00 | -3.022 | 0.000000 |
| Lohara 132kV | 12/01/2020 03:00:00 | 13 | 25000.0 | 15555.0 | 0.0 | -15555.0 | 62.22 | 13957.50 | 3.354 | 7365.090883 |
| Lohara 132kV | 12/01/2020 03:15:00 | 14 | 25000.0 | 15337.5 | 0.0 | -15337.5 | 61.35 | 13631.25 | 3.022 | 8905.949320 |
| Lohara 132kV | 12/01/2020 03:30:00 | 15 | 25000.0 | 15142.5 | 0.0 | -15142.5 | 60.57 | 13338.75 | 3.354 | 3261.234344 |
| Lohara 132kV | 12/01/2020 03:45:00 | 16 | 25000.0 | 14962.5 | 0.0 | -14962.5 | 59.85 | 13068.75 | 2.152 | 0.000000 |
| Lohara 132kV | 12/01/2020 04:00:00 | 17 | 25000.0 | 13432.5 | 0.0 | -13432.5 | 53.73 | 10773.75 | -2.152 | 0.000000 |
| Lohara 132kV | 12/01/2020 04:15:00 | 18 | 25000.0 | 13365.0 | 0.0 | -13365.0 | 53.46 | 10672.50 | -3.022 | 0.000000 |
| Lohara 132kV | 12/01/2020 04:30:00 | 19 | 25000.0 | 13257.5 | 0.0 | -13257.5 | 53.03 | 10511.25 | 1.076 | 0.000000 |
| Lohara 132kV | 12/01/2020 04:45:00 | 20 | 25000.0 | 13237.5 | 0.0 | -13237.5 | 52.95 | 10481.25 | -3.022 | 0.000000 |
| Lohara 132kV | 12/01/2020 05:00:00 | 21 | 25000.0 | 13205.0 | 0.0 | -13205.0 | 52.82 | 10432.50 | 3.686 | 0.000000 |
| Lohara 132kV | 12/01/2020 05:15:00 | 22 | 25000.0 | 13077.5 | 0.0 | -13077.5 | 52.31 | 10241.25 | 3.686 | 14428.020614 |
| Lohara 132kV | 12/01/2020 05:30:00 | 23 | 25000.0 | 13002.5 | 0.0 | -13002.5 | 52.01 | 10128.75 | -1.614 | 0.000000 |
| Lohara 132kV | 12/01/2020 05:45:00 | 24 | 25000.0 | 11757.5 | 0.0 | -11757.5 | 47.03 | 8261.25 | -0.496 | 0.000000 |
| Lohara 132kV | 12/01/2020 06:00:00 | 25 | 25000.0 | 11612.5 | 0.0 | -11612.5 | 46.45 | 8043.75 | 0.000 | 0.000000 |
| Lohara 132kV | 12/01/2020 06:15:00 | 26 | 25000.0 | 11582.5 | 0.0 | -11582.5 | 46.33 | 7998.75 | -0.430 | 0.000000 |
| Lohara 132kV | 12/01/2020 06:30:00 | 27 | 25000.0 | 11397.5 | 0.0 | -11397.5 | 45.59 | 7721.25 | -2.152 | 0.000000 |
| Lohara 132kV | 12/01/2020 06:45:00 | 28 | 25000.0 | 11252.5 | 0.0 | -11252.5 | 45.01 | 7503.75 | 4.681 | 0.000000 |
| Lohara 132kV | 12/01/2020 07:00:00 | 29 | 25000.0 | 12082.5 | 0.0 | -12082.5 | 48.33 | 8748.75 | 1.614 | 0.000000 |
| Lohara 132kV | 12/01/2020 07:15:00 | 30 | 25000.0 | 11972.5 | 0.0 | -11972.5 | 47.89 | 8583.75 | 3.838 | 9909.116574 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Lohara 132kV | 12/01/2020 07:30:00 | 31 | 25000.0 | 11937.5 | 0.0 | -11937.5 | 47.75 | 8531.25 | 3.022 | 0.000000 |
| Lohara 132kV | 12/01/2020 07:45:00 | 32 | 25000.0 | 11757.5 | 0.0 | -11757.5 | 47.03 | 8261.25 | 2.690 | 0.000000 |
| Lohara 132kV | 12/01/2020 08:00:00 | 33 | 25000.0 | 11745.0 | 0.0 | -11745.0 | 46.98 | 8242.50 | -2.690 | 0.000000 |
| Lohara 132kV | 12/01/2020 08:15:00 | 34 | 25000.0 | 11757.5 | 0.0 | -11757.5 | 47.03 | 8261.25 | -4.018 | 0.000000 |
| Lohara 132kV | 12/01/2020 08:30:00 | 35 | 25000.0 | 11632.5 | 0.0 | -11632.5 | 46.53 | 8073.75 | -2.690 | 0.000000 |
| Lohara 132kV | 12/01/2020 08:45:00 | 36 | 25000.0 | 11642.5 | 0.0 | -11642.5 | 46.57 | 8088.75 | 3.022 | 0.000000 |
| Lohara 132kV | 12/01/2020 09:00:00 | 37 | 25000.0 | 11672.5 | 0.0 | -11672.5 | 46.69 | 8133.75 | -3.354 | 0.000000 |
| Lohara 132kV | 12/01/2020 09:15:00 | 38 | 25000.0 | 6345.0 | 0.0 | -6345.0 | 25.38 | 1345.00 | -4.350 | 0.000000 |
| Lohara 132kV | 12/01/2020 09:30:00 | 39 | 25000.0 | 6165.0 | 0.0 | -6165.0 | 24.66 | 1207.50 | 2.152 | 0.000000 |
| Lohara 132kV | 12/01/2020 09:45:00 | 40 | 25000.0 | 5985.0 | 0.0 | -5985.0 | 23.94 | 1117.50 | -2.690 | 0.000000 |
| Lohara 132kV | 12/01/2020 10:00:00 | 41 | 25000.0 | 5805.0 | 0.0 | -5805.0 | 23.22 | 1027.50 | -3.354 | 0.000000 |
| Lohara 132kV | 12/01/2020 10:15:00 | 42 | 25000.0 | 5625.0 | 0.0 | -5625.0 | 22.5 | 937.50 | -3.686 | 0.000000 |
| Lohara 132kV | 12/01/2020 10:30:00 | 43 | 25000.0 | 3117.5 | 0.0 | -3117.5 | 12.47 | 0.00 | -1.614 | 0.000000 |
| Lohara 132kV | 12/01/2020 10:45:00 | 44 | 25000.0 | 3117.5 | 0.0 | -3117.5 | 12.47 | 0.00 | 3.686 | 0.000000 |
| Lohara 132kV | 12/01/2020 11:00:00 | 45 | 25000.0 | 3097.5 | 0.0 | -3097.5 | 12.39 | 0.00 | -3.354 | 0.000000 |
| Lohara 132kV | 12/01/2020 11:15:00 | 46 | 25000.0 | 3117.5 | 0.0 | -3117.5 | 12.47 | 0.00 | -5.450 | 0.000000 |
| Lohara 132kV | 12/01/2020 11:30:00 | 47 | 25000.0 | 3105.0 | 0.0 | -3105.0 | 12.42 | 0.00 | -6.009 | 0.000000 |
| Lohara 132kV | 12/01/2020 11:45:00 | 48 | 25000.0 | 3102.5 | 0.0 | -3102.5 | 12.41 | 0.00 | 2.690 | 0.000000 |
| Lohara 132kV | 12/01/2020 12:00:00 | 49 | 25000.0 | 3125.0 | 0.0 | -3125.0 | 12.5 | 0.00 | 3.686 | 0.000000 |
| Lohara 132kV | 12/01/2020 12:15:00 | 50 | 25000.0 | 3097.5 | 0.0 | -3097.5 | 12.39 | 0.00 | -5.345 | 0.000000 |
| Lohara 132kV | 12/01/2020 12:30:00 | 51 | 25000.0 | 3097.5 | 0.0 | -3097.5 | 12.39 | 0.00 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Lohara 132kV | 12/01/2020 12:45:00 | 52 | 25000.0 | 3105.0 | 0.0 | -3105.0 | 12.42 | 0.00 | -5.345 | 0.000000 |
| Lohara 132kV | 12/01/2020 13:00:00 | 53 | 25000.0 | 3117.5 | 0.0 | -3117.5 | 12.47 | 0.00 | -3.999 | 0.000000 |
| Lohara 132kV | 12/01/2020 13:15:00 | 54 | 25000.0 | 4380.0 | 0.0 | -4380.0 | 17.52 | 315.00 | -4.350 | 0.000000 |
| Lohara 132kV | 12/01/2020 13:30:00 | 55 | 25000.0 | 3080.0 | 0.0 | -3080.0 | 12.32 | 0.00 | -1.076 | 0.000000 |
| Lohara 132kV | 12/01/2020 13:45:00 | 56 | 25000.0 | 3162.5 | 0.0 | -3162.5 | 12.65 | 0.00 | -2.690 | 0.000000 |
| Lohara 132kV | 12/01/2020 14:00:00 | 57 | 25000.0 | 3052.5 | 0.0 | -3052.5 | 12.21 | 0.00 | -0.538 | 0.000000 |
| Lohara 132kV | 12/01/2020 14:15:00 | 58 | 25000.0 | 3085.0 | 0.0 | -3085.0 | 12.34 | 0.00 | -2.152 | 0.000000 |
| Lohara 132kV | 12/01/2020 14:30:00 | 59 | 25000.0 | 3080.0 | 0.0 | -3080.0 | 12.32 | 0.00 | -2.690 | 0.000000 |
| Lohara 132kV | 12/01/2020 14:45:00 | 60 | 25000.0 | 3052.5 | 0.0 | -3052.5 | 12.21 | 0.00 | -1.076 | 0.000000 |
| Lohara 132kV | 12/01/2020 15:00:00 | 61 | 25000.0 | 3080.0 | 0.0 | -3080.0 | 12.32 | 0.00 | 0.000 | 0.000000 |
| Lohara 132kV | 12/01/2020 15:15:00 | 62 | 25000.0 | 3080.0 | 0.0 | -3080.0 | 12.32 | 0.00 | -2.690 | 0.000000 |
| Lohara 132kV | 12/01/2020 15:30:00 | 63 | 25000.0 | 3052.5 | 0.0 | -3052.5 | 12.21 | 0.00 | -3.022 | 0.000000 |
| Lohara 132kV | 12/01/2020 15:45:00 | 64 | 25000.0 | 3080.0 | 0.0 | -3080.0 | 12.32 | 0.00 | -3.686 | 0.000000 |
| Lohara 132kV | 12/01/2020 16:00:00 | 65 | 25000.0 | 3062.5 | 0.0 | -3062.5 | 12.25 | 0.00 | -3.737 | 0.000000 |
| Lohara 132kV | 12/01/2020 16:15:00 | 66 | 25000.0 | 3057.5 | 0.0 | -3057.5 | 12.23 | 0.00 | -5.786 | 0.000000 |
| Lohara 132kV | 12/01/2020 16:30:00 | 67 | 25000.0 | 3090.0 | 0.0 | -3090.0 | 12.36 | 0.00 | -4.350 | 0.000000 |
| Lohara 132kV | 12/01/2020 16:45:00 | 68 | 25000.0 | 3052.5 | 0.0 | -3052.5 | 12.21 | 0.00 | -1.614 | 0.000000 |
| Lohara 132kV | 12/01/2020 17:00:00 | 69 | 25000.0 | 3052.5 | 0.0 | -3052.5 | 12.21 | 0.00 | 0.000 | 0.000000 |
| Lohara 132kV | 12/01/2020 17:15:00 | 70 | 25000.0 | 3062.5 | 0.0 | -3062.5 | 12.25 | 0.00 | 2.690 | 793.964611 |
| Lohara 132kV | 12/01/2020 17:30:00 | 71 | 25000.0 | 3080.0 | 0.0 | -3080.0 | 12.32 | 0.00 | -3.022 | 0.000000 |
| Lohara 132kV | 12/01/2020 17:45:00 | 72 | 25000.0 | 3130.0 | 0.0 | -3130.0 | 12.52 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Lohara 132kV | 12/01/2020 18:00:00 | 73 | 25000.0 | 3080.0 | 0.0 | -3080.0 | 12.32 | 0.00 | -0.538 | 0.000000 |
| Lohara 132kV | 12/01/2020 18:15:00 | 74 | 25000.0 | 3162.5 | 0.0 | -3162.5 | 12.65 | 0.00 | -4.350 | 0.000000 |
| Lohara 132kV | 12/01/2020 18:30:00 | 75 | 25000.0 | 3052.5 | 0.0 | -3052.5 | 12.21 | 0.00 | 2.690 | 524.923609 |
| Lohara 132kV | 12/01/2020 18:45:00 | 76 | 25000.0 | 3085.0 | 0.0 | -3085.0 | 12.34 | 0.00 | 3.022 | 3417.767328 |
| Lohara 132kV | 12/01/2020 19:00:00 | 77 | 25000.0 | 3080.0 | 0.0 | -3080.0 | 12.32 | 0.00 | 3.686 | 1096.039601 |
| Lohara 132kV | 12/01/2020 19:15:00 | 78 | 25000.0 | 3052.5 | 0.0 | -3052.5 | 12.21 | 0.00 | 2.690 | 64.478127 |
| Lohara 132kV | 12/01/2020 19:30:00 | 79 | 25000.0 | 3080.0 | 0.0 | -3080.0 | 12.32 | 0.00 | -3.022 | 0.000000 |
| Lohara 132kV | 12/01/2020 19:45:00 | 80 | 25000.0 | 3080.0 | 0.0 | -3080.0 | 12.32 | 0.00 | -1.781 | 0.000000 |
| Lohara 132kV | 12/01/2020 20:00:00 | 81 | 25000.0 | 3080.0 | 0.0 | -3080.0 | 12.32 | 0.00 | -3.021 | 0.000000 |
| Lohara 132kV | 12/01/2020 20:15:00 | 82 | 25000.0 | 3052.5 | 0.0 | -3052.5 | 12.21 | 0.00 | -4.018 | 0.000000 |
| Lohara 132kV | 12/01/2020 20:30:00 | 83 | 25000.0 | 3080.0 | 0.0 | -3080.0 | 12.32 | 0.00 | -3.354 | 0.000000 |
| Lohara 132kV | 12/01/2020 20:45:00 | 84 | 25000.0 | 3062.5 | 0.0 | -3062.5 | 12.25 | 0.00 | -1.614 | 0.000000 |
| Lohara 132kV | 12/01/2020 21:00:00 | 85 | 25000.0 | 3057.5 | 0.0 | -3057.5 | 12.23 | 0.00 | -4.350 | 0.000000 |
| Lohara 132kV | 12/01/2020 21:15:00 | 86 | 25000.0 | 3090.0 | 0.0 | -3090.0 | 12.36 | 0.00 | -3.686 | 0.000000 |
| Lohara 132kV | 12/01/2020 21:30:00 | 87 | 25000.0 | 3052.5 | 0.0 | -3052.5 | 12.21 | 0.00 | -1.614 | 0.000000 |
| Lohara 132kV | 12/01/2020 21:45:00 | 88 | 25000.0 | 3052.5 | 0.0 | -3052.5 | 12.21 | 0.00 | 0.000 | 0.000000 |
| Lohara 132kV | 12/01/2020 22:00:00 | 89 | 25000.0 | 3062.5 | 0.0 | -3062.5 | 12.25 | 0.00 | -3.354 | 0.000000 |
| Lohara 132kV | 12/01/2020 22:15:00 | 90 | 25000.0 | 3080.0 | 0.0 | -3080.0 | 12.32 | 0.00 | 4.350 | 3760.528467 |
| Lohara 132kV | 12/01/2020 22:30:00 | 91 | 25000.0 | 13130.0 | 0.0 | -13130.0 | 52.52 | 10320.00 | 5.215 | 30233.619401 |
| Lohara 132kV | 12/01/2020 22:45:00 | 92 | 25000.0 | 13080.0 | 0.0 | -13080.0 | 52.32 | 10245.00 | 3.022 | 2948.358576 |
| Lohara 132kV | 12/01/2020 23:00:00 | 93 | 25000.0 | 13162.5 | 0.0 | -13162.5 | 52.65 | 10368.75 | 3.022 | 6498.623514 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Lohara 132kV | 12/01/2020 23:15:00 | 94 | 25000.0 | 13052.5 | 0.0 | -13052.5 | 52.21 | 10203.75 | 2.152 | 6416.708444 |
| Lohara 132kV | 12/01/2020 23:30:00 | 95 | 25000.0 | 13085.0 | 0.0 | -13085.0 | 52.34 | 10252.50 | 2.152 | 3701.734033 |
| Lohara 132kV | 12/01/2020 23:45:00 | 96 | 25000.0 | 13080.0 | 0.0 | -13080.0 | 52.32 | 10245.00 | 2.152 | 4251.635899 |
| Mahtargaon 132kV | 06/01/2020 00:00:00 | 1 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 2.903 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 00:15:00 | 2 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 0.000 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 00:30:00 | 3 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 0.000 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 00:45:00 | 4 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -0.984 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 01:00:00 | 5 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -3.541 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 01:15:00 | 6 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 3.222 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 01:30:00 | 7 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 3.541 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 01:45:00 | 8 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 2.352 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 02:00:00 | 9 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 1.747 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 02:15:00 | 10 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 0.581 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 02:30:00 | 11 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -2.323 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 02:45:00 | 12 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 2.323 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 03:00:00 | 13 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 2.323 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 03:15:00 | 14 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -1.742 | -1.505767 |
| Mahtargaon 132kV | 06/01/2020 03:30:00 | 15 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 3.222 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 03:45:00 | 16 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 3.541 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 04:00:00 | 17 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 4.496 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 04:15:00 | 18 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mahtargaon 132kV | 06/01/2020 04:30:00 | 19 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 3.859 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 04:45:00 | 20 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 4.815 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 05:00:00 | 21 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 3.859 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 05:15:00 | 22 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 6.407 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 05:30:00 | 23 | 20000.0 | 27.5 | 50.0 | 22.5 | 0.11 | 0.00 | 6.496 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 05:45:00 | 24 | 20000.0 | 27.5 | 50.0 | 22.5 | 0.11 | 0.00 | 7.492 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 06:00:00 | 25 | 20000.0 | 35.0 | 50.0 | 15.0 | 0.07 | 0.00 | -5.452 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 06:15:00 | 26 | 20000.0 | 57.5 | 50.0 | -7.5 | 0.04 | 0.00 | -6.089 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 06:30:00 | 27 | 20000.0 | 97.5 | 50.0 | -47.5 | 0.24 | 0.00 | -7.044 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 06:45:00 | 28 | 20000.0 | 152.5 | 50.0 | -102.5 | 0.51 | 0.00 | 7.682 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 07:00:00 | 29 | 20000.0 | 612.5 | 20.0 | -592.5 | 2.96 | 0.00 | -3.859 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 07:15:00 | 30 | 20000.0 | 1167.5 | 0.0 | -1167.5 | 5.84 | 0.00 | 4.815 | 579.684914 |
| Mahtargaon 132kV | 06/01/2020 07:30:00 | 31 | 20000.0 | 1820.0 | 0.0 | -1820.0 | 9.1 | 0.00 | 4.178 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 07:45:00 | 32 | 20000.0 | 2495.0 | 0.0 | -2495.0 | 12.47 | 0.00 | -3.540 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 08:00:00 | 33 | 20000.0 | 3410.0 | 0.0 | -3410.0 | 17.05 | 205.00 | -3.859 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 08:15:00 | 34 | 20000.0 | 4327.5 | 0.0 | -4327.5 | 21.64 | 663.75 | -5.452 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 08:30:00 | 35 | 20000.0 | 5325.0 | 0.0 | -5325.0 | 26.62 | 1325.00 | 4.178 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 08:45:00 | 36 | 20000.0 | 6670.0 | 0.0 | -6670.0 | 33.35 | 2670.00 | -3.859 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 09:00:00 | 37 | 20000.0 | 7617.5 | 0.0 | -7617.5 | 38.09 | 3926.25 | -6.407 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 09:15:00 | 38 | 20000.0 | 8937.5 | 0.0 | -8937.5 | 44.69 | 5906.25 | -8.000 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 09:30:00 | 39 | 20000.0 | 9995.0 | 0.0 | -9995.0 | 49.98 | 7492.50 | -5.770 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mahtargaon 132kV | 06/01/2020 09:45:00 | 40 | 20000.0 | 11207.5 | 0.0 | -11207.5 | 56.04 | 9311.25 | 3.222 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 10:00:00 | 41 | 20000.0 | 11762.5 | 0.0 | -11762.5 | 58.81 | 10143.75 | -2.903 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 10:15:00 | 42 | 20000.0 | 12400.0 | 0.0 | -12400.0 | 62.0 | 11100.00 | -3.222 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 10:30:00 | 43 | 20000.0 | 13357.5 | 0.0 | -13357.5 | 66.79 | 12536.25 | 4.815 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 10:45:00 | 44 | 20000.0 | 14430.0 | 0.0 | -14430.0 | 72.15 | 14145.00 | 4.496 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 11:00:00 | 45 | 20000.0 | 15257.5 | 0.0 | -15257.5 | 76.29 | 15386.25 | 16.000 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 11:15:00 | 46 | 20000.0 | 15757.5 | 0.0 | -15757.5 | 78.79 | 16136.25 | 5.133 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 11:30:00 | 47 | 20000.0 | 16472.5 | 0.0 | -16472.5 | 82.36 | 17208.75 | 1.182 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 11:45:00 | 48 | 20000.0 | 16735.0 | 0.0 | -16735.0 | 83.67 | 17602.50 | 6.308 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 12:00:00 | 49 | 20000.0 | 17295.0 | 0.0 | -17295.0 | 86.48 | 18442.50 | 6.598 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 12:15:00 | 50 | 20000.0 | 16827.5 | 0.0 | -16827.5 | 84.14 | 17741.25 | 5.431 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 12:30:00 | 51 | 20000.0 | 17190.0 | 0.0 | -17190.0 | 85.95 | 18285.00 | 3.540 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 12:45:00 | 52 | 20000.0 | 17240.0 | 0.0 | -17240.0 | 86.2 | 18360.00 | -2.903 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 13:00:00 | 53 | 20000.0 | 16732.5 | 0.0 | -16732.5 | 83.66 | 17598.75 | -1.161 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 13:15:00 | 54 | 20000.0 | 15607.5 | 0.0 | -15607.5 | 78.04 | 15911.25 | 3.859 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 13:30:00 | 55 | 20000.0 | 14737.5 | 0.0 | -14737.5 | 73.69 | 14606.25 | -6.407 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 13:45:00 | 56 | 20000.0 | 14542.5 | 0.0 | -14542.5 | 72.71 | 14313.75 | 5.452 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 14:00:00 | 57 | 20000.0 | 13800.0 | 0.0 | -13800.0 | 69.0 | 13200.00 | 5.452 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 14:15:00 | 58 | 20000.0 | 13282.5 | 0.0 | -13282.5 | 66.41 | 12423.75 | 16.000 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 14:30:00 | 59 | 20000.0 | 12220.0 | 0.0 | -12220.0 | 61.1 | 10830.00 | 6.035 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 14:45:00 | 60 | 20000.0 | 11052.5 | 0.0 | -11052.5 | 55.26 | 9078.75 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mahtargaon 132kV | 06/01/2020 15:00:00 | 61 | 20000.0 | 10505.0 | 0.0 | -10505.0 | 52.52 | 8257.50 | 3.367 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 15:15:00 | 62 | 20000.0 | 9345.0 | 0.0 | -9345.0 | 46.73 | 6517.50 | 3.904 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 15:30:00 | 63 | 20000.0 | 8232.5 | 0.0 | -8232.5 | 41.16 | 4848.75 | 4.482 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 15:45:00 | 64 | 20000.0 | 7145.0 | 0.0 | -7145.0 | 35.73 | 3217.50 | 4.225 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 16:00:00 | 65 | 20000.0 | 6035.0 | 0.0 | -6035.0 | 30.18 | 2035.00 | 2.895 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 16:15:00 | 66 | 20000.0 | 4847.5 | 0.0 | -4847.5 | 24.24 | 923.75 | 6.089 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 16:30:00 | 67 | 20000.0 | 3740.0 | 0.0 | -3740.0 | 18.7 | 370.00 | -8.000 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 16:45:00 | 68 | 20000.0 | 2577.5 | 0.0 | -2577.5 | 12.89 | 0.00 | -4.178 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 17:00:00 | 69 | 20000.0 | 1635.0 | 0.0 | -1635.0 | 8.18 | 0.00 | 1.742 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 17:15:00 | 70 | 20000.0 | 935.0 | 0.0 | -935.0 | 4.67 | 0.00 | 2.903 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 17:30:00 | 71 | 20000.0 | 425.0 | 0.0 | -425.0 | 2.12 | 0.00 | -4.178 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 17:45:00 | 72 | 20000.0 | 92.5 | 10.0 | -82.5 | 0.41 | 0.00 | -2.323 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 18:00:00 | 73 | 20000.0 | 72.5 | 80.0 | 7.5 | 0.04 | 0.00 | -2.903 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 18:15:00 | 74 | 20000.0 | 52.5 | 50.0 | -2.5 | 0.01 | 0.00 | 1.161 | 0.650134 |
| Mahtargaon 132kV | 06/01/2020 18:30:00 | 75 | 20000.0 | 50.0 | 60.0 | 10.0 | 0.05 | 0.00 | 2.903 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 18:45:00 | 76 | 20000.0 | 50.0 | 50.0 | 0.0 | 0.0 | 0.00 | 2.903 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 19:00:00 | 77 | 20000.0 | 50.0 | 60.0 | 10.0 | 0.05 | 0.00 | -1.161 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 19:15:00 | 78 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -4.178 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 19:30:00 | 79 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -2.323 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 19:45:00 | 80 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -4.178 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 20:00:00 | 81 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mahtargaon 132kV | 06/01/2020 20:15:00 | 82 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -5.770 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 20:30:00 | 83 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 5.770 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 20:45:00 | 84 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 4.178 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 21:00:00 | 85 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 3.222 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 21:15:00 | 86 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -1.742 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 21:30:00 | 87 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 0.000 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 21:45:00 | 88 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 1.161 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 22:00:00 | 89 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 4.815 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 22:15:00 | 90 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 3.859 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 22:30:00 | 91 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 1.742 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 22:45:00 | 92 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -2.323 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 23:00:00 | 93 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -2.903 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 23:15:00 | 94 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 2.323 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 23:30:00 | 95 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -3.222 | 0.000000 |
| Mahtargaon 132kV | 06/01/2020 23:45:00 | 96 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 2.323 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 00:00:00 | 1 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -0.549 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 00:15:00 | 2 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -1.647 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 00:30:00 | 3 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -3.073 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 00:45:00 | 4 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -2.744 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 01:00:00 | 5 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -4.058 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 01:15:00 | 6 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mahtargaon 132kV | 07/01/2020 01:30:00 | 7 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -3.401 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 01:45:00 | 8 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 3.730 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 02:00:00 | 9 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 3.073 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 02:15:00 | 10 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 3.073 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 02:30:00 | 11 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 3.401 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 02:45:00 | 12 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 2.745 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 03:00:00 | 13 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 1.647 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 03:15:00 | 14 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 2.196 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 03:30:00 | 15 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 1.647 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 03:45:00 | 16 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 1.098 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 04:00:00 | 17 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 1.647 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 04:15:00 | 18 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 2.210 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 04:30:00 | 19 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 3.730 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 04:45:00 | 20 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -1.098 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 05:00:00 | 21 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -2.744 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 05:15:00 | 22 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 3.730 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 05:30:00 | 23 | 20000.0 | 52.5 | 50.0 | -2.5 | 0.01 | 0.00 | 3.073 | 2.885309 |
| Mahtargaon 132kV | 07/01/2020 05:45:00 | 24 | 20000.0 | 52.5 | 50.0 | -2.5 | 0.01 | 0.00 | 3.730 | 2.241407 |
| Mahtargaon 132kV | 07/01/2020 06:00:00 | 25 | 20000.0 | 52.5 | 60.0 | 7.5 | 0.04 | 0.00 | -5.372 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 06:15:00 | 26 | 20000.0 | 50.0 | 50.0 | 0.0 | 0.0 | 0.00 | 4.556 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 06:30:00 | 27 | 20000.0 | 50.0 | 50.0 | 0.0 | 0.0 | 0.00 | 7.148 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mahtargaon 132kV | 07/01/2020 06:45:00 | 28 | 20000.0 | 52.5 | 50.0 | -2.5 | 0.01 | 0.00 | 7.821 | 13.225756 |
| Mahtargaon 132kV | 07/01/2020 07:00:00 | 29 | 20000.0 | 92.5 | 20.0 | -72.5 | 0.36 | 0.00 | 5.372 | 192.664885 |
| Mahtargaon 132kV | 07/01/2020 07:15:00 | 30 | 20000.0 | 412.5 | 0.0 | -412.5 | 2.06 | 0.00 | 16.000 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 07:30:00 | 31 | 20000.0 | 877.5 | 0.0 | -877.5 | 4.39 | 0.00 | 9.296 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 07:45:00 | 32 | 20000.0 | 1402.5 | 0.0 | -1402.5 | 7.01 | 0.00 | 9.794 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 08:00:00 | 33 | 20000.0 | 1995.0 | 0.0 | -1995.0 | 9.98 | 0.00 | 3.593 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 08:15:00 | 34 | 20000.0 | 2732.5 | 0.0 | -2732.5 | 13.66 | 0.00 | 3.401 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 08:30:00 | 35 | 20000.0 | 3680.0 | 0.0 | -3680.0 | 18.4 | 340.00 | 3.245 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 08:45:00 | 36 | 20000.0 | 5260.0 | 0.0 | -5260.0 | 26.3 | 1260.00 | 0.000 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 09:00:00 | 37 | 20000.0 | 6712.5 | 0.0 | -6712.5 | 33.56 | 2712.50 | 2.745 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 09:15:00 | 38 | 20000.0 | 7952.5 | 0.0 | -7952.5 | 39.76 | 4428.75 | 4.715 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 09:30:00 | 39 | 20000.0 | 9440.0 | 0.0 | -9440.0 | 47.2 | 6660.00 | 3.981 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 09:45:00 | 40 | 20000.0 | 11247.5 | 0.0 | -11247.5 | 56.24 | 9371.25 | 3.730 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 10:00:00 | 41 | 20000.0 | 12172.5 | 0.0 | -12172.5 | 60.86 | 10758.75 | 1.780 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 10:15:00 | 42 | 20000.0 | 12932.5 | 0.0 | -12932.5 | 64.66 | 11898.75 | 5.643 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 10:30:00 | 43 | 20000.0 | 14332.5 | 0.0 | -14332.5 | 71.66 | 13998.75 | 4.976 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 10:45:00 | 44 | 20000.0 | 15805.0 | 0.0 | -15805.0 | 79.03 | 16207.50 | 4.415 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 11:00:00 | 45 | 20000.0 | 16235.0 | 0.0 | -16235.0 | 81.17 | 16852.50 | 4.476 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 11:15:00 | 46 | 20000.0 | 16457.5 | 0.0 | -16457.5 | 82.29 | 17186.25 | 4.826 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 11:30:00 | 47 | 20000.0 | 16662.5 | 0.0 | -16662.5 | 83.31 | 17493.75 | 2.289 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 11:45:00 | 48 | 20000.0 | 15377.5 | 0.0 | -15377.5 | 76.89 | 15566.25 | -0.549 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mahtargaon 132kV | 07/01/2020 12:00:00 | 49 | 20000.0 | 14712.5 | 0.0 | -14712.5 | 73.56 | 14568.75 | 4.727 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 12:15:00 | 50 | 20000.0 | 14552.5 | 0.0 | -14552.5 | 72.76 | 14328.75 | 4.777 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 12:30:00 | 51 | 20000.0 | 14392.5 | 0.0 | -14392.5 | 71.96 | 14088.75 | 4.798 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 12:45:00 | 52 | 20000.0 | 8810.0 | 0.0 | -8810.0 | 44.05 | 5715.00 | -3.401 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 13:00:00 | 53 | 20000.0 | 8782.5 | 0.0 | -8782.5 | 43.91 | 5673.75 | -2.431 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 13:15:00 | 54 | 20000.0 | 9345.0 | 0.0 | -9345.0 | 46.73 | 6517.50 | -4.387 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 13:30:00 | 55 | 20000.0 | 9907.5 | 0.0 | -9907.5 | 49.54 | 7361.25 | -3.401 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 13:45:00 | 56 | 20000.0 | 9965.0 | 0.0 | -9965.0 | 49.83 | 7447.50 | -5.044 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 14:00:00 | 57 | 20000.0 | 9467.5 | 0.0 | -9467.5 | 47.34 | 6701.25 | 4.215 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 14:15:00 | 58 | 20000.0 | 10562.5 | 0.0 | -10562.5 | 52.81 | 8343.75 | 9.552 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 14:30:00 | 59 | 20000.0 | 10772.5 | 0.0 | -10772.5 | 53.86 | 8658.75 | 6.358 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 14:45:00 | 60 | 20000.0 | 9777.5 | 0.0 | -9777.5 | 48.89 | 7166.25 | 2.744 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 15:00:00 | 61 | 20000.0 | 8387.5 | 0.0 | -8387.5 | 41.94 | 5081.25 | -3.073 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 15:15:00 | 62 | 20000.0 | 7807.5 | 0.0 | -7807.5 | 39.04 | 4211.25 | -4.058 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 15:30:00 | 63 | 20000.0 | 6815.0 | 0.0 | -6815.0 | 34.08 | 2815.00 | -4.831 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 15:45:00 | 64 | 20000.0 | 5860.0 | 0.0 | -5860.0 | 29.3 | 1860.00 | -5.372 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 16:00:00 | 65 | 20000.0 | 5155.0 | 0.0 | -5155.0 | 25.77 | 1155.00 | 2.196 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 16:15:00 | 66 | 20000.0 | 4110.0 | 0.0 | -4110.0 | 20.55 | 555.00 | -3.401 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 16:30:00 | 67 | 20000.0 | 3505.0 | 0.0 | -3505.0 | 17.52 | 252.50 | 4.738 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 16:45:00 | 68 | 20000.0 | 2442.5 | 0.0 | -2442.5 | 12.21 | 0.00 | 7.343 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 17:00:00 | 69 | 20000.0 | 1690.0 | 0.0 | -1690.0 | 8.45 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mahtargaon 132kV | 07/01/2020 17:15:00 | 70 | 20000.0 | 1022.5 | 0.0 | -1022.5 | 5.11 | 0.00 | 2.744 | 170.088908 |
| Mahtargaon 132kV | 07/01/2020 17:30:00 | 71 | 20000.0 | 472.5 | 0.0 | -472.5 | 2.36 | 0.00 | 3.401 | 31.198907 |
| Mahtargaon 132kV | 07/01/2020 17:45:00 | 72 | 20000.0 | 137.5 | 10.0 | -127.5 | 0.64 | 0.00 | -2.745 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 18:00:00 | 73 | 20000.0 | 67.5 | 100.0 | 32.5 | 0.16 | 0.00 | -3.073 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 18:15:00 | 74 | 20000.0 | 37.5 | 50.0 | 12.5 | 0.06 | 0.00 | -5.372 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 18:30:00 | 75 | 20000.0 | 32.5 | 60.0 | 27.5 | 0.14 | 0.00 | 3.401 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 18:45:00 | 76 | 20000.0 | 27.5 | 50.0 | 22.5 | 0.11 | 0.00 | -3.401 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 19:00:00 | 77 | 20000.0 | 27.5 | 60.0 | 32.5 | 0.16 | 0.00 | -3.730 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 19:15:00 | 78 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -4.715 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 19:30:00 | 79 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -4.058 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 19:45:00 | 80 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -2.210 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 20:00:00 | 81 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -2.348 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 20:15:00 | 82 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 4.387 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 20:30:00 | 83 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 3.816 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 20:45:00 | 84 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 3.401 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 21:00:00 | 85 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -4.058 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 21:15:00 | 86 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 1.647 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 21:30:00 | 87 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 2.196 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 21:45:00 | 88 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -2.196 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 22:00:00 | 89 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -3.257 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 22:15:00 | 90 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mahtargaon 132kV | 07/01/2020 22:30:00 | 91 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -1.098 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 22:45:00 | 92 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -1.647 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 23:00:00 | 93 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -3.401 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 23:15:00 | 94 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 1.647 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 23:30:00 | 95 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -2.196 | 0.000000 |
| Mahtargaon 132kV | 07/01/2020 23:45:00 | 96 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -0.549 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 00:00:00 | 1 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -2.220 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 00:15:00 | 2 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -3.101 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 00:30:00 | 3 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -3.101 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 00:45:00 | 4 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -2.424 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 01:00:00 | 5 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -2.170 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 01:15:00 | 6 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -1.761 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 01:30:00 | 7 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -1.665 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 01:45:00 | 8 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -1.665 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 02:00:00 | 9 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -1.110 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 02:15:00 | 10 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -1.347 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 02:30:00 | 11 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -3.101 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 02:45:00 | 12 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -2.220 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 03:00:00 | 13 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -3.428 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 03:15:00 | 14 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -2.220 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 03:30:00 | 15 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mahtargaon 132kV | 08/01/2020 03:45:00 | 16 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -2.775 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 04:00:00 | 17 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -3.101 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 04:15:00 | 18 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -1.665 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 04:30:00 | 19 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -2.220 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 04:45:00 | 20 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -2.775 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 05:00:00 | 21 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -1.110 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 05:15:00 | 22 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 2.775 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 05:30:00 | 23 | 20000.0 | 27.5 | 50.0 | 22.5 | 0.11 | 0.00 | -3.428 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 05:45:00 | 24 | 20000.0 | 27.5 | 60.0 | 32.5 | 0.16 | 0.00 | -2.775 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 06:00:00 | 25 | 20000.0 | 30.0 | 50.0 | 20.0 | 0.1 | 0.00 | -2.220 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 06:15:00 | 26 | 20000.0 | 37.5 | 50.0 | 12.5 | 0.06 | 0.00 | 2.220 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 06:30:00 | 27 | 20000.0 | 52.5 | 50.0 | -2.5 | 0.01 | 0.00 | 5.387 | 4.499786 |
| Mahtargaon 132kV | 08/01/2020 06:45:00 | 28 | 20000.0 | 75.0 | 50.0 | -25.0 | 0.12 | 0.00 | -4.734 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 07:00:00 | 29 | 20000.0 | 290.0 | 20.0 | -270.0 | 1.35 | 0.00 | -4.407 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 07:15:00 | 30 | 20000.0 | 637.5 | 0.0 | -637.5 | 3.19 | 0.00 | 5.061 | 1123.646923 |
| Mahtargaon 132kV | 08/01/2020 07:30:00 | 31 | 20000.0 | 1035.0 | 0.0 | -1035.0 | 5.17 | 0.00 | 5.714 | 1745.527619 |
| Mahtargaon 132kV | 08/01/2020 07:45:00 | 32 | 20000.0 | 1525.0 | 0.0 | -1525.0 | 7.62 | 0.00 | 5.061 | 1011.127416 |
| Mahtargaon 132kV | 08/01/2020 08:00:00 | 33 | 20000.0 | 2127.5 | 0.0 | -2127.5 | 10.64 | 0.00 | 2.775 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 08:15:00 | 34 | 20000.0 | 2702.5 | 0.0 | -2702.5 | 13.51 | 0.00 | 2.775 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 08:30:00 | 35 | 20000.0 | 3360.0 | 0.0 | -3360.0 | 16.8 | 180.00 | 5.387 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 08:45:00 | 36 | 20000.0 | 4245.0 | 0.0 | -4245.0 | 21.22 | 622.50 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mahtargaon 132kV | 08/01/2020 09:00:00 | 37 | 20000.0 | 7040.0 | 0.0 | -7040.0 | 35.2 | 3060.00 | 7.673 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 09:15:00 | 38 | 20000.0 | 8292.5 | 0.0 | -8292.5 | 41.46 | 4938.75 | 7.673 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 09:30:00 | 39 | 20000.0 | 9610.0 | 0.0 | -9610.0 | 48.05 | 6915.00 | 3.101 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 09:45:00 | 40 | 20000.0 | 11197.5 | 0.0 | -11197.5 | 55.99 | 9296.25 | -3.101 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 10:00:00 | 41 | 20000.0 | 11412.5 | 0.0 | -11412.5 | 57.06 | 9618.75 | -3.101 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 10:15:00 | 42 | 20000.0 | 11970.0 | 0.0 | -11970.0 | 59.85 | 10455.00 | -3.101 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 10:30:00 | 43 | 20000.0 | 12810.0 | 0.0 | -12810.0 | 64.05 | 11715.00 | -1.665 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 10:45:00 | 44 | 20000.0 | 14192.5 | 0.0 | -14192.5 | 70.96 | 13788.75 | 0.000 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 11:00:00 | 45 | 20000.0 | 14422.5 | 0.0 | -14422.5 | 72.11 | 14133.75 | -1.486 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 11:15:00 | 46 | 20000.0 | 14745.0 | 0.0 | -14745.0 | 73.72 | 14617.50 | -1.305 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 11:30:00 | 47 | 20000.0 | 14910.0 | 0.0 | -14910.0 | 74.55 | 14865.00 | -2.425 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 11:45:00 | 48 | 20000.0 | 15055.0 | 0.0 | -15055.0 | 75.28 | 15082.50 | -2.775 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 12:00:00 | 49 | 20000.0 | 15302.5 | 0.0 | -15302.5 | 76.51 | 15453.75 | -2.083 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 12:15:00 | 50 | 20000.0 | 15327.5 | 0.0 | -15327.5 | 76.64 | 15491.25 | -3.242 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 12:30:00 | 51 | 20000.0 | 14702.5 | 0.0 | -14702.5 | 73.51 | 14553.75 | -1.330 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 12:45:00 | 52 | 20000.0 | 14472.5 | 0.0 | -14472.5 | 72.36 | 14208.75 | -0.830 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 13:00:00 | 53 | 20000.0 | 13847.5 | 0.0 | -13847.5 | 69.24 | 13271.25 | 2.775 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 13:15:00 | 54 | 20000.0 | 13555.0 | 0.0 | -13555.0 | 67.77 | 12832.50 | 0.000 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 13:30:00 | 55 | 20000.0 | 13190.0 | 0.0 | -13190.0 | 65.95 | 12285.00 | -1.012 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 13:45:00 | 56 | 20000.0 | 13022.5 | 0.0 | -13022.5 | 65.11 | 12033.75 | -1.087 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 14:00:00 | 57 | 20000.0 | 13030.0 | 0.0 | -13030.0 | 65.15 | 12045.00 | -3.101 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mahtargaon 132kV | 08/01/2020 14:15:00 | 58 | 20000.0 | 13052.5 | 0.0 | -13052.5 | 65.26 | 12078.75 | -4.081 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 14:30:00 | 59 | 20000.0 | 10772.5 | 0.0 | -10772.5 | 53.86 | 8658.75 | -2.996 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 14:45:00 | 60 | 20000.0 | 9777.5 | 0.0 | -9777.5 | 48.89 | 7166.25 | -3.101 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 15:00:00 | 61 | 20000.0 | 8387.5 | 0.0 | -8387.5 | 41.94 | 5081.25 | -1.879 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 15:15:00 | 62 | 20000.0 | 7807.5 | 0.0 | -7807.5 | 39.04 | 4211.25 | -4.081 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 15:30:00 | 63 | 20000.0 | 6815.0 | 0.0 | -6815.0 | 34.08 | 2815.00 | 4.938 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 15:45:00 | 64 | 20000.0 | 3857.5 | 0.0 | -3857.5 | 19.29 | 428.75 | 4.719 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 16:00:00 | 65 | 20000.0 | 2962.5 | 0.0 | -2962.5 | 14.81 | 0.00 | 0.555 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 16:15:00 | 66 | 20000.0 | 2570.0 | 0.0 | -2570.0 | 12.85 | 0.00 | -4.081 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 16:30:00 | 67 | 20000.0 | 2655.0 | 0.0 | -2655.0 | 13.28 | 0.00 | -3.754 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 16:45:00 | 68 | 20000.0 | 2317.5 | 0.0 | -2317.5 | 11.59 | 0.00 | -8.000 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 17:00:00 | 69 | 20000.0 | 1812.5 | 0.0 | -1812.5 | 9.06 | 0.00 | 0.000 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 17:15:00 | 70 | 20000.0 | 1390.0 | 0.0 | -1390.0 | 6.95 | 0.00 | 4.081 | 266.637288 |
| Mahtargaon 132kV | 08/01/2020 17:30:00 | 71 | 20000.0 | 937.5 | 0.0 | -937.5 | 4.69 | 0.00 | -5.387 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 17:45:00 | 72 | 20000.0 | 260.0 | 10.0 | -250.0 | 1.25 | 0.00 | -3.101 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 18:00:00 | 73 | 20000.0 | 147.5 | 90.0 | -57.5 | 0.29 | 0.00 | -2.775 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 18:15:00 | 74 | 20000.0 | 65.0 | 60.0 | -5.0 | 0.03 | 0.00 | -3.101 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 18:30:00 | 75 | 20000.0 | 32.5 | 50.0 | 17.5 | 0.09 | 0.00 | -2.220 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 18:45:00 | 76 | 20000.0 | 27.5 | 60.0 | 32.5 | 0.16 | 0.00 | 2.220 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 19:00:00 | 77 | 20000.0 | 27.5 | 50.0 | 22.5 | 0.11 | 0.00 | 1.110 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 19:15:00 | 78 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mahtargaon 132kV | 08/01/2020 19:30:00 | 79 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -2.220 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 19:45:00 | 80 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -0.555 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 20:00:00 | 81 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 2.775 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 20:15:00 | 82 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 3.101 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 20:30:00 | 83 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 4.408 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 20:45:00 | 84 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 3.101 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 21:00:00 | 85 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 3.101 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 21:15:00 | 86 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -0.555 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 21:30:00 | 87 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -1.110 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 21:45:00 | 88 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -1.110 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 22:00:00 | 89 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -2.489 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 22:15:00 | 90 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -2.775 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 22:30:00 | 91 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -2.223 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 22:45:00 | 92 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 1.110 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 23:00:00 | 93 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 1.110 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 23:15:00 | 94 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 1.110 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 23:30:00 | 95 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 2.775 | 0.000000 |
| Mahtargaon 132kV | 08/01/2020 23:45:00 | 96 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 0.000 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 00:00:00 | 1 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -0.576 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 00:15:00 | 2 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -1.727 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 00:30:00 | 3 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mahtargaon 132kV | 09/01/2020 00:45:00 | 4 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -2.879 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 01:00:00 | 5 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -3.519 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 01:15:00 | 6 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -3.519 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 01:30:00 | 7 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -3.199 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 01:45:00 | 8 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 3.519 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 02:00:00 | 9 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 3.519 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 02:15:00 | 10 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 2.879 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 02:30:00 | 11 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 3.199 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 02:45:00 | 12 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 1.152 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 03:00:00 | 13 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -2.879 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 03:15:00 | 14 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -3.839 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 03:30:00 | 15 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 3.199 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 03:45:00 | 16 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 0.000 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 04:00:00 | 17 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 1.727 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 04:15:00 | 18 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 1.727 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 04:30:00 | 19 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 1.727 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 04:45:00 | 20 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 2.879 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 05:00:00 | 21 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 3.839 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 05:15:00 | 22 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 5.119 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 05:30:00 | 23 | 20000.0 | 52.5 | 50.0 | -2.5 | 0.01 | 0.00 | 4.064 | 6.430974 |
| Mahtargaon 132kV | 09/01/2020 05:45:00 | 24 | 20000.0 | 52.5 | 60.0 | 7.5 | 0.04 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mahtargaon 132kV | 09/01/2020 06:00:00 | 25 | 20000.0 | 52.5 | 50.0 | -2.5 | 0.01 | 0.00 | -2.303 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 06:15:00 | 26 | 20000.0 | 50.0 | 60.0 | 10.0 | 0.05 | 0.00 | 2.303 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 06:30:00 | 27 | 20000.0 | 50.0 | 50.0 | 0.0 | 0.0 | 0.00 | -3.839 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 06:45:00 | 28 | 20000.0 | 52.5 | 50.0 | -2.5 | 0.01 | 0.00 | -2.879 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 07:00:00 | 29 | 20000.0 | 95.0 | 40.0 | -55.0 | 0.27 | 0.00 | -2.879 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 07:15:00 | 30 | 20000.0 | 430.0 | 0.0 | -430.0 | 2.15 | 0.00 | 6.400 | 213.927889 |
| Mahtargaon 132kV | 09/01/2020 07:30:00 | 31 | 20000.0 | 970.0 | 0.0 | -970.0 | 4.85 | 0.00 | 1.172 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 07:45:00 | 32 | 20000.0 | 1602.5 | 0.0 | -1602.5 | 8.01 | 0.00 | 0.576 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 08:00:00 | 33 | 20000.0 | 2322.5 | 0.0 | -2322.5 | 11.61 | 0.00 | -0.576 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 08:15:00 | 34 | 20000.0 | 3500.0 | 0.0 | -3500.0 | 17.5 | 250.00 | -1.152 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 08:30:00 | 35 | 20000.0 | 4575.0 | 0.0 | -4575.0 | 22.88 | 787.50 | 0.576 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 08:45:00 | 36 | 20000.0 | 5992.5 | 0.0 | -5992.5 | 29.96 | 1992.50 | 0.000 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 09:00:00 | 37 | 20000.0 | 7397.5 | 0.0 | -7397.5 | 36.99 | 3596.25 | 1.152 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 09:15:00 | 38 | 20000.0 | 8592.5 | 0.0 | -8592.5 | 42.96 | 5388.75 | 1.727 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 09:30:00 | 39 | 20000.0 | 8930.0 | 0.0 | -8930.0 | 44.65 | 5895.00 | -3.839 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 09:45:00 | 40 | 20000.0 | 9915.0 | 0.0 | -9915.0 | 49.58 | 7372.50 | -1.152 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 10:00:00 | 41 | 20000.0 | 10332.5 | 0.0 | -10332.5 | 51.66 | 7998.75 | 0.000 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 10:15:00 | 42 | 20000.0 | 10752.5 | 0.0 | -10752.5 | 53.76 | 8628.75 | 1.727 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 10:30:00 | 43 | 20000.0 | 11170.0 | 0.0 | -11170.0 | 55.85 | 9255.00 | 2.303 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 10:45:00 | 44 | 20000.0 | 14297.5 | 0.0 | -14297.5 | 71.49 | 13946.25 | -1.144 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 11:00:00 | 45 | 20000.0 | 15122.5 | 0.0 | -15122.5 | 75.61 | 15183.75 | -4.479 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mahtargaon 132kV | 09/01/2020 11:15:00 | 46 | 20000.0 | 15845.0 | 0.0 | -15845.0 | 79.22 | 16267.50 | -3.519 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 11:30:00 | 47 | 20000.0 | 12872.5 | 0.0 | -12872.5 | 64.36 | 11808.75 | -2.303 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 11:45:00 | 48 | 20000.0 | 13197.5 | 0.0 | -13197.5 | 65.99 | 12296.25 | -0.576 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 12:00:00 | 49 | 20000.0 | 13957.5 | 0.0 | -13957.5 | 69.79 | 13436.25 | 0.000 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 12:15:00 | 50 | 20000.0 | 13650.0 | 0.0 | -13650.0 | 68.25 | 12975.00 | 3.839 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 12:30:00 | 51 | 20000.0 | 14245.0 | 0.0 | -14245.0 | 71.23 | 13867.50 | 3.199 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 12:45:00 | 52 | 20000.0 | 14507.5 | 0.0 | -14507.5 | 72.54 | 14261.25 | 3.199 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 13:00:00 | 53 | 20000.0 | 14017.5 | 0.0 | -14017.5 | 70.09 | 13526.25 | -1.152 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 13:15:00 | 54 | 20000.0 | 12225.0 | 0.0 | -12225.0 | 61.12 | 10837.50 | -1.152 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 13:30:00 | 55 | 20000.0 | 12652.5 | 0.0 | -12652.5 | 63.26 | 11478.75 | 1.727 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 13:45:00 | 56 | 20000.0 | 11035.0 | 0.0 | -11035.0 | 55.17 | 9052.50 | 3.199 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 14:00:00 | 57 | 20000.0 | 9622.5 | 0.0 | -9622.5 | 48.11 | 6933.75 | 4.345 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 14:15:00 | 58 | 20000.0 | 8790.0 | 0.0 | -8790.0 | 43.95 | 5685.00 | 3.941 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 14:30:00 | 59 | 20000.0 | 8095.0 | 0.0 | -8095.0 | 40.48 | 4642.50 | 1.152 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 14:45:00 | 60 | 20000.0 | 7582.5 | 0.0 | -7582.5 | 37.91 | 3873.75 | -0.576 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 15:00:00 | 61 | 20000.0 | 6830.0 | 0.0 | -6830.0 | 34.15 | 2830.00 | -1.006 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 15:15:00 | 62 | 20000.0 | 6905.0 | 0.0 | -6905.0 | 34.52 | 2905.00 | 3.199 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 15:30:00 | 63 | 20000.0 | 8032.5 | 0.0 | -8032.5 | 40.16 | 4548.75 | 2.879 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 15:45:00 | 64 | 20000.0 | 6975.0 | 0.0 | -6975.0 | 34.88 | 2975.00 | 3.839 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 16:00:00 | 65 | 20000.0 | 6125.0 | 0.0 | -6125.0 | 30.63 | 2125.00 | 1.727 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 16:15:00 | 66 | 20000.0 | 4870.0 | 0.0 | -4870.0 | 24.35 | 935.00 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mahtargaon 132kV | 09/01/2020 16:30:00 | 67 | 20000.0 | 3485.0 | 0.0 | -3485.0 | 17.42 | 242.50 | -4.159 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 16:45:00 | 68 | 20000.0 | 2632.5 | 0.0 | -2632.5 | 13.16 | 0.00 | 3.839 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 17:00:00 | 69 | 20000.0 | 1755.0 | 0.0 | -1755.0 | 8.77 | 0.00 | 1.727 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 17:15:00 | 70 | 20000.0 | 985.0 | 0.0 | -985.0 | 4.92 | 0.00 | 3.839 | 338.560021 |
| Mahtargaon 132kV | 09/01/2020 17:30:00 | 71 | 20000.0 | 425.0 | 0.0 | -425.0 | 2.12 | 0.00 | -2.879 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 17:45:00 | 72 | 20000.0 | 92.5 | 0.0 | -92.5 | 0.46 | 0.00 | -4.146 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 18:00:00 | 73 | 20000.0 | 85.0 | 80.0 | -5.0 | 0.03 | 0.00 | -3.349 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 18:15:00 | 74 | 20000.0 | 57.5 | 60.0 | 2.5 | 0.01 | 0.00 | -4.563 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 18:30:00 | 75 | 20000.0 | 55.0 | 50.0 | -5.0 | 0.03 | 0.00 | -3.839 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 18:45:00 | 76 | 20000.0 | 55.0 | 60.0 | 5.0 | 0.03 | 0.00 | -2.879 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 19:00:00 | 77 | 20000.0 | 55.0 | 50.0 | -5.0 | 0.03 | 0.00 | -3.199 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 19:15:00 | 78 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -1.727 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 19:30:00 | 79 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -1.442 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 19:45:00 | 80 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -0.286 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 20:00:00 | 81 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -1.070 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 20:15:00 | 82 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -2.236 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 20:30:00 | 83 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -4.799 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 20:45:00 | 84 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -1.727 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 21:00:00 | 85 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -1.727 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 21:15:00 | 86 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 1.152 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 21:30:00 | 87 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mahtargaon 132kV | 09/01/2020 21:45:00 | 88 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -2.303 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 22:00:00 | 89 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -2.795 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 22:15:00 | 90 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -3.674 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 22:30:00 | 91 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -2.303 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 22:45:00 | 92 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -1.152 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 23:00:00 | 93 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 0.000 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 23:15:00 | 94 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -0.576 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 23:30:00 | 95 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -0.576 | 0.000000 |
| Mahtargaon 132kV | 09/01/2020 23:45:00 | 96 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -0.987 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 00:00:00 | 1 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -0.680 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 00:15:00 | 2 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -3.326 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 00:30:00 | 3 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -2.992 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 00:45:00 | 4 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -0.532 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 01:00:00 | 5 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -0.713 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 01:15:00 | 6 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -0.548 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 01:30:00 | 7 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -2.658 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 01:45:00 | 8 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 2.127 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 02:00:00 | 9 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 5.342 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 02:15:00 | 10 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 1.595 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 02:30:00 | 11 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 3.326 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 02:45:00 | 12 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mahtargaon 132kV | 10/01/2020 03:00:00 | 13 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 2.658 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 03:15:00 | 14 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 2.127 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 03:30:00 | 15 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 2.127 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 03:45:00 | 16 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -1.063 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 04:00:00 | 17 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 1.595 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 04:15:00 | 18 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 3.326 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 04:30:00 | 19 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 3.326 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 04:45:00 | 20 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 2.127 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 05:00:00 | 21 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 2.992 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 05:15:00 | 22 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 1.063 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 05:30:00 | 23 | 20000.0 | 52.5 | 60.0 | 7.5 | 0.04 | 0.00 | -2.658 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 05:45:00 | 24 | 20000.0 | 52.5 | 50.0 | -2.5 | 0.01 | 0.00 | 2.127 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 06:00:00 | 25 | 20000.0 | 52.5 | 50.0 | -2.5 | 0.01 | 0.00 | -2.127 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 06:15:00 | 26 | 20000.0 | 52.5 | 60.0 | 7.5 | 0.04 | 0.00 | 2.658 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 06:30:00 | 27 | 20000.0 | 52.5 | 50.0 | -2.5 | 0.01 | 0.00 | -2.992 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 06:45:00 | 28 | 20000.0 | 52.5 | 50.0 | -2.5 | 0.01 | 0.00 | -3.077 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 07:00:00 | 29 | 20000.0 | 90.0 | 30.0 | -60.0 | 0.3 | 0.00 | -0.687 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 07:15:00 | 30 | 20000.0 | 457.5 | 0.0 | -457.5 | 2.29 | 0.00 | -2.658 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 07:30:00 | 31 | 20000.0 | 970.0 | 0.0 | -970.0 | 4.85 | 0.00 | -1.063 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 07:45:00 | 32 | 20000.0 | 1592.5 | 0.0 | -1592.5 | 7.96 | 0.00 | -2.658 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 08:00:00 | 33 | 20000.0 | 2502.5 | 0.0 | -2502.5 | 12.51 | 0.00 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mahtargaon 132kV | 10/01/2020 08:15:00 | 34 | 20000.0 | 3517.5 | 0.0 | -3517.5 | 17.59 | 258.75 | -4.661 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 08:30:00 | 35 | 20000.0 | 4702.5 | 0.0 | -4702.5 | 23.51 | 851.25 | 5.663 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 08:45:00 | 36 | 20000.0 | 5800.0 | 0.0 | -5800.0 | 29.0 | 1800.00 | 4.328 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 09:00:00 | 37 | 20000.0 | 6962.5 | 0.0 | -6962.5 | 34.81 | 2962.50 | -4.995 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 09:15:00 | 38 | 20000.0 | 8122.5 | 0.0 | -8122.5 | 40.61 | 4683.75 | -4.327 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 09:30:00 | 39 | 20000.0 | 10047.5 | 0.0 | -10047.5 | 50.24 | 7571.25 | -2.127 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 09:45:00 | 40 | 20000.0 | 11545.0 | 0.0 | -11545.0 | 57.73 | 9817.50 | -1.152 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 10:00:00 | 41 | 20000.0 | 12522.5 | 0.0 | -12522.5 | 62.61 | 11283.75 | 0.000 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 10:15:00 | 42 | 20000.0 | 13500.0 | 0.0 | -13500.0 | 67.5 | 12750.00 | -0.532 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 10:30:00 | 43 | 20000.0 | 14475.0 | 0.0 | -14475.0 | 72.38 | 14212.50 | -1.063 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 10:45:00 | 44 | 20000.0 | 15452.5 | 0.0 | -15452.5 | 77.26 | 15678.75 | 0.000 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 11:00:00 | 45 | 20000.0 | 16020.0 | 0.0 | -16020.0 | 80.1 | 16530.00 | 2.658 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 11:15:00 | 46 | 20000.0 | 16585.0 | 0.0 | -16585.0 | 82.93 | 17377.50 | 0.000 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 11:30:00 | 47 | 20000.0 | 17150.0 | 0.0 | -17150.0 | 85.75 | 18225.00 | -1.595 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 11:45:00 | 48 | 20000.0 | 17720.0 | 0.0 | -17720.0 | 88.6 | 19080.00 | 2.992 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 12:00:00 | 49 | 20000.0 | 17695.0 | 0.0 | -17695.0 | 88.48 | 19042.50 | 0.000 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 12:15:00 | 50 | 20000.0 | 17670.0 | 0.0 | -17670.0 | 88.35 | 19005.00 | 2.127 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 12:30:00 | 51 | 20000.0 | 17647.5 | 0.0 | -17647.5 | 88.24 | 18971.25 | 1.595 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 12:45:00 | 52 | 20000.0 | 17622.5 | 0.0 | -17622.5 | 88.11 | 18933.75 | -1.063 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 13:00:00 | 53 | 20000.0 | 16947.5 | 0.0 | -16947.5 | 84.74 | 17921.25 | 2.658 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 13:15:00 | 54 | 20000.0 | 16270.0 | 0.0 | -16270.0 | 81.35 | 16905.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mahtargaon 132kV | 10/01/2020 13:30:00 | 55 | 20000.0 | 14815.0 | 0.0 | -14815.0 | 74.08 | 14722.50 | 2.127 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 13:45:00 | 56 | 20000.0 | 14170.0 | 0.0 | -14170.0 | 70.85 | 13755.00 | -3.326 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 14:00:00 | 57 | 20000.0 | 13427.5 | 0.0 | -13427.5 | 67.14 | 12641.25 | -2.992 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 14:15:00 | 58 | 20000.0 | 12687.5 | 0.0 | -12687.5 | 63.44 | 11531.25 | 3.660 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 14:30:00 | 59 | 20000.0 | 11947.5 | 0.0 | -11947.5 | 59.74 | 10421.25 | -2.127 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 14:45:00 | 60 | 20000.0 | 11205.0 | 0.0 | -11205.0 | 56.03 | 9307.50 | -2.127 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 15:00:00 | 61 | 20000.0 | 10230.0 | 0.0 | -10230.0 | 51.15 | 7845.00 | 0.000 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 15:15:00 | 62 | 20000.0 | 9252.5 | 0.0 | -9252.5 | 46.26 | 6378.75 | -2.992 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 15:30:00 | 63 | 20000.0 | 8277.5 | 0.0 | -8277.5 | 41.39 | 4916.25 | -4.995 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 15:45:00 | 64 | 20000.0 | 7300.0 | 0.0 | -7300.0 | 36.5 | 3450.00 | -4.327 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 16:00:00 | 65 | 20000.0 | 6247.5 | 0.0 | -6247.5 | 31.24 | 2247.50 | -4.995 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 16:15:00 | 66 | 20000.0 | 5192.5 | 0.0 | -5192.5 | 25.96 | 1192.50 | -8.000 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 16:30:00 | 67 | 20000.0 | 4137.5 | 0.0 | -4137.5 | 20.69 | 568.75 | -8.000 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 16:45:00 | 68 | 20000.0 | 3085.0 | 0.0 | -3085.0 | 15.43 | 42.50 | 4.327 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 17:00:00 | 69 | 20000.0 | 2385.0 | 0.0 | -2385.0 | 11.92 | 0.00 | 0.532 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 17:15:00 | 70 | 20000.0 | 1680.0 | 0.0 | -1680.0 | 8.4 | 0.00 | -1.595 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 17:30:00 | 71 | 20000.0 | 977.5 | 0.0 | -977.5 | 4.89 | 0.00 | -2.658 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 17:45:00 | 72 | 20000.0 | 275.0 | 0.0 | -275.0 | 1.38 | 0.00 | -2.127 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 18:00:00 | 73 | 20000.0 | 155.0 | 60.0 | -95.0 | 0.47 | 0.00 | -1.461 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 18:15:00 | 74 | 20000.0 | 70.0 | 60.0 | -10.0 | 0.05 | 0.00 | 3.326 | 3.514165 |
| Mahtargaon 132kV | 10/01/2020 18:30:00 | 75 | 20000.0 | 17.5 | 60.0 | 42.5 | 0.21 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mahtargaon 132kV | 10/01/2020 18:45:00 | 76 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 3.994 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 19:00:00 | 77 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -2.127 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 19:15:00 | 78 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -2.658 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 19:30:00 | 79 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -3.660 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 19:45:00 | 80 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -3.326 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 20:00:00 | 81 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 3.660 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 20:15:00 | 82 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 3.660 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 20:30:00 | 83 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 4.995 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 20:45:00 | 84 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 2.992 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 21:00:00 | 85 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -3.660 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 21:15:00 | 86 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -1.595 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 21:30:00 | 87 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -1.063 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 21:45:00 | 88 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -0.532 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 22:00:00 | 89 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -1.595 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 22:15:00 | 90 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -2.127 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 22:30:00 | 91 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 1.063 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 22:45:00 | 92 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -2.658 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 23:00:00 | 93 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -2.658 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 23:15:00 | 94 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 0.000 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 23:30:00 | 95 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 0.000 | 0.000000 |
| Mahtargaon 132kV | 10/01/2020 23:45:00 | 96 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mahtargaon 132kV | 11/01/2020 00:00:00 | 1 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 0.000 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 00:15:00 | 2 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -2.629 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 00:30:00 | 3 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -1.577 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 00:45:00 | 4 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 2.103 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 01:00:00 | 5 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 2.964 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 01:15:00 | 6 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 1.052 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 01:30:00 | 7 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 1.577 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 01:45:00 | 8 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -0.526 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 02:00:00 | 9 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -0.403 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 02:15:00 | 10 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -0.630 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 02:30:00 | 11 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -0.526 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 02:45:00 | 12 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -0.526 | -2.381038 |
| Mahtargaon 132kV | 11/01/2020 03:00:00 | 13 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -1.051 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 03:15:00 | 14 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 0.000 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 03:30:00 | 15 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 0.000 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 03:45:00 | 16 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 0.000 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 04:00:00 | 17 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 0.000 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 04:15:00 | 18 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -1.051 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 04:30:00 | 19 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -2.964 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 04:45:00 | 20 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -3.300 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 05:00:00 | 21 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mahtargaon 132kV | 11/01/2020 05:15:00 | 22 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 5.314 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 05:30:00 | 23 | 20000.0 | 50.0 | 50.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 05:45:00 | 24 | 20000.0 | 50.0 | 50.0 | 0.0 | 0.0 | 0.00 | 2.103 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 06:00:00 | 25 | 20000.0 | 50.0 | 50.0 | 0.0 | 0.0 | 0.00 | 3.636 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 06:15:00 | 26 | 20000.0 | 50.0 | 50.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 06:30:00 | 27 | 20000.0 | 50.0 | 50.0 | 0.0 | 0.0 | 0.00 | 4.105 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 06:45:00 | 28 | 20000.0 | 50.0 | 50.0 | 0.0 | 0.0 | 0.00 | 5.650 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 07:00:00 | 29 | 20000.0 | 72.5 | 20.0 | -52.5 | 0.26 | 0.00 | 3.300 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 07:15:00 | 30 | 20000.0 | 450.0 | 0.0 | -450.0 | 2.25 | 0.00 | 5.314 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 07:30:00 | 31 | 20000.0 | 1007.5 | 0.0 | -1007.5 | 5.04 | 0.00 | 2.964 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 07:45:00 | 32 | 20000.0 | 1735.0 | 0.0 | -1735.0 | 8.67 | 0.00 | 2.103 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 08:00:00 | 33 | 20000.0 | 2675.0 | 0.0 | -2675.0 | 13.38 | 0.00 | -1.577 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 08:15:00 | 34 | 20000.0 | 3705.0 | 0.0 | -3705.0 | 18.52 | 352.50 | 3.300 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 08:30:00 | 35 | 20000.0 | 4580.0 | 0.0 | -4580.0 | 22.9 | 790.00 | 2.116 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 08:45:00 | 36 | 20000.0 | 5405.0 | 0.0 | -5405.0 | 27.02 | 1405.00 | 2.964 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 09:00:00 | 37 | 20000.0 | 6627.5 | 0.0 | -6627.5 | 33.14 | 2627.50 | 6.681 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 09:15:00 | 38 | 20000.0 | 8100.0 | 0.0 | -8100.0 | 40.5 | 4650.00 | 6.657 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 09:30:00 | 39 | 20000.0 | 9092.5 | 0.0 | -9092.5 | 45.46 | 6138.75 | -6.322 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 09:45:00 | 40 | 20000.0 | 10382.5 | 0.0 | -10382.5 | 51.91 | 8073.75 | -2.103 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 10:00:00 | 41 | 20000.0 | 11792.5 | 0.0 | -11792.5 | 58.96 | 10188.75 | 0.526 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 10:15:00 | 42 | 20000.0 | 12717.5 | 0.0 | -12717.5 | 63.59 | 11576.25 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mahtargaon 132kV | 11/01/2020 10:30:00 | 43 | 20000.0 | 13507.5 | 0.0 | -13507.5 | 67.54 | 12761.25 | 0.000 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 10:45:00 | 44 | 20000.0 | 14197.5 | 0.0 | -14197.5 | 70.99 | 13796.25 | 0.000 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 11:00:00 | 45 | 20000.0 | 14767.5 | 0.0 | -14767.5 | 73.84 | 14651.25 | 0.000 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 11:15:00 | 46 | 20000.0 | 15425.0 | 0.0 | -15425.0 | 77.12 | 15637.50 | -2.964 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 11:30:00 | 47 | 20000.0 | 15777.5 | 0.0 | -15777.5 | 78.89 | 16166.25 | -4.307 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 11:45:00 | 48 | 20000.0 | 16007.5 | 0.0 | -16007.5 | 80.04 | 16511.25 | -3.300 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 12:00:00 | 49 | 20000.0 | 16212.5 | 0.0 | -16212.5 | 81.06 | 16818.75 | -0.526 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 12:15:00 | 50 | 20000.0 | 16362.5 | 0.0 | -16362.5 | 81.81 | 17043.75 | -2.103 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 12:30:00 | 51 | 20000.0 | 16360.0 | 0.0 | -16360.0 | 81.8 | 17040.00 | -2.629 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 12:45:00 | 52 | 20000.0 | 16265.0 | 0.0 | -16265.0 | 81.33 | 16897.50 | -2.629 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 13:00:00 | 53 | 20000.0 | 16117.5 | 0.0 | -16117.5 | 80.59 | 16676.25 | 0.000 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 13:15:00 | 54 | 20000.0 | 15820.0 | 0.0 | -15820.0 | 79.1 | 16230.00 | -2.103 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 13:30:00 | 55 | 20000.0 | 15417.5 | 0.0 | -15417.5 | 77.09 | 15626.25 | 2.629 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 13:45:00 | 56 | 20000.0 | 15042.5 | 0.0 | -15042.5 | 75.21 | 15063.75 | 2.103 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 14:00:00 | 57 | 20000.0 | 14477.5 | 0.0 | -14477.5 | 72.39 | 14216.25 | 1.051 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 14:15:00 | 58 | 20000.0 | 13620.0 | 0.0 | -13620.0 | 68.1 | 12930.00 | 3.300 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 14:30:00 | 59 | 20000.0 | 12695.0 | 0.0 | -12695.0 | 63.48 | 11542.50 | -3.636 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 14:45:00 | 60 | 20000.0 | 11720.0 | 0.0 | -11720.0 | 58.6 | 10080.00 | 4.979 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 15:00:00 | 61 | 20000.0 | 10485.0 | 0.0 | -10485.0 | 52.42 | 8227.50 | -2.964 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 15:15:00 | 62 | 20000.0 | 9625.0 | 0.0 | -9625.0 | 48.12 | 6937.50 | -5.314 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 15:30:00 | 63 | 20000.0 | 8695.0 | 0.0 | -8695.0 | 43.48 | 5542.50 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mahtargaon 132kV | 11/01/2020 15:45:00 | 64 | 20000.0 | 7390.0 | 0.0 | -7390.0 | 36.95 | 3585.00 | 4.643 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 16:00:00 | 65 | 20000.0 | 6057.5 | 0.0 | -6057.5 | 30.29 | 2057.50 | 2.103 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 16:15:00 | 66 | 20000.0 | 5032.5 | 0.0 | -5032.5 | 25.16 | 1032.50 | -2.964 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 16:30:00 | 67 | 20000.0 | 3895.0 | 0.0 | -3895.0 | 19.48 | 447.50 | -2.103 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 16:45:00 | 68 | 20000.0 | 2872.5 | 0.0 | -2872.5 | 14.36 | 0.00 | 3.972 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 17:00:00 | 69 | 20000.0 | 1897.5 | 0.0 | -1897.5 | 9.49 | 0.00 | -1.577 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 17:15:00 | 70 | 20000.0 | 1137.5 | 0.0 | -1137.5 | 5.69 | 0.00 | -1.577 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 17:30:00 | 71 | 20000.0 | 555.0 | 0.0 | -555.0 | 2.77 | 0.00 | 1.051 | 7.081436 |
| Mahtargaon 132kV | 11/01/2020 17:45:00 | 72 | 20000.0 | 160.0 | 0.0 | -160.0 | 0.8 | 0.00 | -2.103 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 18:00:00 | 73 | 20000.0 | 57.5 | 60.0 | 2.5 | 0.01 | 0.00 | -2.964 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 18:15:00 | 74 | 20000.0 | 65.0 | 70.0 | 5.0 | 0.03 | 0.00 | -2.629 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 18:30:00 | 75 | 20000.0 | 52.5 | 50.0 | -2.5 | 0.01 | 0.00 | 2.103 | 0.087880 |
| Mahtargaon 132kV | 11/01/2020 18:45:00 | 76 | 20000.0 | 52.5 | 60.0 | 7.5 | 0.04 | 0.00 | 0.526 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 19:00:00 | 77 | 20000.0 | 52.5 | 50.0 | -2.5 | 0.01 | 0.00 | 2.103 | 1.022007 |
| Mahtargaon 132kV | 11/01/2020 19:15:00 | 78 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -1.052 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 19:30:00 | 79 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 2.964 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 19:45:00 | 80 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 2.629 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 20:00:00 | 81 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 2.629 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 20:15:00 | 82 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 4.307 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 20:30:00 | 83 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 2.964 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 20:45:00 | 84 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 2.629 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mahtargaon 132kV | 11/01/2020 21:00:00 | 85 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 3.636 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 21:15:00 | 86 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -1.577 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 21:30:00 | 87 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -1.577 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 21:45:00 | 88 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -1.052 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 22:00:00 | 89 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -5.650 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 22:15:00 | 90 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -5.650 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 22:30:00 | 91 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 4.979 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 22:45:00 | 92 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 2.964 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 23:00:00 | 93 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 1.577 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 23:15:00 | 94 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 1.074 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 23:30:00 | 95 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 2.113 | 0.000000 |
| Mahtargaon 132kV | 11/01/2020 23:45:00 | 96 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 2.162 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 00:00:00 | 1 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 3.022 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 00:15:00 | 2 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -2.152 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 00:30:00 | 3 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -2.152 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 00:45:00 | 4 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -3.022 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 01:00:00 | 5 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -0.629 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 01:15:00 | 6 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -3.317 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 01:30:00 | 7 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -3.354 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 01:45:00 | 8 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -3.022 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 02:00:00 | 9 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mahtargaon 132kV | 12/01/2020 02:15:00 | 10 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -3.022 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 02:30:00 | 11 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -2.690 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 02:45:00 | 12 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -3.022 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 03:00:00 | 13 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 3.354 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 03:15:00 | 14 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 3.022 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 03:30:00 | 15 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 3.354 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 03:45:00 | 16 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 2.152 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 04:00:00 | 17 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -2.152 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 04:15:00 | 18 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -3.022 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 04:30:00 | 19 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 1.076 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 04:45:00 | 20 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -3.022 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 05:00:00 | 21 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 3.686 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 05:15:00 | 22 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 3.686 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 05:30:00 | 23 | 20000.0 | 45.0 | 60.0 | 15.0 | 0.07 | 0.00 | -1.614 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 05:45:00 | 24 | 20000.0 | 45.0 | 50.0 | 5.0 | 0.03 | 0.00 | -0.496 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 06:00:00 | 25 | 20000.0 | 45.0 | 50.0 | 5.0 | 0.03 | 0.00 | 0.000 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 06:15:00 | 26 | 20000.0 | 45.0 | 50.0 | 5.0 | 0.03 | 0.00 | -0.430 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 06:30:00 | 27 | 20000.0 | 45.0 | 50.0 | 5.0 | 0.03 | 0.00 | -2.152 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 06:45:00 | 28 | 20000.0 | 45.0 | 40.0 | -5.0 | 0.03 | 0.00 | 4.681 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 07:00:00 | 29 | 20000.0 | 67.5 | 20.0 | -47.5 | 0.24 | 0.00 | 1.614 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 07:15:00 | 30 | 20000.0 | 415.0 | 0.0 | -415.0 | 2.08 | 0.00 | 3.838 | 343.477435 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mahtargaon 132kV | 12/01/2020 07:30:00 | 31 | 20000.0 | 927.5 | 0.0 | -927.5 | 4.64 | 0.00 | 3.022 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 07:45:00 | 32 | 20000.0 | 1595.0 | 0.0 | -1595.0 | 7.98 | 0.00 | 2.690 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 08:00:00 | 33 | 20000.0 | 2460.0 | 0.0 | -2460.0 | 12.3 | 0.00 | -2.690 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 08:15:00 | 34 | 20000.0 | 3407.5 | 0.0 | -3407.5 | 17.04 | 203.75 | -4.018 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 08:30:00 | 35 | 20000.0 | 4212.5 | 0.0 | -4212.5 | 21.06 | 606.25 | -2.690 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 08:45:00 | 36 | 20000.0 | 4972.5 | 0.0 | -4972.5 | 24.86 | 986.25 | 3.022 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 09:00:00 | 37 | 20000.0 | 6097.5 | 0.0 | -6097.5 | 30.49 | 2097.50 | -3.354 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 09:15:00 | 38 | 20000.0 | 7777.5 | 0.0 | -7777.5 | 38.89 | 4166.25 | -4.350 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 09:30:00 | 39 | 20000.0 | 8730.0 | 0.0 | -8730.0 | 43.65 | 5595.00 | 2.152 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 09:45:00 | 40 | 20000.0 | 11950.0 | 0.0 | -11950.0 | 59.75 | 10425.00 | -2.690 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 10:00:00 | 41 | 20000.0 | 13067.5 | 0.0 | -13067.5 | 65.34 | 12101.25 | -3.354 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 10:15:00 | 42 | 20000.0 | 13950.0 | 0.0 | -13950.0 | 69.75 | 13425.00 | -3.686 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 10:30:00 | 43 | 20000.0 | 14767.5 | 0.0 | -14767.5 | 73.84 | 14651.25 | -1.614 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 10:45:00 | 44 | 20000.0 | 15537.5 | 0.0 | -15537.5 | 77.69 | 15806.25 | 3.686 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 11:00:00 | 45 | 20000.0 | 16052.5 | 0.0 | -16052.5 | 80.26 | 16578.75 | -3.354 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 11:15:00 | 46 | 20000.0 | 16607.5 | 0.0 | -16607.5 | 83.04 | 17411.25 | -5.450 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 11:30:00 | 47 | 20000.0 | 17015.0 | 0.0 | -17015.0 | 85.08 | 18022.50 | -6.009 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 11:45:00 | 48 | 20000.0 | 17365.0 | 0.0 | -17365.0 | 86.83 | 18547.50 | 2.690 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 12:00:00 | 49 | 20000.0 | 17480.0 | 0.0 | -17480.0 | 87.4 | 18720.00 | 3.686 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 12:15:00 | 50 | 20000.0 | 17567.5 | 0.0 | -17567.5 | 87.84 | 18851.25 | -5.345 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 12:30:00 | 51 | 20000.0 | 17582.5 | 0.0 | -17582.5 | 87.91 | 18873.75 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mahtargaon 132kV | 12/01/2020 12:45:00 | 52 | 20000.0 | 17555.0 | 0.0 | -17555.0 | 87.78 | 18832.50 | -5.345 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 13:00:00 | 53 | 20000.0 | 17267.5 | 0.0 | -17267.5 | 86.34 | 18401.25 | -3.999 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 13:15:00 | 54 | 20000.0 | 16907.5 | 0.0 | -16907.5 | 84.54 | 17861.25 | -4.350 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 13:30:00 | 55 | 20000.0 | 16500.0 | 0.0 | -16500.0 | 82.5 | 17250.00 | -1.076 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 13:45:00 | 56 | 20000.0 | 16102.5 | 0.0 | -16102.5 | 80.51 | 16653.75 | -2.690 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 14:00:00 | 57 | 20000.0 | 15405.0 | 0.0 | -15405.0 | 77.03 | 15607.50 | -0.538 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 14:15:00 | 58 | 20000.0 | 14565.0 | 0.0 | -14565.0 | 72.82 | 14347.50 | -2.152 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 14:30:00 | 59 | 20000.0 | 13692.5 | 0.0 | -13692.5 | 68.46 | 13038.75 | -2.690 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 14:45:00 | 60 | 20000.0 | 12797.5 | 0.0 | -12797.5 | 63.99 | 11696.25 | -1.076 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 15:00:00 | 61 | 20000.0 | 11610.0 | 0.0 | -11610.0 | 58.05 | 9915.00 | 0.000 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 15:15:00 | 62 | 20000.0 | 10605.0 | 0.0 | -10605.0 | 53.02 | 8407.50 | -2.690 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 15:30:00 | 63 | 20000.0 | 9565.0 | 0.0 | -9565.0 | 47.83 | 6847.50 | -3.022 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 15:45:00 | 64 | 20000.0 | 8347.5 | 0.0 | -8347.5 | 41.74 | 5021.25 | -3.686 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 16:00:00 | 65 | 20000.0 | 7035.0 | 0.0 | -7035.0 | 35.17 | 3052.50 | -3.737 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 16:15:00 | 66 | 20000.0 | 5870.0 | 0.0 | -5870.0 | 29.35 | 1870.00 | -5.786 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 16:30:00 | 67 | 20000.0 | 4652.5 | 0.0 | -4652.5 | 23.26 | 826.25 | -4.350 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 16:45:00 | 68 | 20000.0 | 3490.0 | 0.0 | -3490.0 | 17.45 | 245.00 | -1.614 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 17:00:00 | 69 | 20000.0 | 2540.0 | 0.0 | -2540.0 | 12.7 | 0.00 | 0.000 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 17:15:00 | 70 | 20000.0 | 1695.0 | 0.0 | -1695.0 | 8.48 | 0.00 | 2.690 | 439.435100 |
| Mahtargaon 132kV | 12/01/2020 17:30:00 | 71 | 20000.0 | 932.5 | 0.0 | -932.5 | 4.66 | 0.00 | -3.022 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 17:45:00 | 72 | 20000.0 | 262.5 | 0.0 | -262.5 | 1.31 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mahtargaon 132kV | 12/01/2020 18:00:00 | 73 | 20000.0 | 132.5 | 50.0 | -82.5 | 0.41 | 0.00 | -0.538 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 18:15:00 | 74 | 20000.0 | 77.5 | 70.0 | -7.5 | 0.04 | 0.00 | -4.350 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 18:30:00 | 75 | 20000.0 | 37.5 | 60.0 | 22.5 | 0.11 | 0.00 | 2.690 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 18:45:00 | 76 | 20000.0 | 25.0 | 50.0 | 25.0 | 0.12 | 0.00 | 3.022 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 19:00:00 | 77 | 20000.0 | 25.0 | 50.0 | 25.0 | 0.12 | 0.00 | 3.686 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 19:15:00 | 78 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 2.690 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 19:30:00 | 79 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -3.022 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 19:45:00 | 80 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -1.781 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 20:00:00 | 81 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -3.021 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 20:15:00 | 82 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -4.018 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 20:30:00 | 83 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -3.354 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 20:45:00 | 84 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -1.614 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 21:00:00 | 85 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -4.350 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 21:15:00 | 86 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | -3.686 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 21:30:00 | 87 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -1.614 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 21:45:00 | 88 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 0.000 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 22:00:00 | 89 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | -3.354 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 22:15:00 | 90 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 4.350 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 22:30:00 | 91 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 5.215 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 22:45:00 | 92 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 3.022 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 23:00:00 | 93 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mahtargaon 132kV | 12/01/2020 23:15:00 | 94 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 2.152 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 23:30:00 | 95 | 20000.0 | 0.0 | 60.0 | 60.0 | 0.3 | 0.00 | 2.152 | 0.000000 |
| Mahtargaon 132kV | 12/01/2020 23:45:00 | 96 | 20000.0 | 0.0 | 50.0 | 50.0 | 0.25 | 0.00 | 2.152 | 0.000000 |
| Mayni 110kV | 06/01/2020 00:00:00 | 1 | 24750.0 | 3192.5 | 9995.31 | 6802.81 | 27.49 | 1852.81 | 2.903 | 0.000000 |
| Mayni 110kV | 06/01/2020 00:15:00 | 2 | 24750.0 | 3177.5 | 10012.5 | 6835.0 | 27.62 | 1885.00 | 0.000 | 0.000000 |
| Mayni 110kV | 06/01/2020 00:30:00 | 3 | 24750.0 | 3182.5 | 10081.25 | 6898.75 | 27.87 | 1948.75 | 0.000 | 0.000000 |
| Mayni 110kV | 06/01/2020 00:45:00 | 4 | 24750.0 | 3190.0 | 10318.75 | 7128.75 | 28.8 | 2178.75 | -0.984 | 0.000000 |
| Mayni 110kV | 06/01/2020 01:00:00 | 5 | 24750.0 | 3207.5 | 10339.06 | 7131.56 | 28.81 | 2181.56 | -3.541 | 0.000000 |
| Mayni 110kV | 06/01/2020 01:15:00 | 6 | 24750.0 | 3207.5 | 10190.63 | 6983.13 | 28.21 | 2033.13 | 3.222 | 0.000000 |
| Mayni 110kV | 06/01/2020 01:30:00 | 7 | 24750.0 | 3215.0 | 10815.62 | 7600.62 | 30.71 | 2650.62 | 3.541 | 0.000000 |
| Mayni 110kV | 06/01/2020 01:45:00 | 8 | 24750.0 | 3222.5 | 11171.88 | 7949.38 | 32.12 | 2999.38 | 2.352 | 0.000000 |
| Mayni 110kV | 06/01/2020 02:00:00 | 9 | 24750.0 | 3227.5 | 11634.38 | 8406.88 | 33.97 | 3456.88 | 1.747 | 0.000000 |
| Mayni 110kV | 06/01/2020 02:15:00 | 10 | 24750.0 | 3237.5 | 12262.5 | 9025.0 | 36.46 | 4256.25 | 0.581 | 0.000000 |
| Mayni 110kV | 06/01/2020 02:30:00 | 11 | 24750.0 | 3245.0 | 12798.44 | 9553.44 | 38.6 | 5048.91 | -2.323 | 0.000000 |
| Mayni 110kV | 06/01/2020 02:45:00 | 12 | 24750.0 | 3127.5 | 9809.38 | 6681.88 | 27.0 | 1731.88 | 2.323 | 0.000000 |
| Mayni 110kV | 06/01/2020 03:00:00 | 13 | 24750.0 | 3137.5 | 9918.75 | 6781.25 | 27.4 | 1831.25 | 2.323 | 0.000000 |
| Mayni 110kV | 06/01/2020 03:15:00 | 14 | 24750.0 | 3132.5 | 10089.06 | 6956.56 | 28.11 | 2006.56 | -1.742 | -209.499191 |
| Mayni 110kV | 06/01/2020 03:30:00 | 15 | 24750.0 | 3135.0 | 10435.94 | 7300.94 | 29.5 | 2350.94 | 3.222 | 0.000000 |
| Mayni 110kV | 06/01/2020 03:45:00 | 16 | 24750.0 | 3170.0 | 10454.69 | 7284.69 | 29.43 | 2334.69 | 3.541 | 0.000000 |
| Mayni 110kV | 06/01/2020 04:00:00 | 17 | 24750.0 | 3170.0 | 10432.81 | 7262.81 | 29.34 | 2312.81 | 4.496 | 0.000000 |
| Mayni 110kV | 06/01/2020 04:15:00 | 18 | 24750.0 | 3372.5 | 10404.69 | 7032.19 | 28.41 | 2082.19 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mayni 110kV | 06/01/2020 04:30:00 | 19 | 24750.0 | 3207.5 | 11218.75 | 8011.25 | 32.37 | 3061.25 | 3.859 | 0.000000 |
| Mayni 110kV | 06/01/2020 04:45:00 | 20 | 24750.0 | 3297.5 | 12735.94 | 9438.44 | 38.14 | 4876.41 | 4.815 | 0.000000 |
| Mayni 110kV | 06/01/2020 05:00:00 | 21 | 24750.0 | 3282.5 | 12695.31 | 9412.81 | 38.03 | 4837.97 | 3.859 | 0.000000 |
| Mayni 110kV | 06/01/2020 05:15:00 | 22 | 24750.0 | 3207.5 | 12659.38 | 9451.88 | 38.19 | 4896.57 | 6.407 | 0.000000 |
| Mayni 110kV | 06/01/2020 05:30:00 | 23 | 24750.0 | 3220.0 | 12370.31 | 9150.31 | 36.97 | 4444.22 | 6.496 | 0.000000 |
| Mayni 110kV | 06/01/2020 05:45:00 | 24 | 24750.0 | 3255.0 | 12203.12 | 8948.12 | 36.15 | 4140.93 | 7.492 | 0.000000 |
| Mayni 110kV | 06/01/2020 06:00:00 | 25 | 24750.0 | 3185.0 | 11853.12 | 8668.12 | 35.02 | 3720.93 | -5.452 | 0.000000 |
| Mayni 110kV | 06/01/2020 06:15:00 | 26 | 24750.0 | 3357.5 | 11584.37 | 8226.87 | 33.24 | 3276.87 | -6.089 | 0.000000 |
| Mayni 110kV | 06/01/2020 06:30:00 | 27 | 24750.0 | 3282.5 | 11818.75 | 8536.25 | 34.49 | 3586.25 | -7.044 | 0.000000 |
| Mayni 110kV | 06/01/2020 06:45:00 | 28 | 24750.0 | 3295.0 | 11787.5 | 8492.5 | 34.31 | 3542.50 | 7.682 | 0.000000 |
| Mayni 110kV | 06/01/2020 07:00:00 | 29 | 24750.0 | 3255.0 | 11690.62 | 8435.62 | 34.08 | 3485.62 | -3.859 | 0.000000 |
| Mayni 110kV | 06/01/2020 07:15:00 | 30 | 24750.0 | 3230.0 | 11823.44 | 8593.44 | 34.72 | 3643.44 | 4.815 | 0.000000 |
| Mayni 110kV | 06/01/2020 07:30:00 | 31 | 24750.0 | 3220.0 | 11712.5 | 8492.5 | 34.31 | 3542.50 | 4.178 | 0.000000 |
| Mayni 110kV | 06/01/2020 07:45:00 | 32 | 24750.0 | 3262.5 | 11335.94 | 8073.44 | 32.62 | 3123.44 | -3.540 | -3571.497253 |
| Mayni 110kV | 06/01/2020 08:00:00 | 33 | 24750.0 | 3302.5 | 11109.38 | 7806.88 | 31.54 | 2856.88 | -3.859 | -2055.748264 |
| Mayni 110kV | 06/01/2020 08:15:00 | 34 | 24750.0 | 3282.5 | 10437.5 | 7155.0 | 28.91 | 2205.00 | -5.452 | -614.761255 |
| Mayni 110kV | 06/01/2020 08:30:00 | 35 | 24750.0 | 3207.5 | 10590.62 | 7383.12 | 29.83 | 2433.12 | 4.178 | 0.000000 |
| Mayni 110kV | 06/01/2020 08:45:00 | 36 | 24750.0 | 3220.0 | 9831.25 | 6611.25 | 26.71 | 1661.25 | -3.859 | -669.879084 |
| Mayni 110kV | 06/01/2020 09:00:00 | 37 | 24750.0 | 3255.0 | 9426.56 | 6171.56 | 24.94 | 1229.53 | -6.407 | -1933.840413 |
| Mayni 110kV | 06/01/2020 09:15:00 | 38 | 24750.0 | 3185.0 | 8756.25 | 5571.25 | 22.51 | 929.38 | -8.000 | -885.798928 |
| Mayni 110kV | 06/01/2020 09:30:00 | 39 | 24750.0 | 3357.5 | 8575.0 | 5217.5 | 21.08 | 752.50 | -5.770 | -359.128489 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mayni 110kV | 06/01/2020 09:45:00 | 40 | 24750.0 | 3282.5 | 7759.37 | 4476.87 | 18.09 | 382.19 | 3.222 | 0.000000 |
| Mayni 110kV | 06/01/2020 10:00:00 | 41 | 24750.0 | 3295.0 | 6420.31 | 3125.31 | 12.63 | 0.00 | -2.903 | -426.440238 |
| Mayni 110kV | 06/01/2020 10:15:00 | 42 | 24750.0 | 3255.0 | 4923.44 | 1668.44 | 6.74 | 0.00 | -3.222 | -46.919373 |
| Mayni 110kV | 06/01/2020 10:30:00 | 43 | 24750.0 | 3057.5 | 4137.5 | 1080.0 | 4.36 | 0.00 | 4.815 | 0.000000 |
| Mayni 110kV | 06/01/2020 10:45:00 | 44 | 24750.0 | 3065.0 | 3317.19 | 252.19 | 1.02 | 0.00 | 4.496 | 0.000000 |
| Mayni 110kV | 06/01/2020 11:00:00 | 45 | 24750.0 | 3082.5 | 2996.88 | -85.62 | 0.35 | 0.00 | 16.000 | 0.000000 |
| Mayni 110kV | 06/01/2020 11:15:00 | 46 | 24750.0 | 3082.5 | 2821.87 | -260.63 | 1.05 | 0.00 | 5.133 | 0.000000 |
| Mayni 110kV | 06/01/2020 11:30:00 | 47 | 24750.0 | 3090.0 | 2081.25 | -1008.75 | 4.08 | 0.00 | 1.182 | 0.000000 |
| Mayni 110kV | 06/01/2020 11:45:00 | 48 | 24750.0 | 3097.5 | 1862.5 | -1235.0 | 4.99 | 0.00 | 6.308 | 0.000000 |
| Mayni 110kV | 06/01/2020 12:00:00 | 49 | 24750.0 | 3102.5 | 1482.81 | -1619.69 | 6.54 | 0.00 | 6.598 | 0.000000 |
| Mayni 110kV | 06/01/2020 12:15:00 | 50 | 24750.0 | 3112.5 | 1084.38 | -2028.12 | 8.19 | 0.00 | 5.431 | 0.000000 |
| Mayni 110kV | 06/01/2020 12:30:00 | 51 | 24750.0 | 3120.0 | 970.31 | -2149.69 | 8.69 | 0.00 | 3.540 | 0.000000 |
| Mayni 110kV | 06/01/2020 12:45:00 | 52 | 24750.0 | 3127.5 | 828.13 | -2299.37 | 9.29 | 0.00 | -2.903 | 0.000000 |
| Mayni 110kV | 06/01/2020 13:00:00 | 53 | 24750.0 | 3137.5 | 778.12 | -2359.38 | 9.53 | 0.00 | -1.161 | 0.000000 |
| Mayni 110kV | 06/01/2020 13:15:00 | 54 | 24750.0 | 3132.5 | 798.44 | -2334.06 | 9.43 | 0.00 | 3.859 | 0.000000 |
| Mayni 110kV | 06/01/2020 13:30:00 | 55 | 24750.0 | 3135.0 | 1014.06 | -2120.94 | 8.57 | 0.00 | -6.407 | 0.000000 |
| Mayni 110kV | 06/01/2020 13:45:00 | 56 | 24750.0 | 3170.0 | 1071.87 | -2098.13 | 8.48 | 0.00 | 5.452 | 0.000000 |
| Mayni 110kV | 06/01/2020 14:00:00 | 57 | 24750.0 | 3170.0 | 1015.63 | -2154.37 | 8.7 | 0.00 | 5.452 | 0.000000 |
| Mayni 110kV | 06/01/2020 14:15:00 | 58 | 24750.0 | 3172.5 | 746.88 | -2425.62 | 9.8 | 0.00 | 16.000 | 0.000000 |
| Mayni 110kV | 06/01/2020 14:30:00 | 59 | 24750.0 | 3177.5 | 665.63 | -2511.87 | 10.15 | 0.00 | 6.035 | 0.000000 |
| Mayni 110kV | 06/01/2020 14:45:00 | 60 | 24750.0 | 3162.5 | 854.69 | -2307.81 | 9.32 | 0.00 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mayni 110kV | 06/01/2020 15:00:00 | 61 | 24750.0 | 3212.5 | 887.5 | -2325.0 | 9.39 | 0.00 | 3.367 | 0.000000 |
| Mayni 110kV | 06/01/2020 15:15:00 | 62 | 24750.0 | 3137.5 | 773.44 | -2364.06 | 9.55 | 0.00 | 3.904 | 0.000000 |
| Mayni 110kV | 06/01/2020 15:30:00 | 63 | 24750.0 | 3087.5 | 940.63 | -2146.87 | 8.67 | 0.00 | 4.482 | 0.000000 |
| Mayni 110kV | 06/01/2020 15:45:00 | 64 | 24750.0 | 3170.0 | 867.19 | -2302.81 | 9.3 | 0.00 | 4.225 | 0.000000 |
| Mayni 110kV | 06/01/2020 16:00:00 | 65 | 24750.0 | 3140.0 | 723.44 | -2416.56 | 9.76 | 0.00 | 2.895 | 0.000000 |
| Mayni 110kV | 06/01/2020 16:15:00 | 66 | 24750.0 | 3090.0 | 937.5 | -2152.5 | 8.7 | 0.00 | 6.089 | 0.000000 |
| Mayni 110kV | 06/01/2020 16:30:00 | 67 | 24750.0 | 3097.5 | 789.06 | -2308.44 | 9.33 | 0.00 | -8.000 | 0.000000 |
| Mayni 110kV | 06/01/2020 16:45:00 | 68 | 24750.0 | 3102.5 | 664.06 | -2438.44 | 9.85 | 0.00 | -4.178 | 0.000000 |
| Mayni 110kV | 06/01/2020 17:00:00 | 69 | 24750.0 | 3112.5 | 448.44 | -2664.06 | 10.76 | 0.00 | 1.742 | 0.000000 |
| Mayni 110kV | 06/01/2020 17:15:00 | 70 | 24750.0 | 3120.0 | 271.88 | -2848.12 | 11.51 | 0.00 | 2.903 | 0.000000 |
| Mayni 110kV | 06/01/2020 17:30:00 | 71 | 24750.0 | 3127.5 | 351.56 | -2775.94 | 11.22 | 0.00 | -4.178 | 0.000000 |
| Mayni 110kV | 06/01/2020 17:45:00 | 72 | 24750.0 | 3137.5 | 400.0 | -2737.5 | 11.06 | 0.00 | -2.323 | 0.000000 |
| Mayni 110kV | 06/01/2020 18:00:00 | 73 | 24750.0 | 3132.5 | 250.0 | -2882.5 | 11.65 | 0.00 | -2.903 | 0.000000 |
| Mayni 110kV | 06/01/2020 18:15:00 | 74 | 24750.0 | 3135.0 | 101.56 | -3033.44 | 12.26 | 0.00 | 1.161 | 788.874884 |
| Mayni 110kV | 06/01/2020 18:30:00 | 75 | 24750.0 | 3170.0 | 15.62 | -3154.38 | 12.74 | 0.00 | 2.903 | 2686.691527 |
| Mayni 110kV | 06/01/2020 18:45:00 | 76 | 24750.0 | 3170.0 | 0.0 | -3170.0 | 12.81 | 0.00 | 2.903 | 63.917409 |
| Mayni 110kV | 06/01/2020 19:00:00 | 77 | 24750.0 | 3172.5 | 0.0 | -3172.5 | 12.82 | 0.00 | -1.161 | 0.000000 |
| Mayni 110kV | 06/01/2020 19:15:00 | 78 | 24750.0 | 3177.5 | 0.0 | -3177.5 | 12.84 | 0.00 | -4.178 | 0.000000 |
| Mayni 110kV | 06/01/2020 19:30:00 | 79 | 24750.0 | 3162.5 | 0.0 | -3162.5 | 12.78 | 0.00 | -2.323 | 0.000000 |
| Mayni 110kV | 06/01/2020 19:45:00 | 80 | 24750.0 | 3212.5 | 0.0 | -3212.5 | 12.98 | 0.00 | -4.178 | 0.000000 |
| Mayni 110kV | 06/01/2020 20:00:00 | 81 | 24750.0 | 3137.5 | 0.0 | -3137.5 | 12.68 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mayni 110kV | 06/01/2020 20:15:00 | 82 | 24750.0 | 3112.5 | 1.56 | -3110.94 | 12.57 | 0.00 | -5.770 | 0.000000 |
| Mayni 110kV | 06/01/2020 20:30:00 | 83 | 24750.0 | 3097.5 | 225.0 | -2872.5 | 11.61 | 0.00 | 5.770 | 391.387243 |
| Mayni 110kV | 06/01/2020 20:45:00 | 84 | 24750.0 | 3102.5 | 525.0 | -2577.5 | 10.41 | 0.00 | 4.178 | 1065.933733 |
| Mayni 110kV | 06/01/2020 21:00:00 | 85 | 24750.0 | 3112.5 | 859.38 | -2253.12 | 9.1 | 0.00 | 3.222 | 492.931829 |
| Mayni 110kV | 06/01/2020 21:15:00 | 86 | 24750.0 | 3120.0 | 1803.12 | -1316.88 | 5.32 | 0.00 | -1.742 | 0.000000 |
| Mayni 110kV | 06/01/2020 21:30:00 | 87 | 24750.0 | 3127.5 | 1882.81 | -1244.69 | 5.03 | 0.00 | 0.000 | 0.000000 |
| Mayni 110kV | 06/01/2020 21:45:00 | 88 | 24750.0 | 3137.5 | 1770.31 | -1367.19 | 5.52 | 0.00 | 1.161 | 0.000000 |
| Mayni 110kV | 06/01/2020 22:00:00 | 89 | 24750.0 | 3132.5 | 1925.0 | -1207.5 | 4.88 | 0.00 | 4.815 | 707.023974 |
| Mayni 110kV | 06/01/2020 22:15:00 | 90 | 24750.0 | 3135.0 | 2515.62 | -619.38 | 2.5 | 0.00 | 3.859 | 374.168093 |
| Mayni 110kV | 06/01/2020 22:30:00 | 91 | 24750.0 | 3170.0 | 3125.0 | -45.0 | 0.18 | 0.00 | 1.742 | 0.000000 |
| Mayni 110kV | 06/01/2020 22:45:00 | 92 | 24750.0 | 3170.0 | 3539.06 | 369.06 | 1.49 | 0.00 | -2.323 | 0.000000 |
| Mayni 110kV | 06/01/2020 23:00:00 | 93 | 24750.0 | 3172.5 | 3289.06 | 116.56 | 0.47 | 0.00 | -2.903 | 0.000000 |
| Mayni 110kV | 06/01/2020 23:15:00 | 94 | 24750.0 | 3177.5 | 2951.56 | -225.94 | 0.91 | 0.00 | 2.323 | 0.000000 |
| Mayni 110kV | 06/01/2020 23:30:00 | 95 | 24750.0 | 3162.5 | 2967.19 | -195.31 | 0.79 | 0.00 | -3.222 | 0.000000 |
| Mayni 110kV | 06/01/2020 23:45:00 | 96 | 24750.0 | 3212.5 | 2928.12 | -284.38 | 1.15 | 0.00 | 2.323 | 0.000000 |
| Mayni 110kV | 07/01/2020 00:00:00 | 1 | 24750.0 | 3192.5 | 2820.31 | -372.19 | 1.5 | 0.00 | -0.549 | 0.000000 |
| Mayni 110kV | 07/01/2020 00:15:00 | 2 | 24750.0 | 3177.5 | 2832.81 | -344.69 | 1.39 | 0.00 | -1.647 | 0.000000 |
| Mayni 110kV | 07/01/2020 00:30:00 | 3 | 24750.0 | 3182.5 | 2890.63 | -291.87 | 1.18 | 0.00 | -3.073 | 0.000000 |
| Mayni 110kV | 07/01/2020 00:45:00 | 4 | 24750.0 | 3190.0 | 2926.56 | -263.44 | 1.06 | 0.00 | -2.744 | 0.000000 |
| Mayni 110kV | 07/01/2020 01:00:00 | 5 | 24750.0 | 3207.5 | 3115.63 | -91.87 | 0.37 | 0.00 | -4.058 | 0.000000 |
| Mayni 110kV | 07/01/2020 01:15:00 | 6 | 24750.0 | 3207.5 | 3267.19 | 59.69 | 0.24 | 0.00 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mayni 110kV | 07/01/2020 01:30:00 | 7 | 24750.0 | 3215.0 | 3090.62 | -124.38 | 0.5 | 0.00 | -3.401 | 0.000000 |
| Mayni 110kV | 07/01/2020 01:45:00 | 8 | 24750.0 | 3222.5 | 2517.19 | -705.31 | 2.85 | 0.00 | 3.730 | 0.000000 |
| Mayni 110kV | 07/01/2020 02:00:00 | 9 | 24750.0 | 3227.5 | 1954.69 | -1272.81 | 5.14 | 0.00 | 3.073 | 277.100220 |
| Mayni 110kV | 07/01/2020 02:15:00 | 10 | 24750.0 | 3237.5 | 1796.88 | -1440.62 | 5.82 | 0.00 | 3.073 | 140.243894 |
| Mayni 110kV | 07/01/2020 02:30:00 | 11 | 24750.0 | 3245.0 | 2107.81 | -1137.19 | 4.59 | 0.00 | 3.401 | 154.842148 |
| Mayni 110kV | 07/01/2020 02:45:00 | 12 | 24750.0 | 3127.5 | 1929.69 | -1197.81 | 4.84 | 0.00 | 2.745 | 162.670190 |
| Mayni 110kV | 07/01/2020 03:00:00 | 13 | 24750.0 | 3137.5 | 1718.75 | -1418.75 | 5.73 | 0.00 | 1.647 | 0.000000 |
| Mayni 110kV | 07/01/2020 03:15:00 | 14 | 24750.0 | 3132.5 | 1546.87 | -1585.63 | 6.41 | 0.00 | 2.196 | 101.722417 |
| Mayni 110kV | 07/01/2020 03:30:00 | 15 | 24750.0 | 3135.0 | 1710.94 | -1424.06 | 5.75 | 0.00 | 1.647 | 121.544478 |
| Mayni 110kV | 07/01/2020 03:45:00 | 16 | 24750.0 | 3170.0 | 1718.75 | -1451.25 | 5.86 | 0.00 | 1.098 | 0.000000 |
| Mayni 110kV | 07/01/2020 04:00:00 | 17 | 24750.0 | 3170.0 | 1548.44 | -1621.56 | 6.55 | 0.00 | 1.647 | 593.815145 |
| Mayni 110kV | 07/01/2020 04:15:00 | 18 | 24750.0 | 3372.5 | 1340.63 | -2031.87 | 8.21 | 0.00 | 2.210 | 1454.733802 |
| Mayni 110kV | 07/01/2020 04:30:00 | 19 | 24750.0 | 3207.5 | 873.44 | -2334.06 | 9.43 | 0.00 | 3.730 | 2359.715474 |
| Mayni 110kV | 07/01/2020 04:45:00 | 20 | 24750.0 | 3297.5 | 589.06 | -2708.44 | 10.94 | 0.00 | -1.098 | 0.000000 |
| Mayni 110kV | 07/01/2020 05:00:00 | 21 | 24750.0 | 3282.5 | 606.25 | -2676.25 | 10.81 | 0.00 | -2.744 | 0.000000 |
| Mayni 110kV | 07/01/2020 05:15:00 | 22 | 24750.0 | 3207.5 | 662.5 | -2545.0 | 10.28 | 0.00 | 3.730 | 1307.413485 |
| Mayni 110kV | 07/01/2020 05:30:00 | 23 | 24750.0 | 3220.0 | 759.38 | -2460.62 | 9.94 | 0.00 | 3.073 | 2839.802156 |
| Mayni 110kV | 07/01/2020 05:45:00 | 24 | 24750.0 | 3255.0 | 592.19 | -2662.81 | 10.76 | 0.00 | 3.730 | 2387.369066 |
| Mayni 110kV | 07/01/2020 06:00:00 | 25 | 24750.0 | 3185.0 | 437.5 | -2747.5 | 11.1 | 0.00 | -5.372 | 0.000000 |
| Mayni 110kV | 07/01/2020 06:15:00 | 26 | 24750.0 | 3357.5 | 440.62 | -2916.88 | 11.79 | 0.00 | 4.556 | 9719.329441 |
| Mayni 110kV | 07/01/2020 06:30:00 | 27 | 24750.0 | 3282.5 | 551.56 | -2730.94 | 11.03 | 0.00 | 7.148 | 15755.309395 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mayni 110kV | 07/01/2020 06:45:00 | 28 | 24750.0 | 3295.0 | 721.88 | -2573.12 | 10.4 | 0.00 | 7.821 | 13612.354166 |
| Mayni 110kV | 07/01/2020 07:00:00 | 29 | 24750.0 | 3255.0 | 890.62 | -2364.38 | 9.55 | 0.00 | 5.372 | 6283.216067 |
| Mayni 110kV | 07/01/2020 07:15:00 | 30 | 24750.0 | 3230.0 | 1340.62 | -1889.38 | 7.63 | 0.00 | 16.000 | 0.000000 |
| Mayni 110kV | 07/01/2020 07:30:00 | 31 | 24750.0 | 3220.0 | 1646.88 | -1573.12 | 6.36 | 0.00 | 9.296 | 0.000000 |
| Mayni 110kV | 07/01/2020 07:45:00 | 32 | 24750.0 | 3262.5 | 1696.88 | -1565.62 | 6.33 | 0.00 | 9.794 | 0.000000 |
| Mayni 110kV | 07/01/2020 08:00:00 | 33 | 24750.0 | 3302.5 | 1935.94 | -1366.56 | 5.52 | 0.00 | 3.593 | 0.000000 |
| Mayni 110kV | 07/01/2020 08:15:00 | 34 | 24750.0 | 3282.5 | 1909.37 | -1373.13 | 5.55 | 0.00 | 3.401 | 0.000000 |
| Mayni 110kV | 07/01/2020 08:30:00 | 35 | 24750.0 | 3207.5 | 2109.38 | -1098.12 | 4.44 | 0.00 | 3.245 | 0.000000 |
| Mayni 110kV | 07/01/2020 08:45:00 | 36 | 24750.0 | 3220.0 | 1890.62 | -1329.38 | 5.37 | 0.00 | 0.000 | 0.000000 |
| Mayni 110kV | 07/01/2020 09:00:00 | 37 | 24750.0 | 3255.0 | 1723.44 | -1531.56 | 6.19 | 0.00 | 2.745 | 0.000000 |
| Mayni 110kV | 07/01/2020 09:15:00 | 38 | 24750.0 | 3185.0 | 1998.44 | -1186.56 | 4.79 | 0.00 | 4.715 | 0.000000 |
| Mayni 110kV | 07/01/2020 09:30:00 | 39 | 24750.0 | 3357.5 | 1356.25 | -2001.25 | 8.09 | 0.00 | 3.981 | 0.000000 |
| Mayni 110kV | 07/01/2020 09:45:00 | 40 | 24750.0 | 3282.5 | 979.69 | -2302.81 | 9.3 | 0.00 | 3.730 | 0.000000 |
| Mayni 110kV | 07/01/2020 10:00:00 | 41 | 24750.0 | 3295.0 | 703.13 | -2591.87 | 10.47 | 0.00 | 1.780 | 0.000000 |
| Mayni 110kV | 07/01/2020 10:15:00 | 42 | 24750.0 | 3255.0 | 876.56 | -2378.44 | 9.61 | 0.00 | 5.643 | 0.000000 |
| Mayni 110kV | 07/01/2020 10:30:00 | 43 | 24750.0 | 3057.5 | 1065.62 | -1991.88 | 8.05 | 0.00 | 4.976 | 0.000000 |
| Mayni 110kV | 07/01/2020 10:45:00 | 44 | 24750.0 | 3065.0 | 1545.31 | -1519.69 | 6.14 | 0.00 | 4.415 | 0.000000 |
| Mayni 110kV | 07/01/2020 11:00:00 | 45 | 24750.0 | 3082.5 | 1342.19 | -1740.31 | 7.03 | 0.00 | 4.476 | 0.000000 |
| Mayni 110kV | 07/01/2020 11:15:00 | 46 | 24750.0 | 3082.5 | 1157.81 | -1924.69 | 7.78 | 0.00 | 4.826 | 0.000000 |
| Mayni 110kV | 07/01/2020 11:30:00 | 47 | 24750.0 | 3090.0 | 1112.5 | -1977.5 | 7.99 | 0.00 | 2.289 | 0.000000 |
| Mayni 110kV | 07/01/2020 11:45:00 | 48 | 24750.0 | 3097.5 | 1143.75 | -1953.75 | 7.89 | 0.00 | -0.549 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mayni 110kV | 07/01/2020 12:00:00 | 49 | 24750.0 | 3102.5 | 1307.81 | -1794.69 | 7.25 | 0.00 | 4.727 | 0.000000 |
| Mayni 110kV | 07/01/2020 12:15:00 | 50 | 24750.0 | 3112.5 | 1071.88 | -2040.62 | 8.24 | 0.00 | 4.777 | 0.000000 |
| Mayni 110kV | 07/01/2020 12:30:00 | 51 | 24750.0 | 3120.0 | 764.06 | -2355.94 | 9.52 | 0.00 | 4.798 | 0.000000 |
| Mayni 110kV | 07/01/2020 12:45:00 | 52 | 24750.0 | 3127.5 | 923.44 | -2204.06 | 8.91 | 0.00 | -3.401 | 0.000000 |
| Mayni 110kV | 07/01/2020 13:00:00 | 53 | 24750.0 | 3137.5 | 832.81 | -2304.69 | 9.31 | 0.00 | -2.431 | 0.000000 |
| Mayni 110kV | 07/01/2020 13:15:00 | 54 | 24750.0 | 3132.5 | 912.5 | -2220.0 | 8.97 | 0.00 | -4.387 | 0.000000 |
| Mayni 110kV | 07/01/2020 13:30:00 | 55 | 24750.0 | 3135.0 | 1006.25 | -2128.75 | 8.6 | 0.00 | -3.401 | 0.000000 |
| Mayni 110kV | 07/01/2020 13:45:00 | 56 | 24750.0 | 3170.0 | 879.69 | -2290.31 | 9.25 | 0.00 | -5.044 | 0.000000 |
| Mayni 110kV | 07/01/2020 14:00:00 | 57 | 24750.0 | 3170.0 | 862.5 | -2307.5 | 9.32 | 0.00 | 4.215 | 0.000000 |
| Mayni 110kV | 07/01/2020 14:15:00 | 58 | 24750.0 | 3172.5 | 968.75 | -2203.75 | 8.9 | 0.00 | 9.552 | 0.000000 |
| Mayni 110kV | 07/01/2020 14:30:00 | 59 | 24750.0 | 3177.5 | 1346.88 | -1830.62 | 7.4 | 0.00 | 6.358 | 0.000000 |
| Mayni 110kV | 07/01/2020 14:45:00 | 60 | 24750.0 | 3162.5 | 1203.12 | -1959.38 | 7.92 | 0.00 | 2.744 | 0.000000 |
| Mayni 110kV | 07/01/2020 15:00:00 | 61 | 24750.0 | 3212.5 | 946.87 | -2265.63 | 9.15 | 0.00 | -3.073 | 0.000000 |
| Mayni 110kV | 07/01/2020 15:15:00 | 62 | 24750.0 | 3137.5 | 953.13 | -2184.37 | 8.83 | 0.00 | -4.058 | 0.000000 |
| Mayni 110kV | 07/01/2020 15:30:00 | 63 | 24750.0 | 3087.5 | 1031.25 | -2056.25 | 8.31 | 0.00 | -4.831 | 0.000000 |
| Mayni 110kV | 07/01/2020 15:45:00 | 64 | 24750.0 | 3170.0 | 1167.19 | -2002.81 | 8.09 | 0.00 | -5.372 | 0.000000 |
| Mayni 110kV | 07/01/2020 16:00:00 | 65 | 24750.0 | 3140.0 | 978.12 | -2161.88 | 8.73 | 0.00 | 2.196 | 0.000000 |
| Mayni 110kV | 07/01/2020 16:15:00 | 66 | 24750.0 | 3090.0 | 1464.06 | -1625.94 | 6.57 | 0.00 | -3.401 | 0.000000 |
| Mayni 110kV | 07/01/2020 16:30:00 | 67 | 24750.0 | 3097.5 | 1857.81 | -1239.69 | 5.01 | 0.00 | 4.738 | 0.000000 |
| Mayni 110kV | 07/01/2020 16:45:00 | 68 | 24750.0 | 3102.5 | 2031.25 | -1071.25 | 4.33 | 0.00 | 7.343 | 0.000000 |
| Mayni 110kV | 07/01/2020 17:00:00 | 69 | 24750.0 | 3112.5 | 1912.5 | -1200.0 | 4.85 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mayni 110kV | 07/01/2020 17:15:00 | 70 | 24750.0 | 3120.0 | 1598.44 | -1521.56 | 6.15 | 0.00 | 2.744 | 253.105604 |
| Mayni 110kV | 07/01/2020 17:30:00 | 71 | 24750.0 | 3127.5 | 1565.62 | -1561.88 | 6.31 | 0.00 | 3.401 | 103.130052 |
| Mayni 110kV | 07/01/2020 17:45:00 | 72 | 24750.0 | 3137.5 | 1304.69 | -1832.81 | 7.41 | 0.00 | -2.745 | 0.000000 |
| Mayni 110kV | 07/01/2020 18:00:00 | 73 | 24750.0 | 3132.5 | 968.75 | -2163.75 | 8.74 | 0.00 | -3.073 | 0.000000 |
| Mayni 110kV | 07/01/2020 18:15:00 | 74 | 24750.0 | 3135.0 | 829.69 | -2305.31 | 9.31 | 0.00 | -5.372 | 0.000000 |
| Mayni 110kV | 07/01/2020 18:30:00 | 75 | 24750.0 | 3170.0 | 612.5 | -2557.5 | 10.33 | 0.00 | 3.401 | 0.000000 |
| Mayni 110kV | 07/01/2020 18:45:00 | 76 | 24750.0 | 3170.0 | 296.88 | -2873.12 | 11.61 | 0.00 | -3.401 | 0.000000 |
| Mayni 110kV | 07/01/2020 19:00:00 | 77 | 24750.0 | 3172.5 | 146.87 | -3025.63 | 12.22 | 0.00 | -3.730 | 0.000000 |
| Mayni 110kV | 07/01/2020 19:15:00 | 78 | 24750.0 | 3177.5 | 85.94 | -3091.56 | 12.49 | 0.00 | -4.715 | 0.000000 |
| Mayni 110kV | 07/01/2020 19:30:00 | 79 | 24750.0 | 3162.5 | 96.88 | -3065.62 | 12.39 | 0.00 | -4.058 | 0.000000 |
| Mayni 110kV | 07/01/2020 19:45:00 | 80 | 24750.0 | 3212.5 | 167.19 | -3045.31 | 12.3 | 0.00 | -2.210 | 0.000000 |
| Mayni 110kV | 07/01/2020 20:00:00 | 81 | 24750.0 | 3137.5 | 251.56 | -2885.94 | 11.66 | 0.00 | -2.348 | 0.000000 |
| Mayni 110kV | 07/01/2020 20:15:00 | 82 | 24750.0 | 3112.5 | 404.69 | -2707.81 | 10.94 | 0.00 | 4.387 | 4225.949127 |
| Mayni 110kV | 07/01/2020 20:30:00 | 83 | 24750.0 | 3097.5 | 603.12 | -2494.38 | 10.08 | 0.00 | 3.816 | 5090.253952 |
| Mayni 110kV | 07/01/2020 20:45:00 | 84 | 24750.0 | 3102.5 | 698.44 | -2404.06 | 9.71 | 0.00 | 3.401 | 1181.201286 |
| Mayni 110kV | 07/01/2020 21:00:00 | 85 | 24750.0 | 3112.5 | 681.25 | -2431.25 | 9.82 | 0.00 | -4.058 | 0.000000 |
| Mayni 110kV | 07/01/2020 21:15:00 | 86 | 24750.0 | 3120.0 | 545.31 | -2574.69 | 10.4 | 0.00 | 1.647 | 1364.676093 |
| Mayni 110kV | 07/01/2020 21:30:00 | 87 | 24750.0 | 3127.5 | 906.25 | -2221.25 | 8.97 | 0.00 | 2.196 | 708.321129 |
| Mayni 110kV | 07/01/2020 21:45:00 | 88 | 24750.0 | 3137.5 | 745.31 | -2392.19 | 9.67 | 0.00 | -2.196 | 0.000000 |
| Mayni 110kV | 07/01/2020 22:00:00 | 89 | 24750.0 | 3132.5 | 279.69 | -2852.81 | 11.53 | 0.00 | -3.257 | 0.000000 |
| Mayni 110kV | 07/01/2020 22:15:00 | 90 | 24750.0 | 3135.0 | 60.94 | -3074.06 | 12.42 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mayni 110kV | 07/01/2020 22:30:00 | 91 | 24750.0 | 3170.0 | 6.25 | -3163.75 | 12.78 | 0.00 | -1.098 | 0.000000 |
| Mayni 110kV | 07/01/2020 22:45:00 | 92 | 24750.0 | 3170.0 | 18.75 | -3151.25 | 12.73 | 0.00 | -1.647 | 0.000000 |
| Mayni 110kV | 07/01/2020 23:00:00 | 93 | 24750.0 | 3172.5 | 29.69 | -3142.81 | 12.7 | 0.00 | -3.401 | 0.000000 |
| Mayni 110kV | 07/01/2020 23:15:00 | 94 | 24750.0 | 3177.5 | 53.13 | -3124.37 | 12.62 | 0.00 | 1.647 | 0.000000 |
| Mayni 110kV | 07/01/2020 23:30:00 | 95 | 24750.0 | 3162.5 | 109.38 | -3053.12 | 12.34 | 0.00 | -2.196 | 0.000000 |
| Mayni 110kV | 07/01/2020 23:45:00 | 96 | 24750.0 | 3212.5 | 84.38 | -3128.12 | 12.64 | 0.00 | -0.549 | 0.000000 |
| Mayni 110kV | 08/01/2020 00:00:00 | 1 | 24750.0 | 3192.5 | 289.06 | -2903.44 | 11.73 | 0.00 | -2.220 | 0.000000 |
| Mayni 110kV | 08/01/2020 00:15:00 | 2 | 24750.0 | 3177.5 | 226.56 | -2950.94 | 11.92 | 0.00 | -3.101 | 0.000000 |
| Mayni 110kV | 08/01/2020 00:30:00 | 3 | 24750.0 | 3182.5 | 162.5 | -3020.0 | 12.2 | 0.00 | -3.101 | 0.000000 |
| Mayni 110kV | 08/01/2020 00:45:00 | 4 | 24750.0 | 3190.0 | 140.62 | -3049.38 | 12.32 | 0.00 | -2.424 | 0.000000 |
| Mayni 110kV | 08/01/2020 01:00:00 | 5 | 24750.0 | 3207.5 | 62.5 | -3145.0 | 12.71 | 0.00 | -2.170 | 0.000000 |
| Mayni 110kV | 08/01/2020 01:15:00 | 6 | 24750.0 | 3207.5 | 12.5 | -3195.0 | 12.91 | 0.00 | -1.761 | 0.000000 |
| Mayni 110kV | 08/01/2020 01:30:00 | 7 | 24750.0 | 3215.0 | 1.56 | -3213.44 | 12.98 | 0.00 | -1.665 | 0.000000 |
| Mayni 110kV | 08/01/2020 01:45:00 | 8 | 24750.0 | 3222.5 | 18.75 | -3203.75 | 12.94 | 0.00 | -1.665 | 0.000000 |
| Mayni 110kV | 08/01/2020 02:00:00 | 9 | 24750.0 | 3227.5 | 0.0 | -3227.5 | 13.04 | 0.00 | -1.110 | 0.000000 |
| Mayni 110kV | 08/01/2020 02:15:00 | 10 | 24750.0 | 3237.5 | 6.25 | -3231.25 | 13.06 | 0.00 | -1.347 | 0.000000 |
| Mayni 110kV | 08/01/2020 02:30:00 | 11 | 24750.0 | 3245.0 | 29.69 | -3215.31 | 12.99 | 0.00 | -3.101 | 0.000000 |
| Mayni 110kV | 08/01/2020 02:45:00 | 12 | 24750.0 | 3127.5 | 39.06 | -3088.44 | 12.48 | 0.00 | -2.220 | 0.000000 |
| Mayni 110kV | 08/01/2020 03:00:00 | 13 | 24750.0 | 3137.5 | 123.44 | -3014.06 | 12.18 | 0.00 | -3.428 | 0.000000 |
| Mayni 110kV | 08/01/2020 03:15:00 | 14 | 24750.0 | 3132.5 | 53.12 | -3079.38 | 12.44 | 0.00 | -2.220 | 0.000000 |
| Mayni 110kV | 08/01/2020 03:30:00 | 15 | 24750.0 | 3135.0 | 7.81 | -3127.19 | 12.64 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mayni 110kV | 08/01/2020 03:45:00 | 16 | 24750.0 | 3170.0 | 0.0 | -3170.0 | 12.81 | 0.00 | -2.775 | 0.000000 |
| Mayni 110kV | 08/01/2020 04:00:00 | 17 | 24750.0 | 3170.0 | 12.5 | -3157.5 | 12.76 | 0.00 | -3.101 | 0.000000 |
| Mayni 110kV | 08/01/2020 04:15:00 | 18 | 24750.0 | 3372.5 | 15.62 | -3356.88 | 13.56 | 0.00 | -1.665 | 0.000000 |
| Mayni 110kV | 08/01/2020 04:30:00 | 19 | 24750.0 | 3207.5 | 231.25 | -2976.25 | 12.03 | 0.00 | -2.220 | 0.000000 |
| Mayni 110kV | 08/01/2020 04:45:00 | 20 | 24750.0 | 3297.5 | 106.25 | -3191.25 | 12.89 | 0.00 | -2.775 | 0.000000 |
| Mayni 110kV | 08/01/2020 05:00:00 | 21 | 24750.0 | 3282.5 | 137.5 | -3145.0 | 12.71 | 0.00 | -1.110 | 0.000000 |
| Mayni 110kV | 08/01/2020 05:15:00 | 22 | 24750.0 | 3207.5 | 81.25 | -3126.25 | 12.63 | 0.00 | 2.775 | 150.647913 |
| Mayni 110kV | 08/01/2020 05:30:00 | 23 | 24750.0 | 3220.0 | 43.75 | -3176.25 | 12.83 | 0.00 | -3.428 | 0.000000 |
| Mayni 110kV | 08/01/2020 05:45:00 | 24 | 24750.0 | 3255.0 | 3.12 | -3251.88 | 13.14 | 0.00 | -2.775 | 0.000000 |
| Mayni 110kV | 08/01/2020 06:00:00 | 25 | 24750.0 | 3185.0 | 9.38 | -3175.62 | 12.83 | 0.00 | -2.220 | 0.000000 |
| Mayni 110kV | 08/01/2020 06:15:00 | 26 | 24750.0 | 3357.5 | 78.12 | -3279.38 | 13.25 | 0.00 | 2.220 | 671.436443 |
| Mayni 110kV | 08/01/2020 06:30:00 | 27 | 24750.0 | 3282.5 | 93.75 | -3188.75 | 12.88 | 0.00 | 5.387 | 5739.629953 |
| Mayni 110kV | 08/01/2020 06:45:00 | 28 | 24750.0 | 3295.0 | 173.44 | -3121.56 | 12.61 | 0.00 | -4.734 | 0.000000 |
| Mayni 110kV | 08/01/2020 07:00:00 | 29 | 24750.0 | 3255.0 | 204.69 | -3050.31 | 12.32 | 0.00 | -4.407 | 0.000000 |
| Mayni 110kV | 08/01/2020 07:15:00 | 30 | 24750.0 | 3230.0 | 146.88 | -3083.12 | 12.46 | 0.00 | 5.061 | 5434.256707 |
| Mayni 110kV | 08/01/2020 07:30:00 | 31 | 24750.0 | 3220.0 | 28.12 | -3191.88 | 12.9 | 0.00 | 5.714 | 5383.106374 |
| Mayni 110kV | 08/01/2020 07:45:00 | 32 | 24750.0 | 3262.5 | 9.38 | -3253.12 | 13.14 | 0.00 | 5.061 | 2156.930459 |
| Mayni 110kV | 08/01/2020 08:00:00 | 33 | 24750.0 | 3302.5 | 14.06 | -3288.44 | 13.29 | 0.00 | 2.775 | 0.000000 |
| Mayni 110kV | 08/01/2020 08:15:00 | 34 | 24750.0 | 3282.5 | 14.06 | -3268.44 | 13.21 | 0.00 | 2.775 | 0.000000 |
| Mayni 110kV | 08/01/2020 08:30:00 | 35 | 24750.0 | 3207.5 | 29.69 | -3177.81 | 12.84 | 0.00 | 5.387 | 0.000000 |
| Mayni 110kV | 08/01/2020 08:45:00 | 36 | 24750.0 | 3220.0 | 4.69 | -3215.31 | 12.99 | 0.00 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mayni 110kV | 08/01/2020 09:00:00 | 37 | 24750.0 | 3255.0 | 1.56 | -3253.44 | 13.15 | 0.00 | 7.673 | 0.000000 |
| Mayni 110kV | 08/01/2020 09:15:00 | 38 | 24750.0 | 3185.0 | 71.87 | -3113.13 | 12.58 | 0.00 | 7.673 | 0.000000 |
| Mayni 110kV | 08/01/2020 09:30:00 | 39 | 24750.0 | 3357.5 | 18.75 | -3338.75 | 13.49 | 0.00 | 3.101 | 0.000000 |
| Mayni 110kV | 08/01/2020 09:45:00 | 40 | 24750.0 | 3282.5 | 50.0 | -3232.5 | 13.06 | 0.00 | -3.101 | 0.000000 |
| Mayni 110kV | 08/01/2020 10:00:00 | 41 | 24750.0 | 3295.0 | 126.56 | -3168.44 | 12.8 | 0.00 | -3.101 | 0.000000 |
| Mayni 110kV | 08/01/2020 10:15:00 | 42 | 24750.0 | 3255.0 | 217.19 | -3037.81 | 12.27 | 0.00 | -3.101 | 0.000000 |
| Mayni 110kV | 08/01/2020 10:30:00 | 43 | 24750.0 | 3057.5 | 151.56 | -2905.94 | 11.74 | 0.00 | -1.665 | 0.000000 |
| Mayni 110kV | 08/01/2020 10:45:00 | 44 | 24750.0 | 3065.0 | 235.94 | -2829.06 | 11.43 | 0.00 | 0.000 | 0.000000 |
| Mayni 110kV | 08/01/2020 11:00:00 | 45 | 24750.0 | 3082.5 | 525.0 | -2557.5 | 10.33 | 0.00 | -1.486 | 0.000000 |
| Mayni 110kV | 08/01/2020 11:15:00 | 46 | 24750.0 | 3082.5 | 754.69 | -2327.81 | 9.41 | 0.00 | -1.305 | 0.000000 |
| Mayni 110kV | 08/01/2020 11:30:00 | 47 | 24750.0 | 3090.0 | 745.31 | -2344.69 | 9.47 | 0.00 | -2.425 | 0.000000 |
| Mayni 110kV | 08/01/2020 11:45:00 | 48 | 24750.0 | 3097.5 | 578.13 | -2519.37 | 10.18 | 0.00 | -2.775 | 0.000000 |
| Mayni 110kV | 08/01/2020 12:00:00 | 49 | 24750.0 | 3102.5 | 812.5 | -2290.0 | 9.25 | 0.00 | -2.083 | 0.000000 |
| Mayni 110kV | 08/01/2020 12:15:00 | 50 | 24750.0 | 3112.5 | 628.12 | -2484.38 | 10.04 | 0.00 | -3.242 | 0.000000 |
| Mayni 110kV | 08/01/2020 12:30:00 | 51 | 24750.0 | 3120.0 | 685.94 | -2434.06 | 9.83 | 0.00 | -1.330 | 0.000000 |
| Mayni 110kV | 08/01/2020 12:45:00 | 52 | 24750.0 | 3127.5 | 982.81 | -2144.69 | 8.67 | 0.00 | -0.830 | 0.000000 |
| Mayni 110kV | 08/01/2020 13:00:00 | 53 | 24750.0 | 3137.5 | 1496.88 | -1640.62 | 6.63 | 0.00 | 2.775 | 0.000000 |
| Mayni 110kV | 08/01/2020 13:15:00 | 54 | 24750.0 | 3132.5 | 1870.31 | -1262.19 | 5.1 | 0.00 | 0.000 | 0.000000 |
| Mayni 110kV | 08/01/2020 13:30:00 | 55 | 24750.0 | 3135.0 | 1756.25 | -1378.75 | 5.57 | 0.00 | -1.012 | 0.000000 |
| Mayni 110kV | 08/01/2020 13:45:00 | 56 | 24750.0 | 3170.0 | 1365.63 | -1804.37 | 7.29 | 0.00 | -1.087 | 0.000000 |
| Mayni 110kV | 08/01/2020 14:00:00 | 57 | 24750.0 | 3170.0 | 1845.31 | -1324.69 | 5.35 | 0.00 | -3.101 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mayni 110kV | 08/01/2020 14:15:00 | 58 | 24750.0 | 3172.5 | 2590.63 | -581.87 | 2.35 | 0.00 | -4.081 | 0.000000 |
| Mayni 110kV | 08/01/2020 14:30:00 | 59 | 24750.0 | 3177.5 | 2418.75 | -758.75 | 3.07 | 0.00 | -2.996 | 0.000000 |
| Mayni 110kV | 08/01/2020 14:45:00 | 60 | 24750.0 | 3162.5 | 2878.12 | -284.38 | 1.15 | 0.00 | -3.101 | 0.000000 |
| Mayni 110kV | 08/01/2020 15:00:00 | 61 | 24750.0 | 3212.5 | 2587.5 | -625.0 | 2.53 | 0.00 | -1.879 | 0.000000 |
| Mayni 110kV | 08/01/2020 15:15:00 | 62 | 24750.0 | 3137.5 | 2537.5 | -600.0 | 2.42 | 0.00 | -4.081 | 0.000000 |
| Mayni 110kV | 08/01/2020 15:30:00 | 63 | 24750.0 | 3087.5 | 2228.13 | -859.37 | 3.47 | 0.00 | 4.938 | 0.000000 |
| Mayni 110kV | 08/01/2020 15:45:00 | 64 | 24750.0 | 3170.0 | 2245.31 | -924.69 | 3.74 | 0.00 | 4.719 | 0.000000 |
| Mayni 110kV | 08/01/2020 16:00:00 | 65 | 24750.0 | 3140.0 | 2120.31 | -1019.69 | 4.12 | 0.00 | 0.555 | 0.000000 |
| Mayni 110kV | 08/01/2020 16:15:00 | 66 | 24750.0 | 3090.0 | 1967.19 | -1122.81 | 4.54 | 0.00 | -4.081 | 0.000000 |
| Mayni 110kV | 08/01/2020 16:30:00 | 67 | 24750.0 | 3097.5 | 3398.44 | 300.94 | 1.22 | 0.00 | -3.754 | -52.444649 |
| Mayni 110kV | 08/01/2020 16:45:00 | 68 | 24750.0 | 3102.5 | 3181.25 | 78.75 | 0.32 | 0.00 | -8.000 | 0.000000 |
| Mayni 110kV | 08/01/2020 17:00:00 | 69 | 24750.0 | 3112.5 | 3256.25 | 143.75 | 0.58 | 0.00 | 0.000 | 0.000000 |
| Mayni 110kV | 08/01/2020 17:15:00 | 70 | 24750.0 | 3120.0 | 2425.0 | -695.0 | 2.81 | 0.00 | 4.081 | 133.318644 |
| Mayni 110kV | 08/01/2020 17:30:00 | 71 | 24750.0 | 3127.5 | 3087.5 | -40.0 | 0.16 | 0.00 | -5.387 | 0.000000 |
| Mayni 110kV | 08/01/2020 17:45:00 | 72 | 24750.0 | 3137.5 | 3871.88 | 734.38 | 2.97 | 0.00 | -3.101 | 0.000000 |
| Mayni 110kV | 08/01/2020 18:00:00 | 73 | 24750.0 | 3132.5 | 3870.31 | 737.81 | 2.98 | 0.00 | -2.775 | 0.000000 |
| Mayni 110kV | 08/01/2020 18:15:00 | 74 | 24750.0 | 3135.0 | 4604.69 | 1469.69 | 5.94 | 0.00 | -3.101 | 0.000000 |
| Mayni 110kV | 08/01/2020 18:30:00 | 75 | 24750.0 | 3170.0 | 4896.87 | 1726.87 | 6.98 | 0.00 | -2.220 | 0.000000 |
| Mayni 110kV | 08/01/2020 18:45:00 | 76 | 24750.0 | 3170.0 | 4856.25 | 1686.25 | 6.81 | 0.00 | 2.220 | 0.000000 |
| Mayni 110kV | 08/01/2020 19:00:00 | 77 | 24750.0 | 3172.5 | 4992.19 | 1819.69 | 7.35 | 0.00 | 1.110 | 0.000000 |
| Mayni 110kV | 08/01/2020 19:15:00 | 78 | 24750.0 | 3177.5 | 5756.25 | 2578.75 | 10.42 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mayni 110kV | 08/01/2020 19:30:00 | 79 | 24750.0 | 3162.5 | 7404.69 | 4242.19 | 17.14 | 264.85 | -2.220 | 0.000000 |
| Mayni 110kV | 08/01/2020 19:45:00 | 80 | 24750.0 | 3212.5 | 8365.63 | 5153.13 | 20.82 | 720.32 | -0.555 | 0.000000 |
| Mayni 110kV | 08/01/2020 20:00:00 | 81 | 24750.0 | 3137.5 | 8704.69 | 5567.19 | 22.49 | 927.35 | 2.775 | 0.000000 |
| Mayni 110kV | 08/01/2020 20:15:00 | 82 | 24750.0 | 3112.5 | 8412.5 | 5300.0 | 21.41 | 793.75 | 3.101 | 0.000000 |
| Mayni 110kV | 08/01/2020 20:30:00 | 83 | 24750.0 | 5612.5 | 7492.19 | 1879.69 | 7.59 | 0.00 | 4.408 | 0.000000 |
| Mayni 110kV | 08/01/2020 20:45:00 | 84 | 24750.0 | 5552.5 | 7014.06 | 1461.56 | 5.91 | 0.00 | 3.101 | 0.000000 |
| Mayni 110kV | 08/01/2020 21:00:00 | 85 | 24750.0 | 5352.5 | 6959.37 | 1606.87 | 6.49 | 0.00 | 3.101 | 0.000000 |
| Mayni 110kV | 08/01/2020 21:15:00 | 86 | 24750.0 | 5242.5 | 6670.31 | 1427.81 | 5.77 | 0.00 | -0.555 | 0.000000 |
| Mayni 110kV | 08/01/2020 21:30:00 | 87 | 24750.0 | 5160.0 | 6625.0 | 1465.0 | 5.92 | 0.00 | -1.110 | 0.000000 |
| Mayni 110kV | 08/01/2020 21:45:00 | 88 | 24750.0 | 5130.0 | 6156.25 | 1026.25 | 4.15 | 0.00 | -1.110 | 0.000000 |
| Mayni 110kV | 08/01/2020 22:00:00 | 89 | 24750.0 | 6195.0 | 5871.88 | -323.12 | 1.31 | 0.00 | -2.489 | 0.000000 |
| Mayni 110kV | 08/01/2020 22:15:00 | 90 | 24750.0 | 6162.5 | 5389.06 | -773.44 | 3.13 | 0.00 | -2.775 | 0.000000 |
| Mayni 110kV | 08/01/2020 22:30:00 | 91 | 24750.0 | 6245.0 | 5226.56 | -1018.44 | 4.11 | 0.00 | -2.223 | 0.000000 |
| Mayni 110kV | 08/01/2020 22:45:00 | 92 | 24750.0 | 6307.5 | 5415.63 | -891.87 | 3.6 | 0.00 | 1.110 | 0.000000 |
| Mayni 110kV | 08/01/2020 23:00:00 | 93 | 24750.0 | 6412.5 | 5364.06 | -1048.44 | 4.24 | 0.00 | 1.110 | 111.932506 |
| Mayni 110kV | 08/01/2020 23:15:00 | 94 | 24750.0 | 6445.0 | 4826.56 | -1618.44 | 6.54 | 0.00 | 1.110 | 0.000000 |
| Mayni 110kV | 08/01/2020 23:30:00 | 95 | 24750.0 | 6552.5 | 4582.81 | -1969.69 | 7.96 | 0.00 | 2.775 | 17.905505 |
| Mayni 110kV | 08/01/2020 23:45:00 | 96 | 24750.0 | 6745.0 | 4487.5 | -2257.5 | 9.12 | 0.00 | 0.000 | 0.000000 |
| Mayni 110kV | 09/01/2020 00:00:00 | 1 | 24750.0 | 4442.5 | 4371.88 | -70.62 | 0.29 | 0.00 | -0.576 | 0.000000 |
| Mayni 110kV | 09/01/2020 00:15:00 | 2 | 24750.0 | 4427.5 | 4228.12 | -199.38 | 0.81 | 0.00 | -1.727 | 0.000000 |
| Mayni 110kV | 09/01/2020 00:30:00 | 3 | 24750.0 | 4432.5 | 3709.38 | -723.12 | 2.92 | 0.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mayni 110kV | 09/01/2020 00:45:00 | 4 | 24750.0 | 4440.0 | 3192.19 | -1247.81 | 5.04 | 0.00 | -2.879 | 0.000000 |
| Mayni 110kV | 09/01/2020 01:00:00 | 5 | 24750.0 | 4087.5 | 2917.19 | -1170.31 | 4.73 | 0.00 | -3.519 | 0.000000 |
| Mayni 110kV | 09/01/2020 01:15:00 | 6 | 24750.0 | 4062.5 | 2321.88 | -1740.62 | 7.03 | 0.00 | -3.519 | 0.000000 |
| Mayni 110kV | 09/01/2020 01:30:00 | 7 | 24750.0 | 3880.0 | 1984.38 | -1895.62 | 7.66 | 0.00 | -3.199 | 0.000000 |
| Mayni 110kV | 09/01/2020 01:45:00 | 8 | 24750.0 | 3580.0 | 1973.44 | -1606.56 | 6.49 | 0.00 | 3.519 | 390.374048 |
| Mayni 110kV | 09/01/2020 02:00:00 | 9 | 24750.0 | 3380.0 | 1753.12 | -1626.88 | 6.57 | 0.00 | 3.519 | 1791.045106 |
| Mayni 110kV | 09/01/2020 02:15:00 | 10 | 24750.0 | 3080.0 | 1148.44 | -1931.56 | 7.8 | 0.00 | 2.879 | 932.629257 |
| Mayni 110kV | 09/01/2020 02:30:00 | 11 | 24750.0 | 3245.0 | 471.88 | -2773.12 | 11.2 | 0.00 | 3.199 | 1926.450941 |
| Mayni 110kV | 09/01/2020 02:45:00 | 12 | 24750.0 | 3127.5 | 179.69 | -2947.81 | 11.91 | 0.00 | 1.152 | 0.000000 |
| Mayni 110kV | 09/01/2020 03:00:00 | 13 | 24750.0 | 3137.5 | 76.56 | -3060.94 | 12.37 | 0.00 | -2.879 | 0.000000 |
| Mayni 110kV | 09/01/2020 03:15:00 | 14 | 24750.0 | 3132.5 | 492.19 | -2640.31 | 10.67 | 0.00 | -3.839 | 0.000000 |
| Mayni 110kV | 09/01/2020 03:30:00 | 15 | 24750.0 | 3135.0 | 1232.81 | -1902.19 | 7.69 | 0.00 | 3.199 | 0.000000 |
| Mayni 110kV | 09/01/2020 03:45:00 | 16 | 24750.0 | 3170.0 | 1315.62 | -1854.38 | 7.49 | 0.00 | 0.000 | 0.000000 |
| Mayni 110kV | 09/01/2020 04:00:00 | 17 | 24750.0 | 3170.0 | 1351.56 | -1818.44 | 7.35 | 0.00 | 1.727 | 0.000000 |
| Mayni 110kV | 09/01/2020 04:15:00 | 18 | 24750.0 | 3372.5 | 1420.31 | -1952.19 | 7.89 | 0.00 | 1.727 | 0.000000 |
| Mayni 110kV | 09/01/2020 04:30:00 | 19 | 24750.0 | 3207.5 | 1284.37 | -1923.13 | 7.77 | 0.00 | 1.727 | 0.000000 |
| Mayni 110kV | 09/01/2020 04:45:00 | 20 | 24750.0 | 3297.5 | 889.06 | -2408.44 | 9.73 | 0.00 | 2.879 | 2075.617836 |
| Mayni 110kV | 09/01/2020 05:00:00 | 21 | 24750.0 | 3282.5 | 726.56 | -2555.94 | 10.33 | 0.00 | 3.839 | 1275.870859 |
| Mayni 110kV | 09/01/2020 05:15:00 | 22 | 24750.0 | 3207.5 | 517.19 | -2690.31 | 10.87 | 0.00 | 5.119 | 3797.380076 |
| Mayni 110kV | 09/01/2020 05:30:00 | 23 | 24750.0 | 3220.0 | 1040.63 | -2179.37 | 8.81 | 0.00 | 4.064 | 5606.219793 |
| Mayni 110kV | 09/01/2020 05:45:00 | 24 | 24750.0 | 3255.0 | 2128.12 | -1126.88 | 4.55 | 0.00 | 1.152 | 7.949960 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mayni 110kV | 09/01/2020 06:00:00 | 25 | 24750.0 | 3185.0 | 2817.19 | -367.81 | 1.49 | 0.00 | -2.303 | 0.000000 |
| Mayni 110kV | 09/01/2020 06:15:00 | 26 | 24750.0 | 3357.5 | 2871.88 | -485.62 | 1.96 | 0.00 | 2.303 | 323.009698 |
| Mayni 110kV | 09/01/2020 06:30:00 | 27 | 24750.0 | 3282.5 | 3179.69 | -102.81 | 0.42 | 0.00 | -3.839 | 0.000000 |
| Mayni 110kV | 09/01/2020 06:45:00 | 28 | 24750.0 | 3295.0 | 2698.44 | -596.56 | 2.41 | 0.00 | -2.879 | 0.000000 |
| Mayni 110kV | 09/01/2020 07:00:00 | 29 | 24750.0 | 3255.0 | 2293.75 | -961.25 | 3.88 | 0.00 | -2.879 | 0.000000 |
| Mayni 110kV | 09/01/2020 07:15:00 | 30 | 24750.0 | 3230.0 | 2146.87 | -1083.13 | 4.38 | 0.00 | 6.400 | 538.864450 |
| Mayni 110kV | 09/01/2020 07:30:00 | 31 | 24750.0 | 3220.0 | 2198.44 | -1021.56 | 4.13 | 0.00 | 1.172 | 0.000000 |
| Mayni 110kV | 09/01/2020 07:45:00 | 32 | 24750.0 | 3262.5 | 2498.44 | -764.06 | 3.09 | 0.00 | 0.576 | 0.000000 |
| Mayni 110kV | 09/01/2020 08:00:00 | 33 | 24750.0 | 3302.5 | 2567.19 | -735.31 | 2.97 | 0.00 | -0.576 | 0.000000 |
| Mayni 110kV | 09/01/2020 08:15:00 | 34 | 24750.0 | 3282.5 | 2692.19 | -590.31 | 2.39 | 0.00 | -1.152 | 0.000000 |
| Mayni 110kV | 09/01/2020 08:30:00 | 35 | 24750.0 | 3207.5 | 3039.06 | -168.44 | 0.68 | 0.00 | 0.576 | 0.000000 |
| Mayni 110kV | 09/01/2020 08:45:00 | 36 | 24750.0 | 3220.0 | 2893.75 | -326.25 | 1.32 | 0.00 | 0.000 | 0.000000 |
| Mayni 110kV | 09/01/2020 09:00:00 | 37 | 24750.0 | 3255.0 | 2920.31 | -334.69 | 1.35 | 0.00 | 1.152 | 0.000000 |
| Mayni 110kV | 09/01/2020 09:15:00 | 38 | 24750.0 | 3185.0 | 2879.69 | -305.31 | 1.23 | 0.00 | 1.727 | 0.000000 |
| Mayni 110kV | 09/01/2020 09:30:00 | 39 | 24750.0 | 3357.5 | 3210.94 | -146.56 | 0.59 | 0.00 | -3.839 | 0.000000 |
| Mayni 110kV | 09/01/2020 09:45:00 | 40 | 24750.0 | 3282.5 | 3187.5 | -95.0 | 0.38 | 0.00 | -1.152 | 0.000000 |
| Mayni 110kV | 09/01/2020 10:00:00 | 41 | 24750.0 | 3295.0 | 3128.12 | -166.88 | 0.67 | 0.00 | 0.000 | 0.000000 |
| Mayni 110kV | 09/01/2020 10:15:00 | 42 | 24750.0 | 3255.0 | 2934.38 | -320.62 | 1.3 | 0.00 | 1.727 | 0.000000 |
| Mayni 110kV | 09/01/2020 10:30:00 | 43 | 24750.0 | 3057.5 | 2629.69 | -427.81 | 1.73 | 0.00 | 2.303 | 0.000000 |
| Mayni 110kV | 09/01/2020 10:45:00 | 44 | 24750.0 | 3065.0 | 2046.87 | -1018.13 | 4.11 | 0.00 | -1.144 | 0.000000 |
| Mayni 110kV | 09/01/2020 11:00:00 | 45 | 24750.0 | 3082.5 | 1407.81 | -1674.69 | 6.77 | 0.00 | -4.479 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mayni 110kV | 09/01/2020 11:15:00 | 46 | 24750.0 | 3082.5 | 926.56 | -2155.94 | 8.71 | 0.00 | -3.519 | 0.000000 |
| Mayni 110kV | 09/01/2020 11:30:00 | 47 | 24750.0 | 3090.0 | 443.75 | -2646.25 | 10.69 | 0.00 | -2.303 | 0.000000 |
| Mayni 110kV | 09/01/2020 11:45:00 | 48 | 24750.0 | 3097.5 | 206.25 | -2891.25 | 11.68 | 0.00 | -0.576 | 0.000000 |
| Mayni 110kV | 09/01/2020 12:00:00 | 49 | 24750.0 | 3102.5 | 123.44 | -2979.06 | 12.04 | 0.00 | 0.000 | 0.000000 |
| Mayni 110kV | 09/01/2020 12:15:00 | 50 | 24750.0 | 3112.5 | 45.31 | -3067.19 | 12.39 | 0.00 | 3.839 | 0.000000 |
| Mayni 110kV | 09/01/2020 12:30:00 | 51 | 24750.0 | 3120.0 | 64.06 | -3055.94 | 12.35 | 0.00 | 3.199 | 0.000000 |
| Mayni 110kV | 09/01/2020 12:45:00 | 52 | 24750.0 | 3127.5 | 31.25 | -3096.25 | 12.51 | 0.00 | 3.199 | 0.000000 |
| Mayni 110kV | 09/01/2020 13:00:00 | 53 | 24750.0 | 3137.5 | 23.44 | -3114.06 | 12.58 | 0.00 | -1.152 | 0.000000 |
| Mayni 110kV | 09/01/2020 13:15:00 | 54 | 24750.0 | 3132.5 | 14.06 | -3118.44 | 12.6 | 0.00 | -1.152 | 0.000000 |
| Mayni 110kV | 09/01/2020 13:30:00 | 55 | 24750.0 | 3135.0 | 0.0 | -3135.0 | 12.67 | 0.00 | 1.727 | 0.000000 |
| Mayni 110kV | 09/01/2020 13:45:00 | 56 | 24750.0 | 3170.0 | 1.56 | -3168.44 | 12.8 | 0.00 | 3.199 | 0.000000 |
| Mayni 110kV | 09/01/2020 14:00:00 | 57 | 24750.0 | 3170.0 | 9.38 | -3160.62 | 12.77 | 0.00 | 4.345 | 0.000000 |
| Mayni 110kV | 09/01/2020 14:15:00 | 58 | 24750.0 | 3172.5 | 9.38 | -3163.12 | 12.78 | 0.00 | 3.941 | 0.000000 |
| Mayni 110kV | 09/01/2020 14:30:00 | 59 | 24750.0 | 3177.5 | 18.75 | -3158.75 | 12.76 | 0.00 | 1.152 | 0.000000 |
| Mayni 110kV | 09/01/2020 14:45:00 | 60 | 24750.0 | 3162.5 | 21.87 | -3140.63 | 12.69 | 0.00 | -0.576 | 0.000000 |
| Mayni 110kV | 09/01/2020 15:00:00 | 61 | 24750.0 | 3212.5 | 14.06 | -3198.44 | 12.92 | 0.00 | -1.006 | 0.000000 |
| Mayni 110kV | 09/01/2020 15:15:00 | 62 | 24750.0 | 3137.5 | 9.38 | -3128.12 | 12.64 | 0.00 | 3.199 | 0.000000 |
| Mayni 110kV | 09/01/2020 15:30:00 | 63 | 24750.0 | 3087.5 | 3.12 | -3084.38 | 12.46 | 0.00 | 2.879 | 0.000000 |
| Mayni 110kV | 09/01/2020 15:45:00 | 64 | 24750.0 | 3170.0 | 25.0 | -3145.0 | 12.71 | 0.00 | 3.839 | 0.000000 |
| Mayni 110kV | 09/01/2020 16:00:00 | 65 | 24750.0 | 3140.0 | 21.88 | -3118.12 | 12.6 | 0.00 | 1.727 | 0.000000 |
| Mayni 110kV | 09/01/2020 16:15:00 | 66 | 24750.0 | 3090.0 | 12.5 | -3077.5 | 12.43 | 0.00 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mayni 110kV | 09/01/2020 16:30:00 | 67 | 24750.0 | 3097.5 | 23.44 | -3074.06 | 12.42 | 0.00 | -4.159 | 0.000000 |
| Mayni 110kV | 09/01/2020 16:45:00 | 68 | 24750.0 | 3102.5 | 12.5 | -3090.0 | 12.48 | 0.00 | 3.839 | 0.000000 |
| Mayni 110kV | 09/01/2020 17:00:00 | 69 | 24750.0 | 3112.5 | 0.0 | -3112.5 | 12.58 | 0.00 | 1.727 | 0.000000 |
| Mayni 110kV | 09/01/2020 17:15:00 | 70 | 24750.0 | 3120.0 | 0.0 | -3120.0 | 12.61 | 0.00 | 3.839 | 1072.393227 |
| Mayni 110kV | 09/01/2020 17:30:00 | 71 | 24750.0 | 3127.5 | 26.56 | -3100.94 | 12.53 | 0.00 | -2.879 | 0.000000 |
| Mayni 110kV | 09/01/2020 17:45:00 | 72 | 24750.0 | 3137.5 | 142.19 | -2995.31 | 12.1 | 0.00 | -4.146 | 0.000000 |
| Mayni 110kV | 09/01/2020 18:00:00 | 73 | 24750.0 | 3132.5 | 337.5 | -2795.0 | 11.29 | 0.00 | -3.349 | 0.000000 |
| Mayni 110kV | 09/01/2020 18:15:00 | 74 | 24750.0 | 3135.0 | 370.31 | -2764.69 | 11.17 | 0.00 | -4.563 | 0.000000 |
| Mayni 110kV | 09/01/2020 18:30:00 | 75 | 24750.0 | 3170.0 | 464.06 | -2705.94 | 10.93 | 0.00 | -3.839 | 0.000000 |
| Mayni 110kV | 09/01/2020 18:45:00 | 76 | 24750.0 | 3170.0 | 698.44 | -2471.56 | 9.99 | 0.00 | -2.879 | 0.000000 |
| Mayni 110kV | 09/01/2020 19:00:00 | 77 | 24750.0 | 3172.5 | 921.88 | -2250.62 | 9.09 | 0.00 | -3.199 | 0.000000 |
| Mayni 110kV | 09/01/2020 19:15:00 | 78 | 24750.0 | 3177.5 | 1014.06 | -2163.44 | 8.74 | 0.00 | -1.727 | 0.000000 |
| Mayni 110kV | 09/01/2020 19:30:00 | 79 | 24750.0 | 3162.5 | 1140.62 | -2021.88 | 8.17 | 0.00 | -1.442 | 0.000000 |
| Mayni 110kV | 09/01/2020 19:45:00 | 80 | 24750.0 | 3212.5 | 1506.25 | -1706.25 | 6.89 | 0.00 | -0.286 | 0.000000 |
| Mayni 110kV | 09/01/2020 20:00:00 | 81 | 24750.0 | 3137.5 | 1725.0 | -1412.5 | 5.71 | 0.00 | -1.070 | 0.000000 |
| Mayni 110kV | 09/01/2020 20:15:00 | 82 | 24750.0 | 3112.5 | 2089.06 | -1023.44 | 4.14 | 0.00 | -2.236 | 0.000000 |
| Mayni 110kV | 09/01/2020 20:30:00 | 83 | 24750.0 | 3097.5 | 2546.87 | -550.63 | 2.22 | 0.00 | -4.799 | 0.000000 |
| Mayni 110kV | 09/01/2020 20:45:00 | 84 | 24750.0 | 3102.5 | 2570.31 | -532.19 | 2.15 | 0.00 | -1.727 | 0.000000 |
| Mayni 110kV | 09/01/2020 21:00:00 | 85 | 24750.0 | 3112.5 | 2621.88 | -490.62 | 1.98 | 0.00 | -1.727 | 0.000000 |
| Mayni 110kV | 09/01/2020 21:15:00 | 86 | 24750.0 | 3120.0 | 2932.81 | -187.19 | 0.76 | 0.00 | 1.152 | 0.000000 |
| Mayni 110kV | 09/01/2020 21:30:00 | 87 | 24750.0 | 3127.5 | 3232.81 | 105.31 | 0.43 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mayni 110kV | 09/01/2020 21:45:00 | 88 | 24750.0 | 3137.5 | 3056.25 | -81.25 | 0.33 | 0.00 | -2.303 | 0.000000 |
| Mayni 110kV | 09/01/2020 22:00:00 | 89 | 24750.0 | 3132.5 | 3296.88 | 164.38 | 0.66 | 0.00 | -2.795 | 0.000000 |
| Mayni 110kV | 09/01/2020 22:15:00 | 90 | 24750.0 | 3135.0 | 4112.5 | 977.5 | 3.95 | 0.00 | -3.674 | 0.000000 |
| Mayni 110kV | 09/01/2020 22:30:00 | 91 | 24750.0 | 4087.5 | 3984.38 | -103.12 | 0.42 | 0.00 | -2.303 | 0.000000 |
| Mayni 110kV | 09/01/2020 22:45:00 | 92 | 24750.0 | 4245.0 | 4151.56 | -93.44 | 0.38 | 0.00 | -1.152 | 0.000000 |
| Mayni 110kV | 09/01/2020 23:00:00 | 93 | 24750.0 | 4255.0 | 4123.44 | -131.56 | 0.53 | 0.00 | 0.000 | 0.000000 |
| Mayni 110kV | 09/01/2020 23:15:00 | 94 | 24750.0 | 4420.0 | 4390.63 | -29.37 | 0.12 | 0.00 | -0.576 | 0.000000 |
| Mayni 110kV | 09/01/2020 23:30:00 | 95 | 24750.0 | 4557.5 | 4848.44 | 290.94 | 1.18 | 0.00 | -0.576 | 0.000000 |
| Mayni 110kV | 09/01/2020 23:45:00 | 96 | 24750.0 | 4672.5 | 5425.0 | 752.5 | 3.04 | 0.00 | -0.987 | 0.000000 |
| Mayni 110kV | 10/01/2020 00:00:00 | 1 | 24750.0 | 4662.5 | 6735.94 | 2073.44 | 8.38 | 0.00 | -0.680 | 0.000000 |
| Mayni 110kV | 10/01/2020 00:15:00 | 2 | 24750.0 | 4635.0 | 6684.37 | 2049.37 | 8.28 | 0.00 | -3.326 | 0.000000 |
| Mayni 110kV | 10/01/2020 00:30:00 | 3 | 24750.0 | 4590.0 | 7481.25 | 2891.25 | 11.68 | 0.00 | -2.992 | 0.000000 |
| Mayni 110kV | 10/01/2020 00:45:00 | 4 | 24750.0 | 4552.5 | 8162.5 | 3610.0 | 14.59 | 0.00 | -0.532 | 0.000000 |
| Mayni 110kV | 10/01/2020 01:00:00 | 5 | 24750.0 | 4340.0 | 8846.88 | 4506.88 | 18.21 | 397.19 | -0.713 | 0.000000 |
| Mayni 110kV | 10/01/2020 01:15:00 | 6 | 24750.0 | 4312.5 | 9515.63 | 5203.13 | 21.02 | 745.32 | -0.548 | 0.000000 |
| Mayni 110kV | 10/01/2020 01:30:00 | 7 | 24750.0 | 4302.5 | 9581.25 | 5278.75 | 21.33 | 783.13 | -2.658 | 0.000000 |
| Mayni 110kV | 10/01/2020 01:45:00 | 8 | 24750.0 | 6330.0 | 9906.25 | 3576.25 | 14.45 | 0.00 | 2.127 | 0.000000 |
| Mayni 110kV | 10/01/2020 02:00:00 | 9 | 24750.0 | 6302.5 | 10090.62 | 3788.12 | 15.31 | 37.81 | 5.342 | 0.000000 |
| Mayni 110kV | 10/01/2020 02:15:00 | 10 | 24750.0 | 6162.5 | 10457.81 | 4295.31 | 17.35 | 291.41 | 1.595 | 0.000000 |
| Mayni 110kV | 10/01/2020 02:30:00 | 11 | 24750.0 | 6087.5 | 10464.06 | 4376.56 | 17.68 | 332.03 | 3.326 | 0.000000 |
| Mayni 110kV | 10/01/2020 02:45:00 | 12 | 24750.0 | 8412.5 | 10354.69 | 1942.19 | 7.85 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mayni 110kV | 10/01/2020 03:00:00 | 13 | 24750.0 | 8325.0 | 10268.75 | 1943.75 | 7.85 | 0.00 | 2.658 | 0.000000 |
| Mayni 110kV | 10/01/2020 03:15:00 | 14 | 24750.0 | 8162.5 | 10154.69 | 1992.19 | 8.05 | 0.00 | 2.127 | 0.000000 |
| Mayni 110kV | 10/01/2020 03:30:00 | 15 | 24750.0 | 8087.5 | 10523.44 | 2435.94 | 9.84 | 0.00 | 2.127 | 0.000000 |
| Mayni 110kV | 10/01/2020 03:45:00 | 16 | 24750.0 | 8052.5 | 10596.88 | 2544.38 | 10.28 | 0.00 | -1.063 | 0.000000 |
| Mayni 110kV | 10/01/2020 04:00:00 | 17 | 24750.0 | 8912.5 | 10323.44 | 1410.94 | 5.7 | 0.00 | 1.595 | 0.000000 |
| Mayni 110kV | 10/01/2020 04:15:00 | 18 | 24750.0 | 8905.0 | 10195.31 | 1290.31 | 5.21 | 0.00 | 3.326 | 0.000000 |
| Mayni 110kV | 10/01/2020 04:30:00 | 19 | 24750.0 | 8815.0 | 10432.81 | 1617.81 | 6.54 | 0.00 | 3.326 | 0.000000 |
| Mayni 110kV | 10/01/2020 04:45:00 | 20 | 24750.0 | 8662.5 | 10307.81 | 1645.31 | 6.65 | 0.00 | 2.127 | 0.000000 |
| Mayni 110kV | 10/01/2020 05:00:00 | 21 | 24750.0 | 8580.0 | 10145.31 | 1565.31 | 6.32 | 0.00 | 2.992 | 0.000000 |
| Mayni 110kV | 10/01/2020 05:15:00 | 22 | 24750.0 | 8405.0 | 10146.88 | 1741.88 | 7.04 | 0.00 | 1.063 | 0.000000 |
| Mayni 110kV | 10/01/2020 05:30:00 | 23 | 24750.0 | 8340.0 | 10250.0 | 1910.0 | 7.72 | 0.00 | -2.658 | 0.000000 |
| Mayni 110kV | 10/01/2020 05:45:00 | 24 | 24750.0 | 8062.5 | 10662.5 | 2600.0 | 10.51 | 0.00 | 2.127 | 0.000000 |
| Mayni 110kV | 10/01/2020 06:00:00 | 25 | 24750.0 | 8052.5 | 10581.25 | 2528.75 | 10.22 | 0.00 | -2.127 | 0.000000 |
| Mayni 110kV | 10/01/2020 06:15:00 | 26 | 24750.0 | 7905.0 | 10667.19 | 2762.19 | 11.16 | 0.00 | 2.658 | 0.000000 |
| Mayni 110kV | 10/01/2020 06:30:00 | 27 | 24750.0 | 7840.0 | 10515.63 | 2675.63 | 10.81 | 0.00 | -2.992 | 0.000000 |
| Mayni 110kV | 10/01/2020 06:45:00 | 28 | 24750.0 | 7812.5 | 9910.94 | 2098.44 | 8.48 | 0.00 | -3.077 | 0.000000 |
| Mayni 110kV | 10/01/2020 07:00:00 | 29 | 24750.0 | 7655.0 | 9665.63 | 2010.63 | 8.12 | 0.00 | -0.687 | 0.000000 |
| Mayni 110kV | 10/01/2020 07:15:00 | 30 | 24750.0 | 9840.0 | 9785.94 | -54.06 | 0.22 | 0.00 | -2.658 | 0.000000 |
| Mayni 110kV | 10/01/2020 07:30:00 | 31 | 24750.0 | 9662.5 | 9881.25 | 218.75 | 0.88 | 0.00 | -1.063 | 0.000000 |
| Mayni 110kV | 10/01/2020 07:45:00 | 32 | 24750.0 | 9630.0 | 10107.81 | 477.81 | 1.93 | 0.00 | -2.658 | 0.000000 |
| Mayni 110kV | 10/01/2020 08:00:00 | 33 | 24750.0 | 9412.5 | 9989.06 | 576.56 | 2.33 | 0.00 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mayni 110kV | 10/01/2020 08:15:00 | 34 | 24750.0 | 9330.0 | 9625.0 | 295.0 | 1.19 | 0.00 | -4.661 | -38.770520 |
| Mayni 110kV | 10/01/2020 08:30:00 | 35 | 24750.0 | 9162.5 | 9645.31 | 482.81 | 1.95 | 0.00 | 5.663 | 0.000000 |
| Mayni 110kV | 10/01/2020 08:45:00 | 36 | 24750.0 | 9090.0 | 9342.19 | 252.19 | 1.02 | 0.00 | 4.328 | 0.000000 |
| Mayni 110kV | 10/01/2020 09:00:00 | 37 | 24750.0 | 9062.5 | 8296.88 | -765.62 | 3.09 | 0.00 | -4.995 | 0.000000 |
| Mayni 110kV | 10/01/2020 09:15:00 | 38 | 24750.0 | 8815.0 | 7579.69 | -1235.31 | 4.99 | 0.00 | -4.327 | 0.000000 |
| Mayni 110kV | 10/01/2020 09:30:00 | 39 | 24750.0 | 8662.5 | 7737.5 | -925.0 | 3.74 | 0.00 | -2.127 | 0.000000 |
| Mayni 110kV | 10/01/2020 09:45:00 | 40 | 24750.0 | 8580.0 | 8259.38 | -320.62 | 1.3 | 0.00 | -1.152 | 0.000000 |
| Mayni 110kV | 10/01/2020 10:00:00 | 41 | 24750.0 | 8405.0 | 8576.56 | 171.56 | 0.69 | 0.00 | 0.000 | 0.000000 |
| Mayni 110kV | 10/01/2020 10:15:00 | 42 | 24750.0 | 8340.0 | 7989.06 | -350.94 | 1.42 | 0.00 | -0.532 | 0.000000 |
| Mayni 110kV | 10/01/2020 10:30:00 | 43 | 24750.0 | 6502.5 | 7551.56 | 1049.06 | 4.24 | 0.00 | -1.063 | -62.666443 |
| Mayni 110kV | 10/01/2020 10:45:00 | 44 | 24750.0 | 6167.5 | 8082.81 | 1915.31 | 7.74 | 0.00 | 0.000 | 0.000000 |
| Mayni 110kV | 10/01/2020 11:00:00 | 45 | 24750.0 | 5827.5 | 8337.5 | 2510.0 | 10.14 | 0.00 | 2.658 | 0.000000 |
| Mayni 110kV | 10/01/2020 11:15:00 | 46 | 24750.0 | 5942.5 | 8093.75 | 2151.25 | 8.69 | 0.00 | 0.000 | 0.000000 |
| Mayni 110kV | 10/01/2020 11:30:00 | 47 | 24750.0 | 5412.5 | 7917.19 | 2504.69 | 10.12 | 0.00 | -1.595 | -68.208696 |
| Mayni 110kV | 10/01/2020 11:45:00 | 48 | 24750.0 | 4945.0 | 7614.06 | 2669.06 | 10.78 | 0.00 | 2.992 | 0.000000 |
| Mayni 110kV | 10/01/2020 12:00:00 | 49 | 24750.0 | 5577.5 | 6742.19 | 1164.69 | 4.71 | 0.00 | 0.000 | 0.000000 |
| Mayni 110kV | 10/01/2020 12:15:00 | 50 | 24750.0 | 5527.5 | 6617.19 | 1089.69 | 4.4 | 0.00 | 2.127 | 0.000000 |
| Mayni 110kV | 10/01/2020 12:30:00 | 51 | 24750.0 | 5535.0 | 5678.12 | 143.12 | 0.58 | 0.00 | 1.595 | 0.000000 |
| Mayni 110kV | 10/01/2020 12:45:00 | 52 | 24750.0 | 5335.0 | 3617.19 | -1717.81 | 6.94 | 0.00 | -1.063 | 0.000000 |
| Mayni 110kV | 10/01/2020 13:00:00 | 53 | 24750.0 | 5410.0 | 2025.0 | -3385.0 | 13.68 | 0.00 | 2.658 | 0.000000 |
| Mayni 110kV | 10/01/2020 13:15:00 | 54 | 24750.0 | 5305.0 | 1054.69 | -4250.31 | 17.17 | 268.91 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mayni 110kV | 10/01/2020 13:30:00 | 55 | 24750.0 | 4310.0 | 898.44 | -3411.56 | 13.78 | 0.00 | 2.127 | 0.000000 |
| Mayni 110kV | 10/01/2020 13:45:00 | 56 | 24750.0 | 4052.5 | 828.12 | -3224.38 | 13.03 | 0.00 | -3.326 | 0.000000 |
| Mayni 110kV | 10/01/2020 14:00:00 | 57 | 24750.0 | 3805.0 | 784.37 | -3020.63 | 12.2 | 0.00 | -2.992 | 0.000000 |
| Mayni 110kV | 10/01/2020 14:15:00 | 58 | 24750.0 | 3530.0 | 564.06 | -2965.94 | 11.98 | 0.00 | 3.660 | 0.000000 |
| Mayni 110kV | 10/01/2020 14:30:00 | 59 | 24750.0 | 3527.5 | 432.81 | -3094.69 | 12.5 | 0.00 | -2.127 | 0.000000 |
| Mayni 110kV | 10/01/2020 14:45:00 | 60 | 24750.0 | 3302.5 | 493.75 | -2808.75 | 11.35 | 0.00 | -2.127 | 0.000000 |
| Mayni 110kV | 10/01/2020 15:00:00 | 61 | 24750.0 | 3305.0 | 573.44 | -2731.56 | 11.04 | 0.00 | 0.000 | 0.000000 |
| Mayni 110kV | 10/01/2020 15:15:00 | 62 | 24750.0 | 3390.0 | 710.94 | -2679.06 | 10.82 | 0.00 | -2.992 | 0.000000 |
| Mayni 110kV | 10/01/2020 15:30:00 | 63 | 24750.0 | 3340.0 | 790.62 | -2549.38 | 10.3 | 0.00 | -4.995 | 0.000000 |
| Mayni 110kV | 10/01/2020 15:45:00 | 64 | 24750.0 | 3347.5 | 801.56 | -2545.94 | 10.29 | 0.00 | -4.327 | 0.000000 |
| Mayni 110kV | 10/01/2020 16:00:00 | 65 | 24750.0 | 3352.5 | 839.06 | -2513.44 | 10.16 | 0.00 | -4.995 | 0.000000 |
| Mayni 110kV | 10/01/2020 16:15:00 | 66 | 24750.0 | 3362.5 | 910.94 | -2451.56 | 9.91 | 0.00 | -8.000 | 0.000000 |
| Mayni 110kV | 10/01/2020 16:30:00 | 67 | 24750.0 | 3370.0 | 854.69 | -2515.31 | 10.16 | 0.00 | -8.000 | 0.000000 |
| Mayni 110kV | 10/01/2020 16:45:00 | 68 | 24750.0 | 3377.5 | 756.25 | -2621.25 | 10.59 | 0.00 | 4.327 | 0.000000 |
| Mayni 110kV | 10/01/2020 17:00:00 | 69 | 24750.0 | 3387.5 | 664.06 | -2723.44 | 11.0 | 0.00 | 0.532 | 0.000000 |
| Mayni 110kV | 10/01/2020 17:15:00 | 70 | 24750.0 | 3382.5 | 642.19 | -2740.31 | 11.07 | 0.00 | -1.595 | 0.000000 |
| Mayni 110kV | 10/01/2020 17:30:00 | 71 | 24750.0 | 3385.0 | 620.31 | -2764.69 | 11.17 | 0.00 | -2.658 | 0.000000 |
| Mayni 110kV | 10/01/2020 17:45:00 | 72 | 24750.0 | 3420.0 | 467.19 | -2952.81 | 11.93 | 0.00 | -2.127 | 0.000000 |
| Mayni 110kV | 10/01/2020 18:00:00 | 73 | 24750.0 | 3420.0 | 418.75 | -3001.25 | 12.13 | 0.00 | -1.461 | 0.000000 |
| Mayni 110kV | 10/01/2020 18:15:00 | 74 | 24750.0 | 3422.5 | 526.56 | -2895.94 | 11.7 | 0.00 | 3.326 | 1017.680230 |
| Mayni 110kV | 10/01/2020 18:30:00 | 75 | 24750.0 | 3427.5 | 629.69 | -2797.81 | 11.3 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mayni 110kV | 10/01/2020 18:45:00 | 76 | 24750.0 | 3412.5 | 692.19 | -2720.31 | 10.99 | 0.00 | 3.994 | 454.086082 |
| Mayni 110kV | 10/01/2020 19:00:00 | 77 | 24750.0 | 3462.5 | 776.56 | -2685.94 | 10.85 | 0.00 | -2.127 | 0.000000 |
| Mayni 110kV | 10/01/2020 19:15:00 | 78 | 24750.0 | 3387.5 | 809.37 | -2578.13 | 10.42 | 0.00 | -2.658 | 0.000000 |
| Mayni 110kV | 10/01/2020 19:30:00 | 79 | 24750.0 | 3362.5 | 765.63 | -2596.87 | 10.49 | 0.00 | -3.660 | 0.000000 |
| Mayni 110kV | 10/01/2020 19:45:00 | 80 | 24750.0 | 3347.5 | 890.63 | -2456.87 | 9.93 | 0.00 | -3.326 | 0.000000 |
| Mayni 110kV | 10/01/2020 20:00:00 | 81 | 24750.0 | 3352.5 | 1145.31 | -2207.19 | 8.92 | 0.00 | 3.660 | 538.044164 |
| Mayni 110kV | 10/01/2020 20:15:00 | 82 | 24750.0 | 3362.5 | 1298.44 | -2064.06 | 8.34 | 0.00 | 3.660 | 2160.764338 |
| Mayni 110kV | 10/01/2020 20:30:00 | 83 | 24750.0 | 3370.0 | 1312.5 | -2057.5 | 8.31 | 0.00 | 4.995 | 3057.776255 |
| Mayni 110kV | 10/01/2020 20:45:00 | 84 | 24750.0 | 3377.5 | 1356.25 | -2021.25 | 8.17 | 0.00 | 2.992 | 2124.191348 |
| Mayni 110kV | 10/01/2020 21:00:00 | 85 | 24750.0 | 3387.5 | 1184.38 | -2203.12 | 8.9 | 0.00 | -3.660 | 0.000000 |
| Mayni 110kV | 10/01/2020 21:15:00 | 86 | 24750.0 | 3382.5 | 1264.06 | -2118.44 | 8.56 | 0.00 | -1.595 | 0.000000 |
| Mayni 110kV | 10/01/2020 21:30:00 | 87 | 24750.0 | 3385.0 | 1370.31 | -2014.69 | 8.14 | 0.00 | -1.063 | 0.000000 |
| Mayni 110kV | 10/01/2020 21:45:00 | 88 | 24750.0 | 3420.0 | 1389.06 | -2030.94 | 8.21 | 0.00 | -0.532 | 0.000000 |
| Mayni 110kV | 10/01/2020 22:00:00 | 89 | 24750.0 | 3420.0 | 1610.94 | -1809.06 | 7.31 | 0.00 | -1.595 | 0.000000 |
| Mayni 110kV | 10/01/2020 22:15:00 | 90 | 24750.0 | 3422.5 | 1971.88 | -1450.62 | 5.86 | 0.00 | -2.127 | 0.000000 |
| Mayni 110kV | 10/01/2020 22:30:00 | 91 | 24750.0 | 3427.5 | 2098.44 | -1329.06 | 5.37 | 0.00 | 1.063 | 0.000000 |
| Mayni 110kV | 10/01/2020 22:45:00 | 92 | 24750.0 | 3412.5 | 2217.19 | -1195.31 | 4.83 | 0.00 | -2.658 | 0.000000 |
| Mayni 110kV | 10/01/2020 23:00:00 | 93 | 24750.0 | 3462.5 | 3151.56 | -310.94 | 1.26 | 0.00 | -2.658 | 0.000000 |
| Mayni 110kV | 10/01/2020 23:15:00 | 94 | 24750.0 | 2902.5 | 3810.94 | 908.44 | 3.67 | 0.00 | 0.000 | 0.000000 |
| Mayni 110kV | 10/01/2020 23:30:00 | 95 | 24750.0 | 3172.5 | 5351.56 | 2179.06 | 8.8 | 0.00 | 0.000 | 0.000000 |
| Mayni 110kV | 10/01/2020 23:45:00 | 96 | 24750.0 | 3220.0 | 9153.12 | 5933.12 | 23.97 | 1110.31 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mayni 110kV | 11/01/2020 00:00:00 | 1 | 24750.0 | 3562.5 | 10268.75 | 6706.25 | 27.1 | 1756.25 | 0.000 | 0.000000 |
| Mayni 110kV | 11/01/2020 00:15:00 | 2 | 24750.0 | 3580.0 | 10139.06 | 6559.06 | 26.5 | 1609.06 | -2.629 | 0.000000 |
| Mayni 110kV | 11/01/2020 00:30:00 | 3 | 24750.0 | 3565.0 | 10035.94 | 6470.94 | 26.15 | 1520.94 | -1.577 | 0.000000 |
| Mayni 110kV | 11/01/2020 00:45:00 | 4 | 24750.0 | 3385.0 | 10035.94 | 6650.94 | 26.87 | 1700.94 | 2.103 | 0.000000 |
| Mayni 110kV | 11/01/2020 01:00:00 | 5 | 24750.0 | 3420.0 | 10168.75 | 6748.75 | 27.27 | 1798.75 | 2.964 | 0.000000 |
| Mayni 110kV | 11/01/2020 01:15:00 | 6 | 24750.0 | 3420.0 | 9453.13 | 6033.13 | 24.38 | 1160.32 | 1.052 | 0.000000 |
| Mayni 110kV | 11/01/2020 01:30:00 | 7 | 24750.0 | 3622.5 | 9100.0 | 5477.5 | 22.13 | 882.50 | 1.577 | 0.000000 |
| Mayni 110kV | 11/01/2020 01:45:00 | 8 | 24750.0 | 3457.5 | 9682.81 | 6225.31 | 25.15 | 1275.31 | -0.526 | 0.000000 |
| Mayni 110kV | 11/01/2020 02:00:00 | 9 | 24750.0 | 3547.5 | 10006.25 | 6458.75 | 26.1 | 1508.75 | -0.403 | 0.000000 |
| Mayni 110kV | 11/01/2020 02:15:00 | 10 | 24750.0 | 3532.5 | 10225.0 | 6692.5 | 27.04 | 1742.50 | -0.630 | 0.000000 |
| Mayni 110kV | 11/01/2020 02:30:00 | 11 | 24750.0 | 3457.5 | 10307.81 | 6850.31 | 27.68 | 1900.31 | -0.526 | 0.000000 |
| Mayni 110kV | 11/01/2020 02:45:00 | 12 | 24750.0 | 3470.0 | 10898.44 | 7428.44 | 30.01 | 2478.44 | -0.526 | -353.747768 |
| Mayni 110kV | 11/01/2020 03:00:00 | 13 | 24750.0 | 3505.0 | 11125.0 | 7620.0 | 30.79 | 2670.00 | -1.051 | 0.000000 |
| Mayni 110kV | 11/01/2020 03:15:00 | 14 | 24750.0 | 3435.0 | 11418.75 | 7983.75 | 32.26 | 3033.75 | 0.000 | 0.000000 |
| Mayni 110kV | 11/01/2020 03:30:00 | 15 | 24750.0 | 3607.5 | 11510.94 | 7903.44 | 31.93 | 2953.44 | 0.000 | 0.000000 |
| Mayni 110kV | 11/01/2020 03:45:00 | 16 | 24750.0 | 3532.5 | 11759.38 | 8226.88 | 33.24 | 3276.88 | 0.000 | 0.000000 |
| Mayni 110kV | 11/01/2020 04:00:00 | 17 | 24750.0 | 9662.5 | 11501.56 | 1839.06 | 7.43 | 0.00 | 0.000 | 0.000000 |
| Mayni 110kV | 11/01/2020 04:15:00 | 18 | 24750.0 | 9412.5 | 11214.06 | 1801.56 | 7.28 | 0.00 | -1.051 | 0.000000 |
| Mayni 110kV | 11/01/2020 04:30:00 | 19 | 24750.0 | 9380.0 | 10864.06 | 1484.06 | 6.0 | 0.00 | -2.964 | 0.000000 |
| Mayni 110kV | 11/01/2020 04:45:00 | 20 | 24750.0 | 9312.5 | 10954.69 | 1642.19 | 6.64 | 0.00 | -3.300 | 0.000000 |
| Mayni 110kV | 11/01/2020 05:00:00 | 21 | 24750.0 | 9162.5 | 10881.25 | 1718.75 | 6.94 | 0.00 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mayni 110kV | 11/01/2020 05:15:00 | 22 | 24750.0 | 9130.0 | 10645.31 | 1515.31 | 6.12 | 0.00 | 5.314 | 0.000000 |
| Mayni 110kV | 11/01/2020 05:30:00 | 23 | 24750.0 | 8885.0 | 10665.62 | 1780.62 | 7.19 | 0.00 | 2.964 | 0.000000 |
| Mayni 110kV | 11/01/2020 05:45:00 | 24 | 24750.0 | 8815.0 | 10451.56 | 1636.56 | 6.61 | 0.00 | 2.103 | 0.000000 |
| Mayni 110kV | 11/01/2020 06:00:00 | 25 | 24750.0 | 8630.0 | 9889.06 | 1259.06 | 5.09 | 0.00 | 3.636 | 0.000000 |
| Mayni 110kV | 11/01/2020 06:15:00 | 26 | 24750.0 | 8315.0 | 9767.19 | 1452.19 | 5.87 | 0.00 | 2.964 | 0.000000 |
| Mayni 110kV | 11/01/2020 06:30:00 | 27 | 24750.0 | 8330.0 | 9601.56 | 1271.56 | 5.14 | 0.00 | 4.105 | 0.000000 |
| Mayni 110kV | 11/01/2020 06:45:00 | 28 | 24750.0 | 8062.5 | 9287.5 | 1225.0 | 4.95 | 0.00 | 5.650 | 0.000000 |
| Mayni 110kV | 11/01/2020 07:00:00 | 29 | 24750.0 | 9130.0 | 9021.87 | -108.13 | 0.44 | 0.00 | 3.300 | 0.000000 |
| Mayni 110kV | 11/01/2020 07:15:00 | 30 | 24750.0 | 8885.0 | 7795.31 | -1089.69 | 4.4 | 0.00 | 5.314 | 0.000000 |
| Mayni 110kV | 11/01/2020 07:30:00 | 31 | 24750.0 | 8815.0 | 7062.5 | -1752.5 | 7.08 | 0.00 | 2.964 | 0.000000 |
| Mayni 110kV | 11/01/2020 07:45:00 | 32 | 24750.0 | 8630.0 | 6262.5 | -2367.5 | 9.57 | 0.00 | 2.103 | 0.000000 |
| Mayni 110kV | 11/01/2020 08:00:00 | 33 | 24750.0 | 8315.0 | 5701.56 | -2613.44 | 10.56 | 0.00 | -1.577 | 0.000000 |
| Mayni 110kV | 11/01/2020 08:15:00 | 34 | 24750.0 | 8330.0 | 4690.62 | -3639.38 | 14.7 | 0.00 | 3.300 | 0.000000 |
| Mayni 110kV | 11/01/2020 08:30:00 | 35 | 24750.0 | 8155.0 | 4051.56 | -4103.44 | 16.58 | 195.47 | 2.116 | 0.000000 |
| Mayni 110kV | 11/01/2020 08:45:00 | 36 | 24750.0 | 8087.5 | 3339.06 | -4748.44 | 19.19 | 517.97 | 2.964 | 0.000000 |
| Mayni 110kV | 11/01/2020 09:00:00 | 37 | 24750.0 | 8060.0 | 3003.12 | -5056.88 | 20.43 | 672.19 | 6.681 | 0.000000 |
| Mayni 110kV | 11/01/2020 09:15:00 | 38 | 24750.0 | 8062.5 | 2584.37 | -5478.13 | 22.13 | 882.82 | 6.657 | 0.000000 |
| Mayni 110kV | 11/01/2020 09:30:00 | 39 | 24750.0 | 7912.5 | 2078.12 | -5834.38 | 23.57 | 1060.94 | -6.322 | 0.000000 |
| Mayni 110kV | 11/01/2020 09:45:00 | 40 | 24750.0 | 7880.0 | 1914.06 | -5965.94 | 24.1 | 1126.72 | -2.103 | 0.000000 |
| Mayni 110kV | 11/01/2020 10:00:00 | 41 | 24750.0 | 3337.5 | 1700.0 | -1637.5 | 6.62 | 0.00 | 0.526 | 0.000000 |
| Mayni 110kV | 11/01/2020 10:15:00 | 42 | 24750.0 | 3420.0 | 1301.56 | -2118.44 | 8.56 | 0.00 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mayni 110kV | 11/01/2020 10:30:00 | 43 | 24750.0 | 3390.0 | 910.94 | -2479.06 | 10.02 | 0.00 | 0.000 | 0.000000 |
| Mayni 110kV | 11/01/2020 10:45:00 | 44 | 24750.0 | 3422.5 | 601.56 | -2820.94 | 11.4 | 0.00 | 0.000 | 0.000000 |
| Mayni 110kV | 11/01/2020 11:00:00 | 45 | 24750.0 | 3427.5 | 475.0 | -2952.5 | 11.93 | 0.00 | 0.000 | 0.000000 |
| Mayni 110kV | 11/01/2020 11:15:00 | 46 | 24750.0 | 3412.5 | 403.12 | -3009.38 | 12.16 | 0.00 | -2.964 | 0.000000 |
| Mayni 110kV | 11/01/2020 11:30:00 | 47 | 24750.0 | 3462.5 | 306.25 | -3156.25 | 12.75 | 0.00 | -4.307 | 0.000000 |
| Mayni 110kV | 11/01/2020 11:45:00 | 48 | 24750.0 | 3427.5 | 382.81 | -3044.69 | 12.3 | 0.00 | -3.300 | 0.000000 |
| Mayni 110kV | 11/01/2020 12:00:00 | 49 | 24750.0 | 3412.5 | 460.94 | -2951.56 | 11.93 | 0.00 | -0.526 | 0.000000 |
| Mayni 110kV | 11/01/2020 12:15:00 | 50 | 24750.0 | 3462.5 | 509.38 | -2953.12 | 11.93 | 0.00 | -2.103 | 0.000000 |
| Mayni 110kV | 11/01/2020 12:30:00 | 51 | 24750.0 | 3387.5 | 370.31 | -3017.19 | 12.19 | 0.00 | -2.629 | 0.000000 |
| Mayni 110kV | 11/01/2020 12:45:00 | 52 | 24750.0 | 3337.5 | 215.63 | -3121.87 | 12.61 | 0.00 | -2.629 | 0.000000 |
| Mayni 110kV | 11/01/2020 13:00:00 | 53 | 24750.0 | 3420.0 | 134.38 | -3285.62 | 13.28 | 0.00 | 0.000 | 0.000000 |
| Mayni 110kV | 11/01/2020 13:15:00 | 54 | 24750.0 | 3390.0 | 118.75 | -3271.25 | 13.22 | 0.00 | -2.103 | 0.000000 |
| Mayni 110kV | 11/01/2020 13:30:00 | 55 | 24750.0 | 3340.0 | 93.75 | -3246.25 | 13.12 | 0.00 | 2.629 | 0.000000 |
| Mayni 110kV | 11/01/2020 13:45:00 | 56 | 24750.0 | 3347.5 | 71.88 | -3275.62 | 13.23 | 0.00 | 2.103 | 0.000000 |
| Mayni 110kV | 11/01/2020 14:00:00 | 57 | 24750.0 | 3352.5 | 132.81 | -3219.69 | 13.01 | 0.00 | 1.051 | 0.000000 |
| Mayni 110kV | 11/01/2020 14:15:00 | 58 | 24750.0 | 3362.5 | 260.94 | -3101.56 | 12.53 | 0.00 | 3.300 | 0.000000 |
| Mayni 110kV | 11/01/2020 14:30:00 | 59 | 24750.0 | 3370.0 | 412.5 | -2957.5 | 11.95 | 0.00 | -3.636 | 0.000000 |
| Mayni 110kV | 11/01/2020 14:45:00 | 60 | 24750.0 | 3377.5 | 507.81 | -2869.69 | 11.59 | 0.00 | 4.979 | 0.000000 |
| Mayni 110kV | 11/01/2020 15:00:00 | 61 | 24750.0 | 3387.5 | 443.75 | -2943.75 | 11.89 | 0.00 | -2.964 | 0.000000 |
| Mayni 110kV | 11/01/2020 15:15:00 | 62 | 24750.0 | 3382.5 | 440.62 | -2941.88 | 11.89 | 0.00 | -5.314 | 0.000000 |
| Mayni 110kV | 11/01/2020 15:30:00 | 63 | 24750.0 | 3385.0 | 303.12 | -3081.88 | 12.45 | 0.00 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mayni 110kV | 11/01/2020 15:45:00 | 64 | 24750.0 | 3420.0 | 500.0 | -2920.0 | 11.8 | 0.00 | 4.643 | 0.000000 |
| Mayni 110kV | 11/01/2020 16:00:00 | 65 | 24750.0 | 3420.0 | 442.19 | -2977.81 | 12.03 | 0.00 | 2.103 | 0.000000 |
| Mayni 110kV | 11/01/2020 16:15:00 | 66 | 24750.0 | 3422.5 | 406.25 | -3016.25 | 12.19 | 0.00 | -2.964 | 0.000000 |
| Mayni 110kV | 11/01/2020 16:30:00 | 67 | 24750.0 | 3427.5 | 551.56 | -2875.94 | 11.62 | 0.00 | -2.103 | 0.000000 |
| Mayni 110kV | 11/01/2020 16:45:00 | 68 | 24750.0 | 3412.5 | 506.25 | -2906.25 | 11.74 | 0.00 | 3.972 | 0.000000 |
| Mayni 110kV | 11/01/2020 17:00:00 | 69 | 24750.0 | 3462.5 | 476.56 | -2985.94 | 12.06 | 0.00 | -1.577 | 0.000000 |
| Mayni 110kV | 11/01/2020 17:15:00 | 70 | 24750.0 | 3387.5 | 628.12 | -2759.38 | 11.15 | 0.00 | -1.577 | 0.000000 |
| Mayni 110kV | 11/01/2020 17:30:00 | 71 | 24750.0 | 3362.5 | 892.19 | -2470.31 | 9.98 | 0.00 | 1.051 | 31.519536 |
| Mayni 110kV | 11/01/2020 17:45:00 | 72 | 24750.0 | 3347.5 | 1098.44 | -2249.06 | 9.09 | 0.00 | -2.103 | 0.000000 |
| Mayni 110kV | 11/01/2020 18:00:00 | 73 | 24750.0 | 3352.5 | 1265.62 | -2086.88 | 8.43 | 0.00 | -2.964 | 0.000000 |
| Mayni 110kV | 11/01/2020 18:15:00 | 74 | 24750.0 | 3362.5 | 1104.69 | -2257.81 | 9.12 | 0.00 | -2.629 | 0.000000 |
| Mayni 110kV | 11/01/2020 18:30:00 | 75 | 24750.0 | 3370.0 | 1256.25 | -2113.75 | 8.54 | 0.00 | 2.103 | 74.303585 |
| Mayni 110kV | 11/01/2020 18:45:00 | 76 | 24750.0 | 3377.5 | 1414.06 | -1963.44 | 7.93 | 0.00 | 0.526 | 202.090660 |
| Mayni 110kV | 11/01/2020 19:00:00 | 77 | 24750.0 | 3387.5 | 1321.88 | -2065.62 | 8.35 | 0.00 | 2.103 | 844.418327 |
| Mayni 110kV | 11/01/2020 19:15:00 | 78 | 24750.0 | 3382.5 | 1151.56 | -2230.94 | 9.01 | 0.00 | -1.052 | 0.000000 |
| Mayni 110kV | 11/01/2020 19:30:00 | 79 | 24750.0 | 3385.0 | 1210.94 | -2174.06 | 8.78 | 0.00 | 2.964 | 0.000000 |
| Mayni 110kV | 11/01/2020 19:45:00 | 80 | 24750.0 | 3420.0 | 1217.19 | -2202.81 | 8.9 | 0.00 | 2.629 | 1638.531330 |
| Mayni 110kV | 11/01/2020 20:00:00 | 81 | 24750.0 | 3420.0 | 1165.63 | -2254.37 | 9.11 | 0.00 | 2.629 | 366.629808 |
| Mayni 110kV | 11/01/2020 20:15:00 | 82 | 24750.0 | 3422.5 | 1178.13 | -2244.37 | 9.07 | 0.00 | 4.307 | 1203.600263 |
| Mayni 110kV | 11/01/2020 20:30:00 | 83 | 24750.0 | 3427.5 | 1100.0 | -2327.5 | 9.4 | 0.00 | 2.964 | 3200.338412 |
| Mayni 110kV | 11/01/2020 20:45:00 | 84 | 24750.0 | 3412.5 | 1121.88 | -2290.62 | 9.26 | 0.00 | 2.629 | 2703.625413 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mayni 110kV | 11/01/2020 21:00:00 | 85 | 24750.0 | 3462.5 | 1028.13 | -2434.37 | 9.84 | 0.00 | 3.636 | 521.851112 |
| Mayni 110kV | 11/01/2020 21:15:00 | 86 | 24750.0 | 3332.5 | 1017.19 | -2315.31 | 9.35 | 0.00 | -1.577 | 0.000000 |
| Mayni 110kV | 11/01/2020 21:30:00 | 87 | 24750.0 | 3340.0 | 1053.12 | -2286.88 | 9.24 | 0.00 | -1.577 | 0.000000 |
| Mayni 110kV | 11/01/2020 21:45:00 | 88 | 24750.0 | 3347.5 | 1071.88 | -2275.62 | 9.19 | 0.00 | -1.052 | 0.000000 |
| Mayni 110kV | 11/01/2020 22:00:00 | 89 | 24750.0 | 3352.5 | 1137.5 | -2215.0 | 8.95 | 0.00 | -5.650 | 0.000000 |
| Mayni 110kV | 11/01/2020 22:15:00 | 90 | 24750.0 | 3362.5 | 1056.25 | -2306.25 | 9.32 | 0.00 | -5.650 | 0.000000 |
| Mayni 110kV | 11/01/2020 22:30:00 | 91 | 24750.0 | 3370.0 | 995.31 | -2374.69 | 9.59 | 0.00 | 4.979 | 1144.972501 |
| Mayni 110kV | 11/01/2020 22:45:00 | 92 | 24750.0 | 3377.5 | 1032.81 | -2344.69 | 9.47 | 0.00 | 2.964 | 1472.425190 |
| Mayni 110kV | 11/01/2020 23:00:00 | 93 | 24750.0 | 3387.5 | 1020.31 | -2367.19 | 9.56 | 0.00 | 1.577 | 370.152152 |
| Mayni 110kV | 11/01/2020 23:15:00 | 94 | 24750.0 | 3382.5 | 1037.5 | -2345.0 | 9.47 | 0.00 | 1.074 | 299.924788 |
| Mayni 110kV | 11/01/2020 23:30:00 | 95 | 24750.0 | 3385.0 | 860.94 | -2524.06 | 10.2 | 0.00 | 2.113 | 1455.091398 |
| Mayni 110kV | 11/01/2020 23:45:00 | 96 | 24750.0 | 3420.0 | 782.81 | -2637.19 | 10.66 | 0.00 | 2.162 | 1959.971096 |
| Mayni 110kV | 12/01/2020 00:00:00 | 1 | 24750.0 | 3662.5 | 665.63 | -2996.87 | 12.11 | 0.00 | 3.022 | 1843.278317 |
| Mayni 110kV | 12/01/2020 00:15:00 | 2 | 24750.0 | 3680.0 | 671.87 | -3008.13 | 12.15 | 0.00 | -2.152 | 0.000000 |
| Mayni 110kV | 12/01/2020 00:30:00 | 3 | 24750.0 | 3665.0 | 673.44 | -2991.56 | 12.09 | 0.00 | -2.152 | 0.000000 |
| Mayni 110kV | 12/01/2020 00:45:00 | 4 | 24750.0 | 3485.0 | 810.94 | -2674.06 | 10.8 | 0.00 | -3.022 | 0.000000 |
| Mayni 110kV | 12/01/2020 01:00:00 | 5 | 24750.0 | 3520.0 | 890.62 | -2629.38 | 10.62 | 0.00 | -0.629 | 0.000000 |
| Mayni 110kV | 12/01/2020 01:15:00 | 6 | 24750.0 | 3520.0 | 1203.12 | -2316.88 | 9.36 | 0.00 | -3.317 | 0.000000 |
| Mayni 110kV | 12/01/2020 01:30:00 | 7 | 24750.0 | 3640.0 | 1732.81 | -1907.19 | 7.71 | 0.00 | -3.354 | 0.000000 |
| Mayni 110kV | 12/01/2020 01:45:00 | 8 | 24750.0 | 3557.5 | 1918.75 | -1638.75 | 6.62 | 0.00 | -3.022 | 0.000000 |
| Mayni 110kV | 12/01/2020 02:00:00 | 9 | 24750.0 | 3647.5 | 3025.0 | -622.5 | 2.52 | 0.00 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mayni 110kV | 12/01/2020 02:15:00 | 10 | 24750.0 | 3632.5 | 2798.44 | -834.06 | 3.37 | 0.00 | -3.022 | 0.000000 |
| Mayni 110kV | 12/01/2020 02:30:00 | 11 | 24750.0 | 3557.5 | 2673.44 | -884.06 | 3.57 | 0.00 | -2.690 | 0.000000 |
| Mayni 110kV | 12/01/2020 02:45:00 | 12 | 24750.0 | 3570.0 | 2509.38 | -1060.62 | 4.29 | 0.00 | -3.022 | 0.000000 |
| Mayni 110kV | 12/01/2020 03:00:00 | 13 | 24750.0 | 3605.0 | 2506.25 | -1098.75 | 4.44 | 0.00 | 3.354 | 520.243913 |
| Mayni 110kV | 12/01/2020 03:15:00 | 14 | 24750.0 | 3535.0 | 2560.94 | -974.06 | 3.94 | 0.00 | 3.022 | 565.602571 |
| Mayni 110kV | 12/01/2020 03:30:00 | 15 | 24750.0 | 3707.5 | 3406.25 | -301.25 | 1.22 | 0.00 | 3.354 | 64.880085 |
| Mayni 110kV | 12/01/2020 03:45:00 | 16 | 24750.0 | 3632.5 | 4173.44 | 540.94 | 2.19 | 0.00 | 2.152 | 0.000000 |
| Mayni 110kV | 12/01/2020 04:00:00 | 17 | 24750.0 | 3645.0 | 4331.25 | 686.25 | 2.77 | 0.00 | -2.152 | 0.000000 |
| Mayni 110kV | 12/01/2020 04:15:00 | 18 | 24750.0 | 3605.0 | 3895.31 | 290.31 | 1.17 | 0.00 | -3.022 | 0.000000 |
| Mayni 110kV | 12/01/2020 04:30:00 | 19 | 24750.0 | 3580.0 | 3734.38 | 154.38 | 0.62 | 0.00 | 1.076 | 0.000000 |
| Mayni 110kV | 12/01/2020 04:45:00 | 20 | 24750.0 | 3570.0 | 3798.44 | 228.44 | 0.92 | 0.00 | -3.022 | 0.000000 |
| Mayni 110kV | 12/01/2020 05:00:00 | 21 | 24750.0 | 3612.5 | 3865.62 | 253.12 | 1.02 | 0.00 | 3.686 | 0.000000 |
| Mayni 110kV | 12/01/2020 05:15:00 | 22 | 24750.0 | 3652.5 | 3620.31 | -32.19 | 0.13 | 0.00 | 3.686 | 35.514326 |
| Mayni 110kV | 12/01/2020 05:30:00 | 23 | 24750.0 | 3632.5 | 3528.12 | -104.38 | 0.42 | 0.00 | -1.614 | 0.000000 |
| Mayni 110kV | 12/01/2020 05:45:00 | 24 | 24750.0 | 3557.5 | 3562.5 | 5.0 | 0.02 | 0.00 | -0.496 | 0.000000 |
| Mayni 110kV | 12/01/2020 06:00:00 | 25 | 24750.0 | 3570.0 | 3198.44 | -371.56 | 1.5 | 0.00 | 0.000 | 0.000000 |
| Mayni 110kV | 12/01/2020 06:15:00 | 26 | 24750.0 | 3605.0 | 3018.75 | -586.25 | 2.37 | 0.00 | -0.430 | 0.000000 |
| Mayni 110kV | 12/01/2020 06:30:00 | 27 | 24750.0 | 3535.0 | 3117.19 | -417.81 | 1.69 | 0.00 | -2.152 | 0.000000 |
| Mayni 110kV | 12/01/2020 06:45:00 | 28 | 24750.0 | 3707.5 | 2912.5 | -795.0 | 3.21 | 0.00 | 4.681 | 0.000000 |
| Mayni 110kV | 12/01/2020 07:00:00 | 29 | 24750.0 | 3632.5 | 3098.44 | -534.06 | 2.16 | 0.00 | 1.614 | 0.000000 |
| Mayni 110kV | 12/01/2020 07:15:00 | 30 | 24750.0 | 3645.0 | 3321.88 | -323.12 | 1.31 | 0.00 | 3.838 | 267.432353 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mayni 110kV | 12/01/2020 07:30:00 | 31 | 24750.0 | 3605.0 | 3484.38 | -120.62 | 0.49 | 0.00 | 3.022 | 0.000000 |
| Mayni 110kV | 12/01/2020 07:45:00 | 32 | 24750.0 | 3407.5 | 3579.69 | 172.19 | 0.7 | 0.00 | 2.690 | 0.000000 |
| Mayni 110kV | 12/01/2020 08:00:00 | 33 | 24750.0 | 3415.0 | 3693.75 | 278.75 | 1.13 | 0.00 | -2.690 | -148.911845 |
| Mayni 110kV | 12/01/2020 08:15:00 | 34 | 24750.0 | 3432.5 | 3617.19 | 184.69 | 0.75 | 0.00 | -4.018 | -90.961268 |
| Mayni 110kV | 12/01/2020 08:30:00 | 35 | 24750.0 | 3432.5 | 3751.56 | 319.06 | 1.29 | 0.00 | -2.690 | -15.153524 |
| Mayni 110kV | 12/01/2020 08:45:00 | 36 | 24750.0 | 3440.0 | 3604.69 | 164.69 | 0.67 | 0.00 | 3.022 | 0.000000 |
| Mayni 110kV | 12/01/2020 09:00:00 | 37 | 24750.0 | 3447.5 | 3571.88 | 124.38 | 0.5 | 0.00 | -3.354 | -15.992433 |
| Mayni 110kV | 12/01/2020 09:15:00 | 38 | 24750.0 | 3452.5 | 3343.75 | -108.75 | 0.44 | 0.00 | -4.350 | 0.000000 |
| Mayni 110kV | 12/01/2020 09:30:00 | 39 | 24750.0 | 3462.5 | 3025.0 | -437.5 | 1.77 | 0.00 | 2.152 | 0.000000 |
| Mayni 110kV | 12/01/2020 09:45:00 | 40 | 24750.0 | 3470.0 | 3117.19 | -352.81 | 1.43 | 0.00 | -2.690 | 0.000000 |
| Mayni 110kV | 12/01/2020 10:00:00 | 41 | 24750.0 | 3477.5 | 3534.38 | 56.88 | 0.23 | 0.00 | -3.354 | -2.104216 |
| Mayni 110kV | 12/01/2020 10:15:00 | 42 | 24750.0 | 3487.5 | 3760.94 | 273.44 | 1.1 | 0.00 | -3.686 | -14.450537 |
| Mayni 110kV | 12/01/2020 10:30:00 | 43 | 24750.0 | 3482.5 | 3328.13 | -154.37 | 0.62 | 0.00 | -1.614 | 0.000000 |
| Mayni 110kV | 12/01/2020 10:45:00 | 44 | 24750.0 | 3485.0 | 3084.38 | -400.62 | 1.62 | 0.00 | 3.686 | 0.000000 |
| Mayni 110kV | 12/01/2020 11:00:00 | 45 | 24750.0 | 3520.0 | 3354.69 | -165.31 | 0.67 | 0.00 | -3.354 | 0.000000 |
| Mayni 110kV | 12/01/2020 11:15:00 | 46 | 24750.0 | 3520.0 | 2907.81 | -612.19 | 2.47 | 0.00 | -5.450 | 0.000000 |
| Mayni 110kV | 12/01/2020 11:30:00 | 47 | 24750.0 | 3522.5 | 2356.25 | -1166.25 | 4.71 | 0.00 | -6.009 | 0.000000 |
| Mayni 110kV | 12/01/2020 11:45:00 | 48 | 24750.0 | 3527.5 | 1892.19 | -1635.31 | 6.61 | 0.00 | 2.690 | 0.000000 |
| Mayni 110kV | 12/01/2020 12:00:00 | 49 | 24750.0 | 3512.5 | 1401.56 | -2110.94 | 8.53 | 0.00 | 3.686 | 0.000000 |
| Mayni 110kV | 12/01/2020 12:15:00 | 50 | 24750.0 | 3562.5 | 1245.31 | -2317.19 | 9.36 | 0.00 | -5.345 | 0.000000 |
| Mayni 110kV | 12/01/2020 12:30:00 | 51 | 24750.0 | 3487.5 | 1228.12 | -2259.38 | 9.13 | 0.00 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mayni 110kV | 12/01/2020 12:45:00 | 52 | 24750.0 | 3437.5 | 1335.94 | -2101.56 | 8.49 | 0.00 | -5.345 | 0.000000 |
| Mayni 110kV | 12/01/2020 13:00:00 | 53 | 24750.0 | 3520.0 | 1342.19 | -2177.81 | 8.8 | 0.00 | -3.999 | 0.000000 |
| Mayni 110kV | 12/01/2020 13:15:00 | 54 | 24750.0 | 3490.0 | 1128.12 | -2361.88 | 9.54 | 0.00 | -4.350 | 0.000000 |
| Mayni 110kV | 12/01/2020 13:30:00 | 55 | 24750.0 | 3440.0 | 1201.56 | -2238.44 | 9.04 | 0.00 | -1.076 | 0.000000 |
| Mayni 110kV | 12/01/2020 13:45:00 | 56 | 24750.0 | 3447.5 | 1301.56 | -2145.94 | 8.67 | 0.00 | -2.690 | 0.000000 |
| Mayni 110kV | 12/01/2020 14:00:00 | 57 | 24750.0 | 3452.5 | 971.88 | -2480.62 | 10.02 | 0.00 | -0.538 | 0.000000 |
| Mayni 110kV | 12/01/2020 14:15:00 | 58 | 24750.0 | 3462.5 | 1426.56 | -2035.94 | 8.23 | 0.00 | -2.152 | 0.000000 |
| Mayni 110kV | 12/01/2020 14:30:00 | 59 | 24750.0 | 3470.0 | 1129.69 | -2340.31 | 9.46 | 0.00 | -2.690 | 0.000000 |
| Mayni 110kV | 12/01/2020 14:45:00 | 60 | 24750.0 | 3477.5 | 823.44 | -2654.06 | 10.72 | 0.00 | -1.076 | 0.000000 |
| Mayni 110kV | 12/01/2020 15:00:00 | 61 | 24750.0 | 3487.5 | 762.5 | -2725.0 | 11.01 | 0.00 | 0.000 | 0.000000 |
| Mayni 110kV | 12/01/2020 15:15:00 | 62 | 24750.0 | 3482.5 | 471.88 | -3010.62 | 12.16 | 0.00 | -2.690 | 0.000000 |
| Mayni 110kV | 12/01/2020 15:30:00 | 63 | 24750.0 | 3485.0 | 701.56 | -2783.44 | 11.25 | 0.00 | -3.022 | 0.000000 |
| Mayni 110kV | 12/01/2020 15:45:00 | 64 | 24750.0 | 3520.0 | 300.0 | -3220.0 | 13.01 | 0.00 | -3.686 | 0.000000 |
| Mayni 110kV | 12/01/2020 16:00:00 | 65 | 24750.0 | 3520.0 | 365.62 | -3154.38 | 12.74 | 0.00 | -3.737 | 0.000000 |
| Mayni 110kV | 12/01/2020 16:15:00 | 66 | 24750.0 | 3522.5 | 270.31 | -3252.19 | 13.14 | 0.00 | -5.786 | 0.000000 |
| Mayni 110kV | 12/01/2020 16:30:00 | 67 | 24750.0 | 3527.5 | 292.19 | -3235.31 | 13.07 | 0.00 | -4.350 | 0.000000 |
| Mayni 110kV | 12/01/2020 16:45:00 | 68 | 24750.0 | 3512.5 | 328.12 | -3184.38 | 12.87 | 0.00 | -1.614 | 0.000000 |
| Mayni 110kV | 12/01/2020 17:00:00 | 69 | 24750.0 | 3562.5 | 375.0 | -3187.5 | 12.88 | 0.00 | 0.000 | 0.000000 |
| Mayni 110kV | 12/01/2020 17:15:00 | 70 | 24750.0 | 3487.5 | 221.87 | -3265.63 | 13.19 | 0.00 | 2.690 | 846.626839 |
| Mayni 110kV | 12/01/2020 17:30:00 | 71 | 24750.0 | 3462.5 | 200.0 | -3262.5 | 13.18 | 0.00 | -3.022 | 0.000000 |
| Mayni 110kV | 12/01/2020 17:45:00 | 72 | 24750.0 | 3447.5 | 242.19 | -3205.31 | 12.95 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mayni 110kV | 12/01/2020 18:00:00 | 73 | 24750.0 | 3452.5 | 334.38 | -3118.12 | 12.6 | 0.00 | -0.538 | 0.000000 |
| Mayni 110kV | 12/01/2020 18:15:00 | 74 | 24750.0 | 3462.5 | 378.12 | -3084.38 | 12.46 | 0.00 | -4.350 | 0.000000 |
| Mayni 110kV | 12/01/2020 18:30:00 | 75 | 24750.0 | 3470.0 | 396.88 | -3073.12 | 12.42 | 0.00 | 2.690 | 528.469539 |
| Mayni 110kV | 12/01/2020 18:45:00 | 76 | 24750.0 | 3477.5 | 562.5 | -2915.0 | 11.78 | 0.00 | 3.022 | 3229.430107 |
| Mayni 110kV | 12/01/2020 19:00:00 | 77 | 24750.0 | 3487.5 | 687.5 | -2800.0 | 11.31 | 0.00 | 3.686 | 996.399642 |
| Mayni 110kV | 12/01/2020 19:15:00 | 78 | 24750.0 | 3482.5 | 731.25 | -2751.25 | 11.12 | 0.00 | 2.690 | 58.114805 |
| Mayni 110kV | 12/01/2020 19:30:00 | 79 | 24750.0 | 3485.0 | 835.94 | -2649.06 | 10.7 | 0.00 | -3.022 | 0.000000 |
| Mayni 110kV | 12/01/2020 19:45:00 | 80 | 24750.0 | 3520.0 | 1064.06 | -2455.94 | 9.92 | 0.00 | -1.781 | 0.000000 |
| Mayni 110kV | 12/01/2020 20:00:00 | 81 | 24750.0 | 3520.0 | 1254.69 | -2265.31 | 9.15 | 0.00 | -3.021 | 0.000000 |
| Mayni 110kV | 12/01/2020 20:15:00 | 82 | 24750.0 | 3522.5 | 1295.31 | -2227.19 | 9.0 | 0.00 | -4.018 | 0.000000 |
| Mayni 110kV | 12/01/2020 20:30:00 | 83 | 24750.0 | 3527.5 | 1250.0 | -2277.5 | 9.2 | 0.00 | -3.354 | 0.000000 |
| Mayni 110kV | 12/01/2020 20:45:00 | 84 | 24750.0 | 3512.5 | 1151.56 | -2360.94 | 9.54 | 0.00 | -1.614 | 0.000000 |
| Mayni 110kV | 12/01/2020 21:00:00 | 85 | 24750.0 | 3562.5 | 1057.81 | -2504.69 | 10.12 | 0.00 | -4.350 | 0.000000 |
| Mayni 110kV | 12/01/2020 21:15:00 | 86 | 24750.0 | 3432.5 | 946.87 | -2485.63 | 10.04 | 0.00 | -3.686 | 0.000000 |
| Mayni 110kV | 12/01/2020 21:30:00 | 87 | 24750.0 | 3440.0 | 789.06 | -2650.94 | 10.71 | 0.00 | -1.614 | 0.000000 |
| Mayni 110kV | 12/01/2020 21:45:00 | 88 | 24750.0 | 3447.5 | 509.38 | -2938.12 | 11.87 | 0.00 | 0.000 | 0.000000 |
| Mayni 110kV | 12/01/2020 22:00:00 | 89 | 24750.0 | 3452.5 | 240.62 | -3211.88 | 12.98 | 0.00 | -3.354 | 0.000000 |
| Mayni 110kV | 12/01/2020 22:15:00 | 90 | 24750.0 | 3462.5 | 82.81 | -3379.69 | 13.66 | 0.00 | 4.350 | 4126.435247 |
| Mayni 110kV | 12/01/2020 22:30:00 | 91 | 24750.0 | 3470.0 | 6.25 | -3463.75 | 13.99 | 0.00 | 5.215 | 7975.757693 |
| Mayni 110kV | 12/01/2020 22:45:00 | 92 | 24750.0 | 3477.5 | 0.0 | -3477.5 | 14.05 | 0.00 | 3.022 | 783.862168 |
| Mayni 110kV | 12/01/2020 23:00:00 | 93 | 24750.0 | 3487.5 | 0.0 | -3487.5 | 14.09 | 0.00 | 3.022 | 1721.857536 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mayni 110kV | 12/01/2020 23:15:00 | 94 | 24750.0 | 3482.5 | 0.0 | -3482.5 | 14.07 | 0.00 | 2.152 | 1712.023566 |
| Mayni 110kV | 12/01/2020 23:30:00 | 95 | 24750.0 | 3485.0 | 3.12 | -3481.88 | 14.07 | 0.00 | 2.152 | 985.020547 |
| Mayni 110kV | 12/01/2020 23:45:00 | 96 | 24750.0 | 3520.0 | 17.19 | -3502.81 | 14.15 | 0.00 | 2.152 | 1138.583544 |
| Muktainagar 132kV | 06/01/2020 00:00:00 | 1 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.903 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 00:15:00 | 2 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 00:30:00 | 3 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 00:45:00 | 4 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.984 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 01:00:00 | 5 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.541 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 01:15:00 | 6 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 01:30:00 | 7 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.541 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 01:45:00 | 8 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.352 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 02:00:00 | 9 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.747 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 02:15:00 | 10 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.581 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 02:30:00 | 11 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.323 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 02:45:00 | 12 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 03:00:00 | 13 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 03:15:00 | 14 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.742 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 03:30:00 | 15 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 03:45:00 | 16 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.541 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 04:00:00 | 17 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.496 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 04:15:00 | 18 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Muktainagar 132kV | 06/01/2020 04:30:00 | 19 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.859 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 04:45:00 | 20 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.815 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 05:00:00 | 21 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.859 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 05:15:00 | 22 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.407 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 05:30:00 | 23 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.496 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 05:45:00 | 24 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.492 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 06:00:00 | 25 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.452 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 06:15:00 | 26 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -6.089 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 06:30:00 | 27 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -7.044 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 06:45:00 | 28 | 12500.0 | 32.5 | 0.0 | -32.5 | 0.26 | 0.00 | 7.682 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 07:00:00 | 29 | 12500.0 | 47.5 | 20.0 | -27.5 | 0.22 | 0.00 | -3.859 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 07:15:00 | 30 | 12500.0 | 242.5 | 160.0 | -82.5 | 0.66 | 0.00 | 4.815 | 40.962737 |
| Muktainagar 132kV | 06/01/2020 07:30:00 | 31 | 12500.0 | 612.5 | 430.0 | -182.5 | 1.46 | 0.00 | 4.178 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 07:45:00 | 32 | 12500.0 | 1097.5 | 780.0 | -317.5 | 2.54 | 0.00 | -3.540 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 08:00:00 | 33 | 12500.0 | 1685.0 | 1150.0 | -535.0 | 4.28 | 0.00 | -3.859 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 08:15:00 | 34 | 12500.0 | 2312.5 | 1570.0 | -742.5 | 5.94 | 0.00 | -5.452 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 08:30:00 | 35 | 12500.0 | 3037.5 | 2080.0 | -957.5 | 7.66 | 0.00 | 4.178 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 08:45:00 | 36 | 12500.0 | 4085.0 | 3380.0 | -705.0 | 5.64 | 0.00 | -3.859 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 09:00:00 | 37 | 12500.0 | 5307.5 | 5500.0 | 192.5 | 1.54 | 0.00 | -6.407 | -60.319366 |
| Muktainagar 132kV | 06/01/2020 09:15:00 | 38 | 12500.0 | 6400.0 | 6630.0 | 230.0 | 1.84 | 0.00 | -8.000 | -36.568809 |
| Muktainagar 132kV | 06/01/2020 09:30:00 | 39 | 12500.0 | 7235.0 | 7570.0 | 335.0 | 2.68 | 0.00 | -5.770 | -23.058561 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Muktainagar 132kV | 06/01/2020 09:45:00 | 40 | 12500.0 | 7887.5 | 8410.0 | 522.5 | 4.18 | 0.00 | 3.222 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 10:00:00 | 41 | 12500.0 | 8447.5 | 9150.0 | 702.5 | 5.62 | 0.00 | -2.903 | -95.854304 |
| Muktainagar 132kV | 06/01/2020 10:15:00 | 42 | 12500.0 | 8942.5 | 9660.0 | 717.5 | 5.74 | 0.00 | -3.222 | -20.177330 |
| Muktainagar 132kV | 06/01/2020 10:30:00 | 43 | 12500.0 | 9275.0 | 10060.0 | 785.0 | 6.28 | 0.00 | 4.815 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 10:45:00 | 44 | 12500.0 | 9547.5 | 10390.0 | 842.5 | 6.74 | 0.00 | 4.496 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 11:00:00 | 45 | 12500.0 | 9890.0 | 10650.0 | 760.0 | 6.08 | 0.00 | 16.000 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 11:15:00 | 46 | 12500.0 | 10095.0 | 10930.0 | 835.0 | 6.68 | 0.00 | 5.133 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 11:30:00 | 47 | 12500.0 | 10370.0 | 11170.0 | 800.0 | 6.4 | 0.00 | 1.182 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 11:45:00 | 48 | 12500.0 | 10507.5 | 11230.0 | 722.5 | 5.78 | 0.00 | 6.308 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 12:00:00 | 49 | 12500.0 | 11172.5 | 11290.0 | 117.5 | 0.94 | 0.00 | 6.598 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 12:15:00 | 50 | 12500.0 | 11070.0 | 11280.0 | 210.0 | 1.68 | 0.00 | 5.431 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 12:30:00 | 51 | 12500.0 | 11115.0 | 11250.0 | 135.0 | 1.08 | 0.00 | 3.540 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 12:45:00 | 52 | 12500.0 | 11090.0 | 11130.0 | 40.0 | 0.32 | 0.00 | -2.903 | -0.641883 |
| Muktainagar 132kV | 06/01/2020 13:00:00 | 53 | 12500.0 | 10980.0 | 11120.0 | 140.0 | 1.12 | 0.00 | -1.161 | -4.632310 |
| Muktainagar 132kV | 06/01/2020 13:15:00 | 54 | 12500.0 | 10867.5 | 10830.0 | -37.5 | 0.3 | 0.00 | 3.859 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 13:30:00 | 55 | 12500.0 | 10720.0 | 10620.0 | -100.0 | 0.8 | 0.00 | -6.407 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 13:45:00 | 56 | 12500.0 | 10502.5 | 10350.0 | -152.5 | 1.22 | 0.00 | 5.452 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 14:00:00 | 57 | 12500.0 | 10135.0 | 9950.0 | -185.0 | 1.48 | 0.00 | 5.452 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 14:15:00 | 58 | 12500.0 | 9852.5 | 9550.0 | -302.5 | 2.42 | 0.00 | 16.000 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 14:30:00 | 59 | 12500.0 | 9097.5 | 9090.0 | -7.5 | 0.06 | 0.00 | 6.035 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 14:45:00 | 60 | 12500.0 | 8492.5 | 8350.0 | -142.5 | 1.14 | 0.00 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Muktainagar 132kV | 06/01/2020 15:00:00 | 61 | 12500.0 | 7952.5 | 7750.0 | -202.5 | 1.62 | 0.00 | 3.367 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 15:15:00 | 62 | 12500.0 | 7287.5 | 7000.0 | -287.5 | 2.3 | 0.00 | 3.904 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 15:30:00 | 63 | 12500.0 | 6200.0 | 6290.0 | 90.0 | 0.72 | 0.00 | 4.482 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 15:45:00 | 64 | 12500.0 | 5240.0 | 5230.0 | -10.0 | 0.08 | 0.00 | 4.225 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 16:00:00 | 65 | 12500.0 | 4005.0 | 4140.0 | 135.0 | 1.08 | 0.00 | 2.895 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 16:15:00 | 66 | 12500.0 | 3000.0 | 3060.0 | 60.0 | 0.48 | 0.00 | 6.089 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 16:30:00 | 67 | 12500.0 | 2237.5 | 2030.0 | -207.5 | 1.66 | 0.00 | -8.000 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 16:45:00 | 68 | 12500.0 | 1677.5 | 1120.0 | -557.5 | 4.46 | 0.00 | -4.178 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 17:00:00 | 69 | 12500.0 | 1152.5 | 770.0 | -382.5 | 3.06 | 0.00 | 1.742 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 17:15:00 | 70 | 12500.0 | 680.0 | 450.0 | -230.0 | 1.84 | 0.00 | 2.903 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 17:30:00 | 71 | 12500.0 | 290.0 | 200.0 | -90.0 | 0.72 | 0.00 | -4.178 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 17:45:00 | 72 | 12500.0 | 60.0 | 40.0 | -20.0 | 0.16 | 0.00 | -2.323 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 18:00:00 | 73 | 12500.0 | 42.5 | 0.0 | -42.5 | 0.34 | 0.00 | -2.903 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 18:15:00 | 74 | 12500.0 | 32.5 | 0.0 | -32.5 | 0.26 | 0.00 | 1.161 | 8.451930 |
| Muktainagar 132kV | 06/01/2020 18:30:00 | 75 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.903 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 18:45:00 | 76 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.903 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 19:00:00 | 77 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.161 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 19:15:00 | 78 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.178 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 19:30:00 | 79 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.323 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 19:45:00 | 80 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.178 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 20:00:00 | 81 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Muktainagar 132kV | 06/01/2020 20:15:00 | 82 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.770 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 20:30:00 | 83 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.770 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 20:45:00 | 84 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.178 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 21:00:00 | 85 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 21:15:00 | 86 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.742 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 21:30:00 | 87 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 21:45:00 | 88 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.161 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 22:00:00 | 89 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.815 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 22:15:00 | 90 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.859 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 22:30:00 | 91 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.742 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 22:45:00 | 92 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.323 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 23:00:00 | 93 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.903 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 23:15:00 | 94 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 23:30:00 | 95 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.222 | 0.000000 |
| Muktainagar 132kV | 06/01/2020 23:45:00 | 96 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 00:00:00 | 1 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.549 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 00:15:00 | 2 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.647 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 00:30:00 | 3 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.073 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 00:45:00 | 4 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.744 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 01:00:00 | 5 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 01:15:00 | 6 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Muktainagar 132kV | 07/01/2020 01:30:00 | 7 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 01:45:00 | 8 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 02:00:00 | 9 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.073 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 02:15:00 | 10 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.073 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 02:30:00 | 11 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.401 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 02:45:00 | 12 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.745 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 03:00:00 | 13 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 03:15:00 | 14 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.196 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 03:30:00 | 15 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 03:45:00 | 16 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.098 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 04:00:00 | 17 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 04:15:00 | 18 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.210 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 04:30:00 | 19 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 04:45:00 | 20 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.098 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 05:00:00 | 21 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.744 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 05:15:00 | 22 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 05:30:00 | 23 | 12500.0 | 32.5 | 0.0 | -32.5 | 0.26 | 0.00 | 3.073 | 37.508197 |
| Muktainagar 132kV | 07/01/2020 05:45:00 | 24 | 12500.0 | 32.5 | 0.0 | -32.5 | 0.26 | 0.00 | 3.730 | 29.138184 |
| Muktainagar 132kV | 07/01/2020 06:00:00 | 25 | 12500.0 | 32.5 | 0.0 | -32.5 | 0.26 | 0.00 | -5.372 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 06:15:00 | 26 | 12500.0 | 32.5 | 0.0 | -32.5 | 0.26 | 0.00 | 4.556 | 108.293040 |
| Muktainagar 132kV | 07/01/2020 06:30:00 | 27 | 12500.0 | 35.0 | 0.0 | -35.0 | 0.28 | 0.00 | 7.148 | 201.921699 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Muktainagar 132kV | 07/01/2020 06:45:00 | 28 | 12500.0 | 35.0 | 0.0 | -35.0 | 0.28 | 0.00 | 7.821 | 185.157494 |
| Muktainagar 132kV | 07/01/2020 07:00:00 | 29 | 12500.0 | 45.0 | 10.0 | -35.0 | 0.28 | 0.00 | 5.372 | 93.010652 |
| Muktainagar 132kV | 07/01/2020 07:15:00 | 30 | 12500.0 | 197.5 | 90.0 | -107.5 | 0.86 | 0.00 | 16.000 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 07:30:00 | 31 | 12500.0 | 467.5 | 230.0 | -237.5 | 1.9 | 0.00 | 9.296 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 07:45:00 | 32 | 12500.0 | 860.0 | 350.0 | -510.0 | 4.08 | 0.00 | 9.794 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 08:00:00 | 33 | 12500.0 | 1272.5 | 930.0 | -342.5 | 2.74 | 0.00 | 3.593 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 08:15:00 | 34 | 12500.0 | 1837.5 | 1240.0 | -597.5 | 4.78 | 0.00 | 3.401 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 08:30:00 | 35 | 12500.0 | 2320.0 | 1870.0 | -450.0 | 3.6 | 0.00 | 3.245 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 08:45:00 | 36 | 12500.0 | 3237.5 | 2310.0 | -927.5 | 7.42 | 0.00 | 0.000 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 09:00:00 | 37 | 12500.0 | 4142.5 | 2670.0 | -1472.5 | 11.78 | 0.00 | 2.745 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 09:15:00 | 38 | 12500.0 | 5302.5 | 5160.0 | -142.5 | 1.14 | 0.00 | 4.715 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 09:30:00 | 39 | 12500.0 | 6600.0 | 5900.0 | -700.0 | 5.6 | 0.00 | 3.981 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 09:45:00 | 40 | 12500.0 | 7805.0 | 6480.0 | -1325.0 | 10.6 | 0.00 | 3.730 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 10:00:00 | 41 | 12500.0 | 8450.0 | 7120.0 | -1330.0 | 10.64 | 0.00 | 1.780 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 10:15:00 | 42 | 12500.0 | 9055.0 | 7680.0 | -1375.0 | 11.0 | 0.00 | 5.643 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 10:30:00 | 43 | 12500.0 | 9330.0 | 8300.0 | -1030.0 | 8.24 | 0.00 | 4.976 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 10:45:00 | 44 | 12500.0 | 9620.0 | 8730.0 | -890.0 | 7.12 | 0.00 | 4.415 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 11:00:00 | 45 | 12500.0 | 8482.5 | 9100.0 | 617.5 | 4.94 | 0.00 | 4.476 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 11:15:00 | 46 | 12500.0 | 8862.5 | 9560.0 | 697.5 | 5.58 | 0.00 | 4.826 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 11:30:00 | 47 | 12500.0 | 9140.0 | 9910.0 | 770.0 | 6.16 | 0.00 | 2.289 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 11:45:00 | 48 | 12500.0 | 10185.0 | 10170.0 | -15.0 | 0.12 | 0.00 | -0.549 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Muktainagar 132kV | 07/01/2020 12:00:00 | 49 | 12500.0 | 11180.0 | 10400.0 | -780.0 | 6.24 | 0.00 | 4.727 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 12:15:00 | 50 | 12500.0 | 11215.0 | 10400.0 | -815.0 | 6.52 | 0.00 | 4.777 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 12:30:00 | 51 | 12500.0 | 11282.5 | 10340.0 | -942.5 | 7.54 | 0.00 | 4.798 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 12:45:00 | 52 | 12500.0 | 11225.0 | 10290.0 | -935.0 | 7.48 | 0.00 | -3.401 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 13:00:00 | 53 | 12500.0 | 10970.0 | 10100.0 | -870.0 | 6.96 | 0.00 | -2.431 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 13:15:00 | 54 | 12500.0 | 10780.0 | 9890.0 | -890.0 | 7.12 | 0.00 | -4.387 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 13:30:00 | 55 | 12500.0 | 9655.0 | 9570.0 | -85.0 | 0.68 | 0.00 | -3.401 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 13:45:00 | 56 | 12500.0 | 9407.5 | 9170.0 | -237.5 | 1.9 | 0.00 | -5.044 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 14:00:00 | 57 | 12500.0 | 8880.0 | 8900.0 | 20.0 | 0.16 | 0.00 | 4.215 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 14:15:00 | 58 | 12500.0 | 7492.5 | 8590.0 | 1097.5 | 8.78 | 0.00 | 9.552 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 14:30:00 | 59 | 12500.0 | 6925.0 | 8180.0 | 1255.0 | 10.04 | 0.00 | 6.358 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 14:45:00 | 60 | 12500.0 | 6445.0 | 7070.0 | 625.0 | 5.0 | 0.00 | 2.744 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 15:00:00 | 61 | 12500.0 | 5602.5 | 6510.0 | 907.5 | 7.26 | 0.00 | -3.073 | -145.770875 |
| Muktainagar 132kV | 07/01/2020 15:15:00 | 62 | 12500.0 | 5345.0 | 5610.0 | 265.0 | 2.12 | 0.00 | -4.058 | -48.037823 |
| Muktainagar 132kV | 07/01/2020 15:30:00 | 63 | 12500.0 | 4715.0 | 5000.0 | 285.0 | 2.28 | 0.00 | -4.831 | -195.580684 |
| Muktainagar 132kV | 07/01/2020 15:45:00 | 64 | 12500.0 | 4017.5 | 3990.0 | -27.5 | 0.22 | 0.00 | -5.372 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 16:00:00 | 65 | 12500.0 | 3372.5 | 3100.0 | -272.5 | 2.18 | 0.00 | 2.196 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 16:15:00 | 66 | 12500.0 | 2787.5 | 2410.0 | -377.5 | 3.02 | 0.00 | -3.401 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 16:30:00 | 67 | 12500.0 | 2215.0 | 1440.0 | -775.0 | 6.2 | 0.00 | 4.738 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 16:45:00 | 68 | 12500.0 | 1697.5 | 980.0 | -717.5 | 5.74 | 0.00 | 7.343 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 17:00:00 | 69 | 12500.0 | 1252.5 | 680.0 | -572.5 | 4.58 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Muktainagar 132kV | 07/01/2020 17:15:00 | 70 | 12500.0 | 802.5 | 480.0 | -322.5 | 2.58 | 0.00 | 2.744 | 53.646626 |
| Muktainagar 132kV | 07/01/2020 17:30:00 | 71 | 12500.0 | 387.5 | 210.0 | -177.5 | 1.42 | 0.00 | 3.401 | 11.720226 |
| Muktainagar 132kV | 07/01/2020 17:45:00 | 72 | 12500.0 | 105.0 | 40.0 | -65.0 | 0.52 | 0.00 | -2.745 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 18:00:00 | 73 | 12500.0 | 47.5 | 0.0 | -47.5 | 0.38 | 0.00 | -3.073 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 18:15:00 | 74 | 12500.0 | 25.0 | 0.0 | -25.0 | 0.2 | 0.00 | -5.372 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 18:30:00 | 75 | 12500.0 | 12.5 | 0.0 | -12.5 | 0.1 | 0.00 | 3.401 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 18:45:00 | 76 | 12500.0 | 7.5 | 0.0 | -7.5 | 0.06 | 0.00 | -3.401 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 19:00:00 | 77 | 12500.0 | 7.5 | 0.0 | -7.5 | 0.06 | 0.00 | -3.730 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 19:15:00 | 78 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.715 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 19:30:00 | 79 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 19:45:00 | 80 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.210 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 20:00:00 | 81 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.348 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 20:15:00 | 82 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.387 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 20:30:00 | 83 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.816 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 20:45:00 | 84 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.401 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 21:00:00 | 85 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 21:15:00 | 86 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 21:30:00 | 87 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.196 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 21:45:00 | 88 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.196 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 22:00:00 | 89 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.257 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 22:15:00 | 90 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Muktainagar 132kV | 07/01/2020 22:30:00 | 91 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.098 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 22:45:00 | 92 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.647 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 23:00:00 | 93 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 23:15:00 | 94 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 23:30:00 | 95 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.196 | 0.000000 |
| Muktainagar 132kV | 07/01/2020 23:45:00 | 96 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.549 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 00:00:00 | 1 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 00:15:00 | 2 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 00:30:00 | 3 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 00:45:00 | 4 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.424 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 01:00:00 | 5 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.170 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 01:15:00 | 6 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.761 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 01:30:00 | 7 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.665 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 01:45:00 | 8 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.665 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 02:00:00 | 9 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 02:15:00 | 10 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.347 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 02:30:00 | 11 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 02:45:00 | 12 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 03:00:00 | 13 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.428 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 03:15:00 | 14 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 03:30:00 | 15 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Muktainagar 132kV | 08/01/2020 03:45:00 | 16 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 04:00:00 | 17 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 04:15:00 | 18 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.665 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 04:30:00 | 19 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 04:45:00 | 20 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 05:00:00 | 21 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 05:15:00 | 22 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 05:30:00 | 23 | 12500.0 | 17.5 | 0.0 | -17.5 | 0.14 | 0.00 | -3.428 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 05:45:00 | 24 | 12500.0 | 17.5 | 0.0 | -17.5 | 0.14 | 0.00 | -2.775 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 06:00:00 | 25 | 12500.0 | 20.0 | 0.0 | -20.0 | 0.16 | 0.00 | -2.220 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 06:15:00 | 26 | 12500.0 | 25.0 | 0.0 | -25.0 | 0.2 | 0.00 | 2.220 | 5.118628 |
| Muktainagar 132kV | 08/01/2020 06:30:00 | 27 | 12500.0 | 37.5 | 0.0 | -37.5 | 0.3 | 0.00 | 5.387 | 67.498578 |
| Muktainagar 132kV | 08/01/2020 06:45:00 | 28 | 12500.0 | 47.5 | 0.0 | -47.5 | 0.38 | 0.00 | -4.734 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 07:00:00 | 29 | 12500.0 | 237.5 | 0.0 | -237.5 | 1.9 | 0.00 | -4.407 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 07:15:00 | 30 | 12500.0 | 487.5 | 90.0 | -397.5 | 3.18 | 0.00 | 5.061 | 700.627001 |
| Muktainagar 132kV | 08/01/2020 07:30:00 | 31 | 12500.0 | 785.0 | 240.0 | -545.0 | 4.36 | 0.00 | 5.714 | 919.142653 |
| Muktainagar 132kV | 08/01/2020 07:45:00 | 32 | 12500.0 | 1135.0 | 530.0 | -605.0 | 4.84 | 0.00 | 5.061 | 401.135856 |
| Muktainagar 132kV | 08/01/2020 08:00:00 | 33 | 12500.0 | 1625.0 | 690.0 | -935.0 | 7.48 | 0.00 | 2.775 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 08:15:00 | 34 | 12500.0 | 2130.0 | 600.0 | -1530.0 | 12.24 | 0.00 | 2.775 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 08:30:00 | 35 | 12500.0 | 2650.0 | 980.0 | -1670.0 | 13.36 | 0.00 | 5.387 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 08:45:00 | 36 | 12500.0 | 3262.5 | 1630.0 | -1632.5 | 13.06 | 0.00 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Muktainagar 132kV | 08/01/2020 09:00:00 | 37 | 12500.0 | 4092.5 | 2400.0 | -1692.5 | 13.54 | 0.00 | 7.673 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 09:15:00 | 38 | 12500.0 | 5080.0 | 2030.0 | -3050.0 | 24.4 | 587.50 | 7.673 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 09:30:00 | 39 | 12500.0 | 6080.0 | 3050.0 | -3030.0 | 24.24 | 577.50 | 3.101 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 09:45:00 | 40 | 12500.0 | 7022.5 | 5650.0 | -1372.5 | 10.98 | 0.00 | -3.101 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 10:00:00 | 41 | 12500.0 | 7440.0 | 4070.0 | -3370.0 | 26.96 | 870.00 | -3.101 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 10:15:00 | 42 | 12500.0 | 7845.0 | 5640.0 | -2205.0 | 17.64 | 165.00 | -3.101 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 10:30:00 | 43 | 12500.0 | 8125.0 | 5200.0 | -2925.0 | 23.4 | 525.00 | -1.665 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 10:45:00 | 44 | 12500.0 | 8385.0 | 7080.0 | -1305.0 | 10.44 | 0.00 | 0.000 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 11:00:00 | 45 | 12500.0 | 8905.0 | 8090.0 | -815.0 | 6.52 | 0.00 | -1.486 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 11:15:00 | 46 | 12500.0 | 9402.5 | 8720.0 | -682.5 | 5.46 | 0.00 | -1.305 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 11:30:00 | 47 | 12500.0 | 9340.0 | 9010.0 | -330.0 | 2.64 | 0.00 | -2.425 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 11:45:00 | 48 | 12500.0 | 7222.5 | 9490.0 | 2267.5 | 18.14 | 196.25 | -2.775 | -820.793713 |
| Muktainagar 132kV | 08/01/2020 12:00:00 | 49 | 12500.0 | 7780.0 | 9680.0 | 1900.0 | 15.2 | 12.50 | -2.083 | -1219.071361 |
| Muktainagar 132kV | 08/01/2020 12:15:00 | 50 | 12500.0 | 8237.5 | 9670.0 | 1432.5 | 11.46 | 0.00 | -3.242 | -581.814873 |
| Muktainagar 132kV | 08/01/2020 12:30:00 | 51 | 12500.0 | 8287.5 | 9650.0 | 1362.5 | 10.9 | 0.00 | -1.330 | -289.857956 |
| Muktainagar 132kV | 08/01/2020 12:45:00 | 52 | 12500.0 | 8252.5 | 9880.0 | 1627.5 | 13.02 | 0.00 | -0.830 | -309.512228 |
| Muktainagar 132kV | 08/01/2020 13:00:00 | 53 | 12500.0 | 8557.5 | 9060.0 | 502.5 | 4.02 | 0.00 | 2.775 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 13:15:00 | 54 | 12500.0 | 8857.5 | 7310.0 | -1547.5 | 12.38 | 0.00 | 0.000 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 13:30:00 | 55 | 12500.0 | 8942.5 | 8750.0 | -192.5 | 1.54 | 0.00 | -1.012 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 13:45:00 | 56 | 12500.0 | 9087.5 | 9570.0 | 482.5 | 3.86 | 0.00 | -1.087 | -48.655990 |
| Muktainagar 132kV | 08/01/2020 14:00:00 | 57 | 12500.0 | 8595.0 | 9970.0 | 1375.0 | 11.0 | 0.00 | -3.101 | -402.773004 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Muktainagar 132kV | 08/01/2020 14:15:00 | 58 | 12500.0 | 6447.5 | 8640.0 | 2192.5 | 17.54 | 158.75 | -4.081 | -464.217535 |
| Muktainagar 132kV | 08/01/2020 14:30:00 | 59 | 12500.0 | 6240.0 | 8030.0 | 1790.0 | 14.32 | 0.00 | -2.996 | -724.178462 |
| Muktainagar 132kV | 08/01/2020 14:45:00 | 60 | 12500.0 | 5822.5 | 7270.0 | 1447.5 | 11.58 | 0.00 | -3.101 | -219.647564 |
| Muktainagar 132kV | 08/01/2020 15:00:00 | 61 | 12500.0 | 5610.0 | 6870.0 | 1260.0 | 10.08 | 0.00 | -1.879 | -316.533382 |
| Muktainagar 132kV | 08/01/2020 15:15:00 | 62 | 12500.0 | 5430.0 | 3680.0 | -1750.0 | 14.0 | 0.00 | -4.081 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 15:30:00 | 63 | 12500.0 | 5222.5 | 1250.0 | -3972.5 | 31.78 | 1472.50 | 4.938 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 15:45:00 | 64 | 12500.0 | 4362.5 | 4470.0 | 107.5 | 0.86 | 0.00 | 4.719 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 16:00:00 | 65 | 12500.0 | 3627.5 | 2840.0 | -787.5 | 6.3 | 0.00 | 0.555 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 16:15:00 | 66 | 12500.0 | 2947.5 | 1510.0 | -1437.5 | 11.5 | 0.00 | -4.081 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 16:30:00 | 67 | 12500.0 | 2297.5 | 570.0 | -1727.5 | 13.82 | 0.00 | -3.754 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 16:45:00 | 68 | 12500.0 | 1725.0 | 490.0 | -1235.0 | 9.88 | 0.00 | -8.000 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 17:00:00 | 69 | 12500.0 | 1245.0 | 370.0 | -875.0 | 7.0 | 0.00 | 0.000 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 17:15:00 | 70 | 12500.0 | 805.0 | 460.0 | -345.0 | 2.76 | 0.00 | 4.081 | 66.179763 |
| Muktainagar 132kV | 08/01/2020 17:30:00 | 71 | 12500.0 | 415.0 | 160.0 | -255.0 | 2.04 | 0.00 | -5.387 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 17:45:00 | 72 | 12500.0 | 87.5 | 30.0 | -57.5 | 0.46 | 0.00 | -3.101 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 18:00:00 | 73 | 12500.0 | 60.0 | 0.0 | -60.0 | 0.48 | 0.00 | -2.775 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 18:15:00 | 74 | 12500.0 | 35.0 | 0.0 | -35.0 | 0.28 | 0.00 | -3.101 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 18:30:00 | 75 | 12500.0 | 22.5 | 0.0 | -22.5 | 0.18 | 0.00 | -2.220 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 18:45:00 | 76 | 12500.0 | 17.5 | 0.0 | -17.5 | 0.14 | 0.00 | 2.220 | 13.794774 |
| Muktainagar 132kV | 08/01/2020 19:00:00 | 77 | 12500.0 | 17.5 | 0.0 | -17.5 | 0.14 | 0.00 | 1.110 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 19:15:00 | 78 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Muktainagar 132kV | 08/01/2020 19:30:00 | 79 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 19:45:00 | 80 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.555 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 20:00:00 | 81 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 20:15:00 | 82 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.101 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 20:30:00 | 83 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.408 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 20:45:00 | 84 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.101 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 21:00:00 | 85 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.101 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 21:15:00 | 86 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.555 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 21:30:00 | 87 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 21:45:00 | 88 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 22:00:00 | 89 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.489 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 22:15:00 | 90 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 22:30:00 | 91 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.223 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 22:45:00 | 92 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 23:00:00 | 93 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 23:15:00 | 94 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 23:30:00 | 95 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Muktainagar 132kV | 08/01/2020 23:45:00 | 96 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 00:00:00 | 1 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 00:15:00 | 2 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 00:30:00 | 3 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Muktainagar 132kV | 09/01/2020 00:45:00 | 4 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 01:00:00 | 5 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.519 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 01:15:00 | 6 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.519 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 01:30:00 | 7 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.199 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 01:45:00 | 8 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.519 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 02:00:00 | 9 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.519 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 02:15:00 | 10 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.879 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 02:30:00 | 11 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.199 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 02:45:00 | 12 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 03:00:00 | 13 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 03:15:00 | 14 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.839 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 03:30:00 | 15 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.199 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 03:45:00 | 16 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 04:00:00 | 17 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 04:15:00 | 18 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 04:30:00 | 19 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 04:45:00 | 20 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.879 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 05:00:00 | 21 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.839 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 05:15:00 | 22 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.119 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 05:30:00 | 23 | 12500.0 | 32.5 | 0.0 | -32.5 | 0.26 | 0.00 | 4.064 | 83.603280 |
| Muktainagar 132kV | 09/01/2020 05:45:00 | 24 | 12500.0 | 32.5 | 0.0 | -32.5 | 0.26 | 0.00 | 1.152 | 0.229282 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Muktainagar 132kV | 09/01/2020 06:00:00 | 25 | 12500.0 | 32.5 | 0.0 | -32.5 | 0.26 | 0.00 | -2.303 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 06:15:00 | 26 | 12500.0 | 32.5 | 0.0 | -32.5 | 0.26 | 0.00 | 2.303 | 21.617365 |
| Muktainagar 132kV | 09/01/2020 06:30:00 | 27 | 12500.0 | 35.0 | 0.0 | -35.0 | 0.28 | 0.00 | -3.839 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 06:45:00 | 28 | 12500.0 | 35.0 | 0.0 | -35.0 | 0.28 | 0.00 | -2.879 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 07:00:00 | 29 | 12500.0 | 40.0 | 20.0 | -20.0 | 0.16 | 0.00 | -2.879 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 07:15:00 | 30 | 12500.0 | 175.0 | 130.0 | -45.0 | 0.36 | 0.00 | 6.400 | 22.387802 |
| Muktainagar 132kV | 09/01/2020 07:30:00 | 31 | 12500.0 | 415.0 | 380.0 | -35.0 | 0.28 | 0.00 | 1.172 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 07:45:00 | 32 | 12500.0 | 790.0 | 690.0 | -100.0 | 0.8 | 0.00 | 0.576 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 08:00:00 | 33 | 12500.0 | 1207.5 | 1070.0 | -137.5 | 1.1 | 0.00 | -0.576 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 08:15:00 | 34 | 12500.0 | 1605.0 | 1510.0 | -95.0 | 0.76 | 0.00 | -1.152 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 08:30:00 | 35 | 12500.0 | 2150.0 | 1980.0 | -170.0 | 1.36 | 0.00 | 0.576 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 08:45:00 | 36 | 12500.0 | 3027.5 | 2640.0 | -387.5 | 3.1 | 0.00 | 0.000 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 09:00:00 | 37 | 12500.0 | 3902.5 | 4110.0 | 207.5 | 1.66 | 0.00 | 1.152 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 09:15:00 | 38 | 12500.0 | 4670.0 | 6140.0 | 1470.0 | 11.76 | 0.00 | 1.727 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 09:30:00 | 39 | 12500.0 | 6795.0 | 7140.0 | 345.0 | 2.76 | 0.00 | -3.839 | -14.866987 |
| Muktainagar 132kV | 09/01/2020 09:45:00 | 40 | 12500.0 | 7715.0 | 7980.0 | 265.0 | 2.12 | 0.00 | -1.152 | -2.176176 |
| Muktainagar 132kV | 09/01/2020 10:00:00 | 41 | 12500.0 | 8052.5 | 8720.0 | 667.5 | 5.34 | 0.00 | 0.000 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 10:15:00 | 42 | 12500.0 | 8757.5 | 9350.0 | 592.5 | 4.74 | 0.00 | 1.727 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 10:30:00 | 43 | 12500.0 | 9110.0 | 9900.0 | 790.0 | 6.32 | 0.00 | 2.303 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 10:45:00 | 44 | 12500.0 | 9750.0 | 10360.0 | 610.0 | 4.88 | 0.00 | -1.144 | -57.202995 |
| Muktainagar 132kV | 09/01/2020 11:00:00 | 45 | 12500.0 | 10220.0 | 10780.0 | 560.0 | 4.48 | 0.00 | -4.479 | -162.872694 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Muktainagar 132kV | 09/01/2020 11:15:00 | 46 | 12500.0 | 10617.5 | 11200.0 | 582.5 | 4.66 | 0.00 | -3.519 | -106.674934 |
| Muktainagar 132kV | 09/01/2020 11:30:00 | 47 | 12500.0 | 10900.0 | 11480.0 | 580.0 | 4.64 | 0.00 | -2.303 | -75.164837 |
| Muktainagar 132kV | 09/01/2020 11:45:00 | 48 | 12500.0 | 11200.0 | 11650.0 | 450.0 | 3.6 | 0.00 | -0.576 | -6.474951 |
| Muktainagar 132kV | 09/01/2020 12:00:00 | 49 | 12500.0 | 11272.5 | 11800.0 | 527.5 | 4.22 | 0.00 | 0.000 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 12:15:00 | 50 | 12500.0 | 11262.5 | 11840.0 | 577.5 | 4.62 | 0.00 | 3.839 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 12:30:00 | 51 | 12500.0 | 11275.0 | 11840.0 | 565.0 | 4.52 | 0.00 | 3.199 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 12:45:00 | 52 | 12500.0 | 11317.5 | 11750.0 | 432.5 | 3.46 | 0.00 | 3.199 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 13:00:00 | 53 | 12500.0 | 10897.5 | 11590.0 | 692.5 | 5.54 | 0.00 | -1.152 | -8.082996 |
| Muktainagar 132kV | 09/01/2020 13:15:00 | 54 | 12500.0 | 10535.0 | 11380.0 | 845.0 | 6.76 | 0.00 | -1.152 | -33.614806 |
| Muktainagar 132kV | 09/01/2020 13:30:00 | 55 | 12500.0 | 10447.5 | 11130.0 | 682.5 | 5.46 | 0.00 | 1.727 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 13:45:00 | 56 | 12500.0 | 10437.5 | 10790.0 | 352.5 | 2.82 | 0.00 | 3.199 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 14:00:00 | 57 | 12500.0 | 10012.5 | 10430.0 | 417.5 | 3.34 | 0.00 | 4.345 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 14:15:00 | 58 | 12500.0 | 9322.5 | 9980.0 | 657.5 | 5.26 | 0.00 | 3.941 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 14:30:00 | 59 | 12500.0 | 8900.0 | 9460.0 | 560.0 | 4.48 | 0.00 | 1.152 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 14:45:00 | 60 | 12500.0 | 8287.5 | 8960.0 | 672.5 | 5.38 | 0.00 | -0.576 | -6.440684 |
| Muktainagar 132kV | 09/01/2020 15:00:00 | 61 | 12500.0 | 7632.5 | 8360.0 | 727.5 | 5.82 | 0.00 | -1.006 | -106.855215 |
| Muktainagar 132kV | 09/01/2020 15:15:00 | 62 | 12500.0 | 6500.0 | 7690.0 | 1190.0 | 9.52 | 0.00 | 3.199 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 15:30:00 | 63 | 12500.0 | 5722.5 | 6900.0 | 1177.5 | 9.42 | 0.00 | 2.879 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 15:45:00 | 64 | 12500.0 | 5247.5 | 5880.0 | 632.5 | 5.06 | 0.00 | 3.839 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 16:00:00 | 65 | 12500.0 | 4265.0 | 4730.0 | 465.0 | 3.72 | 0.00 | 1.727 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 16:15:00 | 66 | 12500.0 | 3405.0 | 3530.0 | 125.0 | 1.0 | 0.00 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Muktainagar 132kV | 09/01/2020 16:30:00 | 67 | 12500.0 | 2570.0 | 2600.0 | 30.0 | 0.24 | 0.00 | -4.159 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 16:45:00 | 68 | 12500.0 | 1900.0 | 1910.0 | 10.0 | 0.08 | 0.00 | 3.839 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 17:00:00 | 69 | 12500.0 | 1402.5 | 1280.0 | -122.5 | 0.98 | 0.00 | 1.727 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 17:15:00 | 70 | 12500.0 | 960.0 | 590.0 | -370.0 | 2.96 | 0.00 | 3.839 | 127.174828 |
| Muktainagar 132kV | 09/01/2020 17:30:00 | 71 | 12500.0 | 492.5 | 260.0 | -232.5 | 1.86 | 0.00 | -2.879 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 17:45:00 | 72 | 12500.0 | 110.0 | 70.0 | -40.0 | 0.32 | 0.00 | -4.146 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 18:00:00 | 73 | 12500.0 | 72.5 | 0.0 | -72.5 | 0.58 | 0.00 | -3.349 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 18:15:00 | 74 | 12500.0 | 40.0 | 0.0 | -40.0 | 0.32 | 0.00 | -4.563 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 18:30:00 | 75 | 12500.0 | 25.0 | 0.0 | -25.0 | 0.2 | 0.00 | -3.839 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 18:45:00 | 76 | 12500.0 | 20.0 | 0.0 | -20.0 | 0.16 | 0.00 | -2.879 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 19:00:00 | 77 | 12500.0 | 20.0 | 0.0 | -20.0 | 0.16 | 0.00 | -3.199 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 19:15:00 | 78 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 19:30:00 | 79 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.442 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 19:45:00 | 80 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.286 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 20:00:00 | 81 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.070 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 20:15:00 | 82 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.236 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 20:30:00 | 83 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.799 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 20:45:00 | 84 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 21:00:00 | 85 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 21:15:00 | 86 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 21:30:00 | 87 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Muktainagar 132kV | 09/01/2020 21:45:00 | 88 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.303 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 22:00:00 | 89 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.795 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 22:15:00 | 90 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.674 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 22:30:00 | 91 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.303 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 22:45:00 | 92 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.152 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 23:00:00 | 93 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 23:15:00 | 94 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 23:30:00 | 95 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Muktainagar 132kV | 09/01/2020 23:45:00 | 96 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.987 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 00:00:00 | 1 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.680 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 00:15:00 | 2 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.326 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 00:30:00 | 3 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.992 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 00:45:00 | 4 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.532 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 01:00:00 | 5 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.713 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 01:15:00 | 6 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.548 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 01:30:00 | 7 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 01:45:00 | 8 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 02:00:00 | 9 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.342 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 02:15:00 | 10 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.595 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 02:30:00 | 11 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.326 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 02:45:00 | 12 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Muktainagar 132kV | 10/01/2020 03:00:00 | 13 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.658 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 03:15:00 | 14 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 03:30:00 | 15 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 03:45:00 | 16 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.063 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 04:00:00 | 17 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.595 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 04:15:00 | 18 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.326 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 04:30:00 | 19 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.326 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 04:45:00 | 20 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 05:00:00 | 21 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.992 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 05:15:00 | 22 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.063 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 05:30:00 | 23 | 12500.0 | 32.5 | 0.0 | -32.5 | 0.26 | 0.00 | -2.658 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 05:45:00 | 24 | 12500.0 | 32.5 | 0.0 | -32.5 | 0.26 | 0.00 | 2.127 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 06:00:00 | 25 | 12500.0 | 32.5 | 0.0 | -32.5 | 0.26 | 0.00 | -2.127 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 06:15:00 | 26 | 12500.0 | 35.0 | 0.0 | -35.0 | 0.28 | 0.00 | 2.658 | 8.879131 |
| Muktainagar 132kV | 10/01/2020 06:30:00 | 27 | 12500.0 | 35.0 | 0.0 | -35.0 | 0.28 | 0.00 | -2.992 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 06:45:00 | 28 | 12500.0 | 35.0 | 0.0 | -35.0 | 0.28 | 0.00 | -3.077 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 07:00:00 | 29 | 12500.0 | 40.0 | 20.0 | -20.0 | 0.16 | 0.00 | -0.687 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 07:15:00 | 30 | 12500.0 | 187.5 | 130.0 | -57.5 | 0.46 | 0.00 | -2.658 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 07:30:00 | 31 | 12500.0 | 460.0 | 370.0 | -90.0 | 0.72 | 0.00 | -1.063 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 07:45:00 | 32 | 12500.0 | 855.0 | 700.0 | -155.0 | 1.24 | 0.00 | -2.658 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 08:00:00 | 33 | 12500.0 | 1327.5 | 1070.0 | -257.5 | 2.06 | 0.00 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Muktainagar 132kV | 10/01/2020 08:15:00 | 34 | 12500.0 | 1822.5 | 1490.0 | -332.5 | 2.66 | 0.00 | -4.661 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 08:30:00 | 35 | 12500.0 | 2412.5 | 2010.0 | -402.5 | 3.22 | 0.00 | 5.663 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 08:45:00 | 36 | 12500.0 | 3300.0 | 3670.0 | 370.0 | 2.96 | 0.00 | 4.328 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 09:00:00 | 37 | 12500.0 | 4220.0 | 5180.0 | 960.0 | 7.68 | 0.00 | -4.995 | -175.073838 |
| Muktainagar 132kV | 10/01/2020 09:15:00 | 38 | 12500.0 | 5157.5 | 6240.0 | 1082.5 | 8.66 | 0.00 | -4.327 | -141.511152 |
| Muktainagar 132kV | 10/01/2020 09:30:00 | 39 | 12500.0 | 6357.5 | 7190.0 | 832.5 | 6.66 | 0.00 | -2.127 | -163.460313 |
| Muktainagar 132kV | 10/01/2020 09:45:00 | 40 | 12500.0 | 7387.5 | 8000.0 | 612.5 | 4.9 | 0.00 | -1.152 | -114.829012 |
| Muktainagar 132kV | 10/01/2020 10:00:00 | 41 | 12500.0 | 7777.5 | 8650.0 | 872.5 | 6.98 | 0.00 | 0.000 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 10:15:00 | 42 | 12500.0 | 8510.0 | 9200.0 | 690.0 | 5.52 | 0.00 | -0.532 | -21.241819 |
| Muktainagar 132kV | 10/01/2020 10:30:00 | 43 | 12500.0 | 8787.5 | 9770.0 | 982.5 | 7.86 | 0.00 | -1.063 | -58.690441 |
| Muktainagar 132kV | 10/01/2020 10:45:00 | 44 | 12500.0 | 9340.0 | 10240.0 | 900.0 | 7.2 | 0.00 | 0.000 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 11:00:00 | 45 | 12500.0 | 9890.0 | 10620.0 | 730.0 | 5.84 | 0.00 | 2.658 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 11:15:00 | 46 | 12500.0 | 10347.5 | 10950.0 | 602.5 | 4.82 | 0.00 | 0.000 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 11:30:00 | 47 | 12500.0 | 10610.0 | 11170.0 | 560.0 | 4.48 | 0.00 | -1.595 | -15.250126 |
| Muktainagar 132kV | 10/01/2020 11:45:00 | 48 | 12500.0 | 10847.5 | 11340.0 | 492.5 | 3.94 | 0.00 | 2.992 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 12:00:00 | 49 | 12500.0 | 10975.0 | 11440.0 | 465.0 | 3.72 | 0.00 | 0.000 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 12:15:00 | 50 | 12500.0 | 10950.0 | 11550.0 | 600.0 | 4.8 | 0.00 | 2.127 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 12:30:00 | 51 | 12500.0 | 10947.5 | 11560.0 | 612.5 | 4.9 | 0.00 | 1.595 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 12:45:00 | 52 | 12500.0 | 10962.5 | 11480.0 | 517.5 | 4.14 | 0.00 | -1.063 | -20.561366 |
| Muktainagar 132kV | 10/01/2020 13:00:00 | 53 | 12500.0 | 10532.5 | 11390.0 | 857.5 | 6.86 | 0.00 | 2.658 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 13:15:00 | 54 | 12500.0 | 10205.0 | 11200.0 | 995.0 | 7.96 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Muktainagar 132kV | 10/01/2020 13:30:00 | 55 | 12500.0 | 10112.5 | 10990.0 | 877.5 | 7.02 | 0.00 | 2.127 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 13:45:00 | 56 | 12500.0 | 10175.0 | 10720.0 | 545.0 | 4.36 | 0.00 | -3.326 | -22.124110 |
| Muktainagar 132kV | 10/01/2020 14:00:00 | 57 | 12500.0 | 9810.0 | 10440.0 | 630.0 | 5.04 | 0.00 | -2.992 | -2.037757 |
| Muktainagar 132kV | 10/01/2020 14:15:00 | 58 | 12500.0 | 9087.5 | 10110.0 | 1022.5 | 8.18 | 0.00 | 3.660 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 14:30:00 | 59 | 12500.0 | 8755.0 | 9670.0 | 915.0 | 7.32 | 0.00 | -2.127 | -54.600189 |
| Muktainagar 132kV | 10/01/2020 14:45:00 | 60 | 12500.0 | 8110.0 | 9120.0 | 1010.0 | 8.08 | 0.00 | -2.127 | -23.480719 |
| Muktainagar 132kV | 10/01/2020 15:00:00 | 61 | 12500.0 | 7522.5 | 8670.0 | 1147.5 | 9.18 | 0.00 | 0.000 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 15:15:00 | 62 | 12500.0 | 6370.0 | 7960.0 | 1590.0 | 12.72 | 0.00 | -2.992 | -192.847672 |
| Muktainagar 132kV | 10/01/2020 15:30:00 | 63 | 12500.0 | 5580.0 | 7120.0 | 1540.0 | 12.32 | 0.00 | -4.995 | -661.587715 |
| Muktainagar 132kV | 10/01/2020 15:45:00 | 64 | 12500.0 | 4940.0 | 6080.0 | 1140.0 | 9.12 | 0.00 | -4.327 | -308.059247 |
| Muktainagar 132kV | 10/01/2020 16:00:00 | 65 | 12500.0 | 3860.0 | 4860.0 | 1000.0 | 8.0 | 0.00 | -4.995 | -37.245525 |
| Muktainagar 132kV | 10/01/2020 16:15:00 | 66 | 12500.0 | 2932.5 | 3610.0 | 677.5 | 5.42 | 0.00 | -8.000 | -379.640128 |
| Muktainagar 132kV | 10/01/2020 16:30:00 | 67 | 12500.0 | 2107.5 | 2680.0 | 572.5 | 4.58 | 0.00 | -8.000 | -439.826729 |
| Muktainagar 132kV | 10/01/2020 16:45:00 | 68 | 12500.0 | 1547.5 | 1840.0 | 292.5 | 2.34 | 0.00 | 4.327 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 17:00:00 | 69 | 12500.0 | 1060.0 | 930.0 | -130.0 | 1.04 | 0.00 | 0.532 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 17:15:00 | 70 | 12500.0 | 660.0 | 580.0 | -80.0 | 0.64 | 0.00 | -1.595 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 17:30:00 | 71 | 12500.0 | 282.5 | 280.0 | -2.5 | 0.02 | 0.00 | -2.658 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 17:45:00 | 72 | 12500.0 | 60.0 | 80.0 | 20.0 | 0.16 | 0.00 | -2.127 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 18:00:00 | 73 | 12500.0 | 47.5 | 0.0 | -47.5 | 0.38 | 0.00 | -1.461 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 18:15:00 | 74 | 12500.0 | 37.5 | 0.0 | -37.5 | 0.3 | 0.00 | 3.326 | 13.178110 |
| Muktainagar 132kV | 10/01/2020 18:30:00 | 75 | 12500.0 | 35.0 | 0.0 | -35.0 | 0.28 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Muktainagar 132kV | 10/01/2020 18:45:00 | 76 | 12500.0 | 37.5 | 0.0 | -37.5 | 0.3 | 0.00 | 3.994 | 6.259671 |
| Muktainagar 132kV | 10/01/2020 19:00:00 | 77 | 12500.0 | 37.5 | 0.0 | -37.5 | 0.3 | 0.00 | -2.127 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 19:15:00 | 78 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 19:30:00 | 79 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.660 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 19:45:00 | 80 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.326 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 20:00:00 | 81 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.660 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 20:15:00 | 82 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.660 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 20:30:00 | 83 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.995 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 20:45:00 | 84 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.992 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 21:00:00 | 85 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.660 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 21:15:00 | 86 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.595 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 21:30:00 | 87 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.063 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 21:45:00 | 88 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.532 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 22:00:00 | 89 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.595 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 22:15:00 | 90 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.127 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 22:30:00 | 91 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.063 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 22:45:00 | 92 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 23:00:00 | 93 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 23:15:00 | 94 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 23:30:00 | 95 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Muktainagar 132kV | 10/01/2020 23:45:00 | 96 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Muktainagar 132kV | 11/01/2020 00:00:00 | 1 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 00:15:00 | 2 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.629 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 00:30:00 | 3 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.577 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 00:45:00 | 4 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.103 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 01:00:00 | 5 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 01:15:00 | 6 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.052 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 01:30:00 | 7 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.577 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 01:45:00 | 8 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.526 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 02:00:00 | 9 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.403 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 02:15:00 | 10 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.630 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 02:30:00 | 11 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.526 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 02:45:00 | 12 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.526 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 03:00:00 | 13 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.051 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 03:15:00 | 14 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 03:30:00 | 15 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 03:45:00 | 16 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 04:00:00 | 17 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 04:15:00 | 18 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.051 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 04:30:00 | 19 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.964 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 04:45:00 | 20 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.300 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 05:00:00 | 21 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Muktainagar 132kV | 11/01/2020 05:15:00 | 22 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.314 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 05:30:00 | 23 | 12500.0 | 30.0 | 0.0 | -30.0 | 0.24 | 0.00 | 2.964 | 18.163539 |
| Muktainagar 132kV | 11/01/2020 05:45:00 | 24 | 12500.0 | 30.0 | 0.0 | -30.0 | 0.24 | 0.00 | 2.103 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 06:00:00 | 25 | 12500.0 | 30.0 | 0.0 | -30.0 | 0.24 | 0.00 | 3.636 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 06:15:00 | 26 | 12500.0 | 32.5 | 0.0 | -32.5 | 0.26 | 0.00 | 2.964 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 06:30:00 | 27 | 12500.0 | 32.5 | 0.0 | -32.5 | 0.26 | 0.00 | 4.105 | 23.875529 |
| Muktainagar 132kV | 11/01/2020 06:45:00 | 28 | 12500.0 | 32.5 | 0.0 | -32.5 | 0.26 | 0.00 | 5.650 | 5.026200 |
| Muktainagar 132kV | 11/01/2020 07:00:00 | 29 | 12500.0 | 40.0 | 10.0 | -30.0 | 0.24 | 0.00 | 3.300 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 07:15:00 | 30 | 12500.0 | 210.0 | 130.0 | -80.0 | 0.64 | 0.00 | 5.314 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 07:30:00 | 31 | 12500.0 | 565.0 | 350.0 | -215.0 | 1.72 | 0.00 | 2.964 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 07:45:00 | 32 | 12500.0 | 1035.0 | 670.0 | -365.0 | 2.92 | 0.00 | 2.103 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 08:00:00 | 33 | 12500.0 | 1585.0 | 1050.0 | -535.0 | 4.28 | 0.00 | -1.577 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 08:15:00 | 34 | 12500.0 | 2185.0 | 1440.0 | -745.0 | 5.96 | 0.00 | 3.300 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 08:30:00 | 35 | 12500.0 | 2937.5 | 1950.0 | -987.5 | 7.9 | 0.00 | 2.116 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 08:45:00 | 36 | 12500.0 | 3935.0 | 2670.0 | -1265.0 | 10.12 | 0.00 | 2.964 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 09:00:00 | 37 | 12500.0 | 5032.5 | 5010.0 | -22.5 | 0.18 | 0.00 | 6.681 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 09:15:00 | 38 | 12500.0 | 6032.5 | 6020.0 | -12.5 | 0.1 | 0.00 | 6.657 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 09:30:00 | 39 | 12500.0 | 6915.0 | 6980.0 | 65.0 | 0.52 | 0.00 | -6.322 | -33.512901 |
| Muktainagar 132kV | 11/01/2020 09:45:00 | 40 | 12500.0 | 7685.0 | 7840.0 | 155.0 | 1.24 | 0.00 | -2.103 | -11.143712 |
| Muktainagar 132kV | 11/01/2020 10:00:00 | 41 | 12500.0 | 8287.5 | 8540.0 | 252.5 | 2.02 | 0.00 | 0.526 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 10:15:00 | 42 | 12500.0 | 8815.0 | 9280.0 | 465.0 | 3.72 | 0.00 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Muktainagar 132kV | 11/01/2020 10:30:00 | 43 | 12500.0 | 9357.5 | 9820.0 | 462.5 | 3.7 | 0.00 | 0.000 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 10:45:00 | 44 | 12500.0 | 9772.5 | 10360.0 | 587.5 | 4.7 | 0.00 | 0.000 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 11:00:00 | 45 | 12500.0 | 10137.5 | 10750.0 | 612.5 | 4.9 | 0.00 | 0.000 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 11:15:00 | 46 | 12500.0 | 10445.0 | 10970.0 | 525.0 | 4.2 | 0.00 | -2.964 | -59.225656 |
| Muktainagar 132kV | 11/01/2020 11:30:00 | 47 | 12500.0 | 10645.0 | 11140.0 | 495.0 | 3.96 | 0.00 | -4.307 | -121.203503 |
| Muktainagar 132kV | 11/01/2020 11:45:00 | 48 | 12500.0 | 10807.5 | 11210.0 | 402.5 | 3.22 | 0.00 | -3.300 | -56.531101 |
| Muktainagar 132kV | 11/01/2020 12:00:00 | 49 | 12500.0 | 10882.5 | 11140.0 | 257.5 | 2.06 | 0.00 | -0.526 | -1.014661 |
| Muktainagar 132kV | 11/01/2020 12:15:00 | 50 | 12500.0 | 10995.0 | 11120.0 | 125.0 | 1.0 | 0.00 | -2.103 | -0.669813 |
| Muktainagar 132kV | 11/01/2020 12:30:00 | 51 | 12500.0 | 11002.5 | 11070.0 | 67.5 | 0.54 | 0.00 | -2.629 | -4.598992 |
| Muktainagar 132kV | 11/01/2020 12:45:00 | 52 | 12500.0 | 10915.0 | 10960.0 | 45.0 | 0.36 | 0.00 | -2.629 | -5.874996 |
| Muktainagar 132kV | 11/01/2020 13:00:00 | 53 | 12500.0 | 10807.5 | 10850.0 | 42.5 | 0.34 | 0.00 | 0.000 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 13:15:00 | 54 | 12500.0 | 10642.5 | 10730.0 | 87.5 | 0.7 | 0.00 | -2.103 | -10.082571 |
| Muktainagar 132kV | 11/01/2020 13:30:00 | 55 | 12500.0 | 10422.5 | 10550.0 | 127.5 | 1.02 | 0.00 | 2.629 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 13:45:00 | 56 | 12500.0 | 10182.5 | 10240.0 | 57.5 | 0.46 | 0.00 | 2.103 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 14:00:00 | 57 | 12500.0 | 9902.5 | 9860.0 | -42.5 | 0.34 | 0.00 | 1.051 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 14:15:00 | 58 | 12500.0 | 9580.0 | 9520.0 | -60.0 | 0.48 | 0.00 | 3.300 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 14:30:00 | 59 | 12500.0 | 9145.0 | 9150.0 | 5.0 | 0.04 | 0.00 | -3.636 | -0.438732 |
| Muktainagar 132kV | 11/01/2020 14:45:00 | 60 | 12500.0 | 8642.5 | 8640.0 | -2.5 | 0.02 | 0.00 | 4.979 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 15:00:00 | 61 | 12500.0 | 8170.0 | 8070.0 | -100.0 | 0.8 | 0.00 | -2.964 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 15:15:00 | 62 | 12500.0 | 7492.5 | 7380.0 | -112.5 | 0.9 | 0.00 | -5.314 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 15:30:00 | 63 | 12500.0 | 6682.5 | 6610.0 | -72.5 | 0.58 | 0.00 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Muktainagar 132kV | 11/01/2020 15:45:00 | 64 | 12500.0 | 5675.0 | 5700.0 | 25.0 | 0.2 | 0.00 | 4.643 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 16:00:00 | 65 | 12500.0 | 4492.5 | 4600.0 | 107.5 | 0.86 | 0.00 | 2.103 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 16:15:00 | 66 | 12500.0 | 3322.5 | 3440.0 | 117.5 | 0.94 | 0.00 | -2.964 | -12.481847 |
| Muktainagar 132kV | 11/01/2020 16:30:00 | 67 | 12500.0 | 2475.0 | 2520.0 | 45.0 | 0.36 | 0.00 | -2.103 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 16:45:00 | 68 | 12500.0 | 1827.5 | 1460.0 | -367.5 | 2.94 | 0.00 | 3.972 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 17:00:00 | 69 | 12500.0 | 1277.5 | 870.0 | -407.5 | 3.26 | 0.00 | -1.577 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 17:15:00 | 70 | 12500.0 | 782.5 | 540.0 | -242.5 | 1.94 | 0.00 | -1.577 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 17:30:00 | 71 | 12500.0 | 362.5 | 260.0 | -102.5 | 0.82 | 0.00 | 1.051 | 1.307833 |
| Muktainagar 132kV | 11/01/2020 17:45:00 | 72 | 12500.0 | 90.0 | 70.0 | -20.0 | 0.16 | 0.00 | -2.103 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 18:00:00 | 73 | 12500.0 | 35.0 | 10.0 | -25.0 | 0.2 | 0.00 | -2.964 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 18:15:00 | 74 | 12500.0 | 40.0 | 0.0 | -40.0 | 0.32 | 0.00 | -2.629 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 18:30:00 | 75 | 12500.0 | 35.0 | 0.0 | -35.0 | 0.28 | 0.00 | 2.103 | 1.230339 |
| Muktainagar 132kV | 11/01/2020 18:45:00 | 76 | 12500.0 | 35.0 | 0.0 | -35.0 | 0.28 | 0.00 | 0.526 | 3.602438 |
| Muktainagar 132kV | 11/01/2020 19:00:00 | 77 | 12500.0 | 35.0 | 0.0 | -35.0 | 0.28 | 0.00 | 2.103 | 14.307860 |
| Muktainagar 132kV | 11/01/2020 19:15:00 | 78 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.052 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 19:30:00 | 79 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 19:45:00 | 80 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.629 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 20:00:00 | 81 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.629 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 20:15:00 | 82 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.307 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 20:30:00 | 83 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 20:45:00 | 84 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.629 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Muktainagar 132kV | 11/01/2020 21:00:00 | 85 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.636 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 21:15:00 | 86 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.577 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 21:30:00 | 87 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.577 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 21:45:00 | 88 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.052 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 22:00:00 | 89 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.650 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 22:15:00 | 90 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.650 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 22:30:00 | 91 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.979 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 22:45:00 | 92 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 23:00:00 | 93 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.577 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 23:15:00 | 94 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.074 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 23:30:00 | 95 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.113 | 0.000000 |
| Muktainagar 132kV | 11/01/2020 23:45:00 | 96 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.162 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 00:00:00 | 1 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 00:15:00 | 2 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 00:30:00 | 3 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 00:45:00 | 4 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 01:00:00 | 5 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.629 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 01:15:00 | 6 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.317 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 01:30:00 | 7 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.354 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 01:45:00 | 8 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 02:00:00 | 9 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Muktainagar 132kV | 12/01/2020 02:15:00 | 10 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 02:30:00 | 11 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.690 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 02:45:00 | 12 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 03:00:00 | 13 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.354 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 03:15:00 | 14 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 03:30:00 | 15 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.354 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 03:45:00 | 16 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 04:00:00 | 17 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 04:15:00 | 18 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 04:30:00 | 19 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.076 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 04:45:00 | 20 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 05:00:00 | 21 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.686 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 05:15:00 | 22 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.686 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 05:30:00 | 23 | 12500.0 | 30.0 | 0.0 | -30.0 | 0.24 | 0.00 | -1.614 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 05:45:00 | 24 | 12500.0 | 30.0 | 0.0 | -30.0 | 0.24 | 0.00 | -0.496 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 06:00:00 | 25 | 12500.0 | 30.0 | 0.0 | -30.0 | 0.24 | 0.00 | 0.000 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 06:15:00 | 26 | 12500.0 | 32.5 | 0.0 | -32.5 | 0.26 | 0.00 | -0.430 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 06:30:00 | 27 | 12500.0 | 32.5 | 0.0 | -32.5 | 0.26 | 0.00 | -2.152 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 06:45:00 | 28 | 12500.0 | 32.5 | 0.0 | -32.5 | 0.26 | 0.00 | 4.681 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 07:00:00 | 29 | 12500.0 | 40.0 | 10.0 | -30.0 | 0.24 | 0.00 | 1.614 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 07:15:00 | 30 | 12500.0 | 210.0 | 120.0 | -90.0 | 0.72 | 0.00 | 3.838 | 74.489092 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Muktainagar 132kV | 12/01/2020 07:30:00 | 31 | 12500.0 | 565.0 | 340.0 | -225.0 | 1.8 | 0.00 | 3.022 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 07:45:00 | 32 | 12500.0 | 1035.0 | 640.0 | -395.0 | 3.16 | 0.00 | 2.690 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 08:00:00 | 33 | 12500.0 | 1585.0 | 980.0 | -605.0 | 4.84 | 0.00 | -2.690 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 08:15:00 | 34 | 12500.0 | 2185.0 | 1370.0 | -815.0 | 6.52 | 0.00 | -4.018 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 08:30:00 | 35 | 12500.0 | 2937.5 | 1860.0 | -1077.5 | 8.62 | 0.00 | -2.690 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 08:45:00 | 36 | 12500.0 | 3935.0 | 2430.0 | -1505.0 | 12.04 | 0.00 | 3.022 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 09:00:00 | 37 | 12500.0 | 5032.5 | 3690.0 | -1342.5 | 10.74 | 0.00 | -3.354 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 09:15:00 | 38 | 12500.0 | 6032.5 | 5760.0 | -272.5 | 2.18 | 0.00 | -4.350 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 09:30:00 | 39 | 12500.0 | 6915.0 | 6580.0 | -335.0 | 2.68 | 0.00 | 2.152 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 09:45:00 | 40 | 12500.0 | 7685.0 | 7370.0 | -315.0 | 2.52 | 0.00 | -2.690 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 10:00:00 | 41 | 12500.0 | 8287.5 | 8020.0 | -267.5 | 2.14 | 0.00 | -3.354 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 10:15:00 | 42 | 12500.0 | 8815.0 | 8640.0 | -175.0 | 1.4 | 0.00 | -3.686 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 10:30:00 | 43 | 12500.0 | 9357.5 | 9130.0 | -227.5 | 1.82 | 0.00 | -1.614 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 10:45:00 | 44 | 12500.0 | 9772.5 | 9580.0 | -192.5 | 1.54 | 0.00 | 3.686 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 11:00:00 | 45 | 12500.0 | 10137.5 | 9980.0 | -157.5 | 1.26 | 0.00 | -3.354 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 11:15:00 | 46 | 12500.0 | 10445.0 | 10350.0 | -95.0 | 0.76 | 0.00 | -5.450 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 11:30:00 | 47 | 12500.0 | 10645.0 | 10570.0 | -75.0 | 0.6 | 0.00 | -6.009 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 11:45:00 | 48 | 12500.0 | 10807.5 | 10740.0 | -67.5 | 0.54 | 0.00 | 2.690 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 12:00:00 | 49 | 12500.0 | 10882.5 | 10860.0 | -22.5 | 0.18 | 0.00 | 3.686 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 12:15:00 | 50 | 12500.0 | 10995.0 | 10940.0 | -55.0 | 0.44 | 0.00 | -5.345 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 12:30:00 | 51 | 12500.0 | 11002.5 | 10940.0 | -62.5 | 0.5 | 0.00 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Muktainagar 132kV | 12/01/2020 12:45:00 | 52 | 12500.0 | 10915.0 | 10880.0 | -35.0 | 0.28 | 0.00 | -5.345 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 13:00:00 | 53 | 12500.0 | 10807.5 | 10790.0 | -17.5 | 0.14 | 0.00 | -3.999 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 13:15:00 | 54 | 12500.0 | 10642.5 | 10600.0 | -42.5 | 0.34 | 0.00 | -4.350 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 13:30:00 | 55 | 12500.0 | 10422.5 | 10340.0 | -82.5 | 0.66 | 0.00 | -1.076 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 13:45:00 | 56 | 12500.0 | 10182.5 | 10060.0 | -122.5 | 0.98 | 0.00 | -2.690 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 14:00:00 | 57 | 12500.0 | 9902.5 | 9720.0 | -182.5 | 1.46 | 0.00 | -0.538 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 14:15:00 | 58 | 12500.0 | 9580.0 | 9290.0 | -290.0 | 2.32 | 0.00 | -2.152 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 14:30:00 | 59 | 12500.0 | 9145.0 | 8830.0 | -315.0 | 2.52 | 0.00 | -2.690 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 14:45:00 | 60 | 12500.0 | 8642.5 | 8330.0 | -312.5 | 2.5 | 0.00 | -1.076 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 15:00:00 | 61 | 12500.0 | 8170.0 | 7780.0 | -390.0 | 3.12 | 0.00 | 0.000 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 15:15:00 | 62 | 12500.0 | 7492.5 | 7150.0 | -342.5 | 2.74 | 0.00 | -2.690 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 15:30:00 | 63 | 12500.0 | 6682.5 | 6390.0 | -292.5 | 2.34 | 0.00 | -3.022 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 15:45:00 | 64 | 12500.0 | 5675.0 | 5570.0 | -105.0 | 0.84 | 0.00 | -3.686 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 16:00:00 | 65 | 12500.0 | 4492.5 | 4550.0 | 57.5 | 0.46 | 0.00 | -3.737 | -48.968379 |
| Muktainagar 132kV | 12/01/2020 16:15:00 | 66 | 12500.0 | 3322.5 | 3400.0 | 77.5 | 0.62 | 0.00 | -5.786 | -102.291967 |
| Muktainagar 132kV | 12/01/2020 16:30:00 | 67 | 12500.0 | 2475.0 | 2460.0 | -15.0 | 0.12 | 0.00 | -4.350 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 16:45:00 | 68 | 12500.0 | 1827.5 | 1480.0 | -347.5 | 2.78 | 0.00 | -1.614 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 17:00:00 | 69 | 12500.0 | 1277.5 | 850.0 | -427.5 | 3.42 | 0.00 | 0.000 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 17:15:00 | 70 | 12500.0 | 782.5 | 530.0 | -252.5 | 2.02 | 0.00 | 2.690 | 65.461591 |
| Muktainagar 132kV | 12/01/2020 17:30:00 | 71 | 12500.0 | 362.5 | 250.0 | -112.5 | 0.9 | 0.00 | -3.022 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 17:45:00 | 72 | 12500.0 | 90.0 | 70.0 | -20.0 | 0.16 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Muktainagar 132kV | 12/01/2020 18:00:00 | 73 | 12500.0 | 35.0 | 0.0 | -35.0 | 0.28 | 0.00 | -0.538 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 18:15:00 | 74 | 12500.0 | 40.0 | 0.0 | -40.0 | 0.32 | 0.00 | -4.350 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 18:30:00 | 75 | 12500.0 | 35.0 | 0.0 | -35.0 | 0.28 | 0.00 | 2.690 | 6.018769 |
| Muktainagar 132kV | 12/01/2020 18:45:00 | 76 | 12500.0 | 35.0 | 0.0 | -35.0 | 0.28 | 0.00 | 3.022 | 38.775251 |
| Muktainagar 132kV | 12/01/2020 19:00:00 | 77 | 12500.0 | 35.0 | 0.0 | -35.0 | 0.28 | 0.00 | 3.686 | 12.455020 |
| Muktainagar 132kV | 12/01/2020 19:15:00 | 78 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.690 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 19:30:00 | 79 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 19:45:00 | 80 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.781 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 20:00:00 | 81 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.021 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 20:15:00 | 82 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.018 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 20:30:00 | 83 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.354 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 20:45:00 | 84 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.614 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 21:00:00 | 85 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.350 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 21:15:00 | 86 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.686 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 21:30:00 | 87 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.614 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 21:45:00 | 88 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 22:00:00 | 89 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.354 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 22:15:00 | 90 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.350 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 22:30:00 | 91 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.215 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 22:45:00 | 92 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 23:00:00 | 93 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Muktainagar 132kV | 12/01/2020 23:15:00 | 94 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 23:30:00 | 95 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Muktainagar 132kV | 12/01/2020 23:45:00 | 96 | 12500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Mulawa 33kV | 06/01/2020 00:00:00 | 1 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | 2.903 | 0.000000 |
| Mulawa 33kV | 06/01/2020 00:15:00 | 2 | 2250.0 | 307.5 | 0.0 | -307.5 | 13.67 | 0.00 | 0.000 | 0.000000 |
| Mulawa 33kV | 06/01/2020 00:30:00 | 3 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | 0.000 | 0.000000 |
| Mulawa 33kV | 06/01/2020 00:45:00 | 4 | 2250.0 | 310.0 | 0.0 | -310.0 | 13.78 | 0.00 | -0.984 | 0.000000 |
| Mulawa 33kV | 06/01/2020 01:00:00 | 5 | 2250.0 | 267.5 | 0.0 | -267.5 | 11.89 | 0.00 | -3.541 | 0.000000 |
| Mulawa 33kV | 06/01/2020 01:15:00 | 6 | 2250.0 | 280.0 | 0.0 | -280.0 | 12.44 | 0.00 | 3.222 | 6.722176 |
| Mulawa 33kV | 06/01/2020 01:30:00 | 7 | 2250.0 | 252.5 | 0.0 | -252.5 | 11.22 | 0.00 | 3.541 | 68.145276 |
| Mulawa 33kV | 06/01/2020 01:45:00 | 8 | 2250.0 | 297.5 | 0.0 | -297.5 | 13.22 | 0.00 | 2.352 | 0.000000 |
| Mulawa 33kV | 06/01/2020 02:00:00 | 9 | 2250.0 | 237.5 | 0.0 | -237.5 | 10.56 | 0.00 | 1.747 | 0.000000 |
| Mulawa 33kV | 06/01/2020 02:15:00 | 10 | 2250.0 | 230.0 | 0.0 | -230.0 | 10.22 | 0.00 | 0.581 | 0.000000 |
| Mulawa 33kV | 06/01/2020 02:30:00 | 11 | 2250.0 | 152.5 | 0.0 | -152.5 | 6.78 | 0.00 | -2.323 | 0.000000 |
| Mulawa 33kV | 06/01/2020 02:45:00 | 12 | 2250.0 | 187.5 | 0.0 | -187.5 | 8.33 | 0.00 | 2.323 | 0.000000 |
| Mulawa 33kV | 06/01/2020 03:00:00 | 13 | 2250.0 | 252.5 | 0.0 | -252.5 | 11.22 | 0.00 | 2.323 | 0.000000 |
| Mulawa 33kV | 06/01/2020 03:15:00 | 14 | 2250.0 | 292.5 | 0.0 | -292.5 | 13.0 | 0.00 | -1.742 | 0.000000 |
| Mulawa 33kV | 06/01/2020 03:30:00 | 15 | 2250.0 | 115.0 | 0.0 | -115.0 | 5.11 | 0.00 | 3.222 | 0.000000 |
| Mulawa 33kV | 06/01/2020 03:45:00 | 16 | 2250.0 | 180.0 | 0.0 | -180.0 | 8.0 | 0.00 | 3.541 | 0.000000 |
| Mulawa 33kV | 06/01/2020 04:00:00 | 17 | 2250.0 | 147.5 | 0.0 | -147.5 | 6.56 | 0.00 | 4.496 | 0.000000 |
| Mulawa 33kV | 06/01/2020 04:15:00 | 18 | 2250.0 | 187.5 | 0.0 | -187.5 | 8.33 | 0.00 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mulawa 33kV | 06/01/2020 04:30:00 | 19 | 2250.0 | 292.5 | 0.0 | -292.5 | 13.0 | 0.00 | 3.859 | 0.000000 |
| Mulawa 33kV | 06/01/2020 04:45:00 | 20 | 2250.0 | 265.0 | 0.0 | -265.0 | 11.78 | 0.00 | 4.815 | 0.000000 |
| Mulawa 33kV | 06/01/2020 05:00:00 | 21 | 2250.0 | 225.0 | 0.0 | -225.0 | 10.0 | 0.00 | 3.859 | 98.680676 |
| Mulawa 33kV | 06/01/2020 05:15:00 | 22 | 2250.0 | 155.0 | 0.0 | -155.0 | 6.89 | 0.00 | 6.407 | 122.726536 |
| Mulawa 33kV | 06/01/2020 05:30:00 | 23 | 2250.0 | 282.5 | 0.0 | -282.5 | 12.56 | 0.00 | 6.496 | 331.137610 |
| Mulawa 33kV | 06/01/2020 05:45:00 | 24 | 2250.0 | 162.5 | 0.0 | -162.5 | 7.22 | 0.00 | 7.492 | 102.935790 |
| Mulawa 33kV | 06/01/2020 06:00:00 | 25 | 2250.0 | 155.0 | 0.0 | -155.0 | 6.89 | 0.00 | -5.452 | 0.000000 |
| Mulawa 33kV | 06/01/2020 06:15:00 | 26 | 2250.0 | 170.0 | 0.0 | -170.0 | 7.56 | 0.00 | -6.089 | 0.000000 |
| Mulawa 33kV | 06/01/2020 06:30:00 | 27 | 2250.0 | 227.5 | 0.0 | -227.5 | 10.11 | 0.00 | -7.044 | 0.000000 |
| Mulawa 33kV | 06/01/2020 06:45:00 | 28 | 2250.0 | 197.5 | 0.0 | -197.5 | 8.78 | 0.00 | 7.682 | 0.000000 |
| Mulawa 33kV | 06/01/2020 07:00:00 | 29 | 2250.0 | 220.0 | 0.0 | -220.0 | 9.78 | 0.00 | -3.859 | 0.000000 |
| Mulawa 33kV | 06/01/2020 07:15:00 | 30 | 2250.0 | 160.0 | 0.0 | -160.0 | 7.11 | 0.00 | 4.815 | 79.442886 |
| Mulawa 33kV | 06/01/2020 07:30:00 | 31 | 2250.0 | 272.5 | 0.0 | -272.5 | 12.11 | 0.00 | 4.178 | 0.000000 |
| Mulawa 33kV | 06/01/2020 07:45:00 | 32 | 2250.0 | 262.5 | 0.0 | -262.5 | 11.67 | 0.00 | -3.540 | 0.000000 |
| Mulawa 33kV | 06/01/2020 08:00:00 | 33 | 2250.0 | 232.5 | 0.0 | -232.5 | 10.33 | 0.00 | -3.859 | 0.000000 |
| Mulawa 33kV | 06/01/2020 08:15:00 | 34 | 2250.0 | 180.0 | 0.0 | -180.0 | 8.0 | 0.00 | -5.452 | 0.000000 |
| Mulawa 33kV | 06/01/2020 08:30:00 | 35 | 2250.0 | 307.5 | 0.0 | -307.5 | 13.67 | 0.00 | 4.178 | 0.000000 |
| Mulawa 33kV | 06/01/2020 08:45:00 | 36 | 2250.0 | 165.0 | 0.0 | -165.0 | 7.33 | 0.00 | -3.859 | 0.000000 |
| Mulawa 33kV | 06/01/2020 09:00:00 | 37 | 2250.0 | 152.5 | 0.0 | -152.5 | 6.78 | 0.00 | -6.407 | 0.000000 |
| Mulawa 33kV | 06/01/2020 09:15:00 | 38 | 2250.0 | 200.0 | 0.0 | -200.0 | 8.89 | 0.00 | -8.000 | 0.000000 |
| Mulawa 33kV | 06/01/2020 09:30:00 | 39 | 2250.0 | 155.0 | 0.0 | -155.0 | 6.89 | 0.00 | -5.770 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mulawa 33kV | 06/01/2020 09:45:00 | 40 | 2250.0 | 285.0 | 0.0 | -285.0 | 12.67 | 0.00 | 3.222 | 0.000000 |
| Mulawa 33kV | 06/01/2020 10:00:00 | 41 | 2250.0 | 262.5 | 0.0 | -262.5 | 11.67 | 0.00 | -2.903 | 0.000000 |
| Mulawa 33kV | 06/01/2020 10:15:00 | 42 | 2250.0 | 207.5 | 0.0 | -207.5 | 9.22 | 0.00 | -3.222 | 0.000000 |
| Mulawa 33kV | 06/01/2020 10:30:00 | 43 | 2250.0 | 142.5 | 0.0 | -142.5 | 6.33 | 0.00 | 4.815 | 0.000000 |
| Mulawa 33kV | 06/01/2020 10:45:00 | 44 | 2250.0 | 335.0 | 0.0 | -335.0 | 14.89 | 0.00 | 4.496 | 0.000000 |
| Mulawa 33kV | 06/01/2020 11:00:00 | 45 | 2250.0 | 192.5 | 0.0 | -192.5 | 8.56 | 0.00 | 16.000 | 0.000000 |
| Mulawa 33kV | 06/01/2020 11:15:00 | 46 | 2250.0 | 305.0 | 0.0 | -305.0 | 13.56 | 0.00 | 5.133 | 0.000000 |
| Mulawa 33kV | 06/01/2020 11:30:00 | 47 | 2250.0 | 305.0 | 0.0 | -305.0 | 13.56 | 0.00 | 1.182 | 0.000000 |
| Mulawa 33kV | 06/01/2020 11:45:00 | 48 | 2250.0 | 222.5 | 0.0 | -222.5 | 9.89 | 0.00 | 6.308 | 0.000000 |
| Mulawa 33kV | 06/01/2020 12:00:00 | 49 | 2250.0 | 247.5 | 0.0 | -247.5 | 11.0 | 0.00 | 6.598 | 0.000000 |
| Mulawa 33kV | 06/01/2020 12:15:00 | 50 | 2250.0 | 255.0 | 0.0 | -255.0 | 11.33 | 0.00 | 5.431 | 0.000000 |
| Mulawa 33kV | 06/01/2020 12:30:00 | 51 | 2250.0 | 262.5 | 0.0 | -262.5 | 11.67 | 0.00 | 3.540 | 0.000000 |
| Mulawa 33kV | 06/01/2020 12:45:00 | 52 | 2250.0 | 290.0 | 0.0 | -290.0 | 12.89 | 0.00 | -2.903 | 0.000000 |
| Mulawa 33kV | 06/01/2020 13:00:00 | 53 | 2250.0 | 240.0 | 0.0 | -240.0 | 10.67 | 0.00 | -1.161 | 0.000000 |
| Mulawa 33kV | 06/01/2020 13:15:00 | 54 | 2250.0 | 262.5 | 0.0 | -262.5 | 11.67 | 0.00 | 3.859 | 0.000000 |
| Mulawa 33kV | 06/01/2020 13:30:00 | 55 | 2250.0 | 150.0 | 0.0 | -150.0 | 6.67 | 0.00 | -6.407 | 0.000000 |
| Mulawa 33kV | 06/01/2020 13:45:00 | 56 | 2250.0 | 155.0 | 0.0 | -155.0 | 6.89 | 0.00 | 5.452 | 0.000000 |
| Mulawa 33kV | 06/01/2020 14:00:00 | 57 | 2250.0 | 192.5 | 0.0 | -192.5 | 8.56 | 0.00 | 5.452 | 0.000000 |
| Mulawa 33kV | 06/01/2020 14:15:00 | 58 | 2250.0 | 247.5 | 0.0 | -247.5 | 11.0 | 0.00 | 16.000 | 0.000000 |
| Mulawa 33kV | 06/01/2020 14:30:00 | 59 | 2250.0 | 310.0 | 0.0 | -310.0 | 13.78 | 0.00 | 6.035 | 0.000000 |
| Mulawa 33kV | 06/01/2020 14:45:00 | 60 | 2250.0 | 120.0 | 0.0 | -120.0 | 5.33 | 0.00 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mulawa 33kV | 06/01/2020 15:00:00 | 61 | 2250.0 | 247.5 | 0.0 | -247.5 | 11.0 | 0.00 | 3.367 | 0.000000 |
| Mulawa 33kV | 06/01/2020 15:15:00 | 62 | 2250.0 | 190.0 | 0.0 | -190.0 | 8.44 | 0.00 | 3.904 | 0.000000 |
| Mulawa 33kV | 06/01/2020 15:30:00 | 63 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | 4.482 | 0.000000 |
| Mulawa 33kV | 06/01/2020 15:45:00 | 64 | 2250.0 | 197.5 | 0.0 | -197.5 | 8.78 | 0.00 | 4.225 | 0.000000 |
| Mulawa 33kV | 06/01/2020 16:00:00 | 65 | 2250.0 | 180.0 | 0.0 | -180.0 | 8.0 | 0.00 | 2.895 | 0.000000 |
| Mulawa 33kV | 06/01/2020 16:15:00 | 66 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | 6.089 | 0.000000 |
| Mulawa 33kV | 06/01/2020 16:30:00 | 67 | 2250.0 | 315.0 | 0.0 | -315.0 | 14.0 | 0.00 | -8.000 | 0.000000 |
| Mulawa 33kV | 06/01/2020 16:45:00 | 68 | 2250.0 | 265.0 | 0.0 | -265.0 | 11.78 | 0.00 | -4.178 | 0.000000 |
| Mulawa 33kV | 06/01/2020 17:00:00 | 69 | 2250.0 | 190.0 | 0.0 | -190.0 | 8.44 | 0.00 | 1.742 | 0.000000 |
| Mulawa 33kV | 06/01/2020 17:15:00 | 70 | 2250.0 | 242.5 | 0.0 | -242.5 | 10.78 | 0.00 | 2.903 | 0.000000 |
| Mulawa 33kV | 06/01/2020 17:30:00 | 71 | 2250.0 | 245.0 | 0.0 | -245.0 | 10.89 | 0.00 | -4.178 | 0.000000 |
| Mulawa 33kV | 06/01/2020 17:45:00 | 72 | 2250.0 | 280.0 | 0.0 | -280.0 | 12.44 | 0.00 | -2.323 | 0.000000 |
| Mulawa 33kV | 06/01/2020 18:00:00 | 73 | 2250.0 | 322.5 | 0.0 | -322.5 | 14.33 | 0.00 | -2.903 | 0.000000 |
| Mulawa 33kV | 06/01/2020 18:15:00 | 74 | 2250.0 | 267.5 | 0.0 | -267.5 | 11.89 | 0.00 | 1.161 | 69.565907 |
| Mulawa 33kV | 06/01/2020 18:30:00 | 75 | 2250.0 | 275.0 | 0.0 | -275.0 | 12.22 | 0.00 | 2.903 | 234.226782 |
| Mulawa 33kV | 06/01/2020 18:45:00 | 76 | 2250.0 | 125.0 | 0.0 | -125.0 | 5.56 | 0.00 | 2.903 | 2.520402 |
| Mulawa 33kV | 06/01/2020 19:00:00 | 77 | 2250.0 | 290.0 | 0.0 | -290.0 | 12.89 | 0.00 | -1.161 | 0.000000 |
| Mulawa 33kV | 06/01/2020 19:15:00 | 78 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -4.178 | 0.000000 |
| Mulawa 33kV | 06/01/2020 19:30:00 | 79 | 2250.0 | 180.0 | 0.0 | -180.0 | 8.0 | 0.00 | -2.323 | 0.000000 |
| Mulawa 33kV | 06/01/2020 19:45:00 | 80 | 2250.0 | 147.5 | 0.0 | -147.5 | 6.56 | 0.00 | -4.178 | 0.000000 |
| Mulawa 33kV | 06/01/2020 20:00:00 | 81 | 2250.0 | 242.5 | 0.0 | -242.5 | 10.78 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mulawa 33kV | 06/01/2020 20:15:00 | 82 | 2250.0 | 212.5 | 0.0 | -212.5 | 9.44 | 0.00 | -5.770 | 0.000000 |
| Mulawa 33kV | 06/01/2020 20:30:00 | 83 | 2250.0 | 235.0 | 0.0 | -235.0 | 10.44 | 0.00 | 5.770 | 32.019499 |
| Mulawa 33kV | 06/01/2020 20:45:00 | 84 | 2250.0 | 297.5 | 0.0 | -297.5 | 13.22 | 0.00 | 4.178 | 123.032140 |
| Mulawa 33kV | 06/01/2020 21:00:00 | 85 | 2250.0 | 237.5 | 0.0 | -237.5 | 10.56 | 0.00 | 3.222 | 51.959653 |
| Mulawa 33kV | 06/01/2020 21:15:00 | 86 | 2250.0 | 255.0 | 0.0 | -255.0 | 11.33 | 0.00 | -1.742 | 0.000000 |
| Mulawa 33kV | 06/01/2020 21:30:00 | 87 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | 0.000 | 0.000000 |
| Mulawa 33kV | 06/01/2020 21:45:00 | 88 | 2250.0 | 227.5 | 0.0 | -227.5 | 10.11 | 0.00 | 1.161 | 0.000000 |
| Mulawa 33kV | 06/01/2020 22:00:00 | 89 | 2250.0 | 255.0 | 0.0 | -255.0 | 11.33 | 0.00 | 4.815 | 149.309380 |
| Mulawa 33kV | 06/01/2020 22:15:00 | 90 | 2250.0 | 285.0 | 0.0 | -285.0 | 12.67 | 0.00 | 3.859 | 172.168823 |
| Mulawa 33kV | 06/01/2020 22:30:00 | 91 | 2250.0 | 207.5 | 0.0 | -207.5 | 9.22 | 0.00 | 1.742 | 0.000000 |
| Mulawa 33kV | 06/01/2020 22:45:00 | 92 | 2250.0 | 245.0 | 0.0 | -245.0 | 10.89 | 0.00 | -2.323 | 0.000000 |
| Mulawa 33kV | 06/01/2020 23:00:00 | 93 | 2250.0 | 190.0 | 0.0 | -190.0 | 8.44 | 0.00 | -2.903 | 0.000000 |
| Mulawa 33kV | 06/01/2020 23:15:00 | 94 | 2250.0 | 255.0 | 0.0 | -255.0 | 11.33 | 0.00 | 2.323 | 0.000000 |
| Mulawa 33kV | 06/01/2020 23:30:00 | 95 | 2250.0 | 210.0 | 0.0 | -210.0 | 9.33 | 0.00 | -3.222 | 0.000000 |
| Mulawa 33kV | 06/01/2020 23:45:00 | 96 | 2250.0 | 337.5 | 0.0 | -337.5 | 15.0 | 0.00 | 2.323 | 0.000000 |
| Mulawa 33kV | 07/01/2020 00:00:00 | 1 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | -0.549 | 0.000000 |
| Mulawa 33kV | 07/01/2020 00:15:00 | 2 | 2250.0 | 307.5 | 0.0 | -307.5 | 13.67 | 0.00 | -1.647 | 0.000000 |
| Mulawa 33kV | 07/01/2020 00:30:00 | 3 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | -3.073 | 0.000000 |
| Mulawa 33kV | 07/01/2020 00:45:00 | 4 | 2250.0 | 310.0 | 0.0 | -310.0 | 13.78 | 0.00 | -2.744 | 0.000000 |
| Mulawa 33kV | 07/01/2020 01:00:00 | 5 | 2250.0 | 267.5 | 0.0 | -267.5 | 11.89 | 0.00 | -4.058 | 0.000000 |
| Mulawa 33kV | 07/01/2020 01:15:00 | 6 | 2250.0 | 280.0 | 0.0 | -280.0 | 12.44 | 0.00 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mulawa 33kV | 07/01/2020 01:30:00 | 7 | 2250.0 | 252.5 | 0.0 | -252.5 | 11.22 | 0.00 | -3.401 | 0.000000 |
| Mulawa 33kV | 07/01/2020 01:45:00 | 8 | 2250.0 | 297.5 | 0.0 | -297.5 | 13.22 | 0.00 | 3.730 | 0.000000 |
| Mulawa 33kV | 07/01/2020 02:00:00 | 9 | 2250.0 | 237.5 | 0.0 | -237.5 | 10.56 | 0.00 | 3.073 | 51.705507 |
| Mulawa 33kV | 07/01/2020 02:15:00 | 10 | 2250.0 | 230.0 | 0.0 | -230.0 | 10.22 | 0.00 | 3.073 | 22.390425 |
| Mulawa 33kV | 07/01/2020 02:30:00 | 11 | 2250.0 | 152.5 | 0.0 | -152.5 | 6.78 | 0.00 | 3.401 | 20.764718 |
| Mulawa 33kV | 07/01/2020 02:45:00 | 12 | 2250.0 | 187.5 | 0.0 | -187.5 | 8.33 | 0.00 | 2.745 | 25.463688 |
| Mulawa 33kV | 07/01/2020 03:00:00 | 13 | 2250.0 | 252.5 | 0.0 | -252.5 | 11.22 | 0.00 | 1.647 | 0.000000 |
| Mulawa 33kV | 07/01/2020 03:15:00 | 14 | 2250.0 | 292.5 | 0.0 | -292.5 | 13.0 | 0.00 | 2.196 | 18.764659 |
| Mulawa 33kV | 07/01/2020 03:30:00 | 15 | 2250.0 | 115.0 | 0.0 | -115.0 | 5.11 | 0.00 | 1.647 | 9.815329 |
| Mulawa 33kV | 07/01/2020 03:45:00 | 16 | 2250.0 | 180.0 | 0.0 | -180.0 | 8.0 | 0.00 | 1.098 | 0.000000 |
| Mulawa 33kV | 07/01/2020 04:00:00 | 17 | 2250.0 | 147.5 | 0.0 | -147.5 | 6.56 | 0.00 | 1.647 | 54.014490 |
| Mulawa 33kV | 07/01/2020 04:15:00 | 18 | 2250.0 | 187.5 | 0.0 | -187.5 | 8.33 | 0.00 | 2.210 | 134.242112 |
| Mulawa 33kV | 07/01/2020 04:30:00 | 19 | 2250.0 | 292.5 | 0.0 | -292.5 | 13.0 | 0.00 | 3.730 | 295.715078 |
| Mulawa 33kV | 07/01/2020 04:45:00 | 20 | 2250.0 | 265.0 | 0.0 | -265.0 | 11.78 | 0.00 | -1.098 | 0.000000 |
| Mulawa 33kV | 07/01/2020 05:00:00 | 21 | 2250.0 | 225.0 | 0.0 | -225.0 | 10.0 | 0.00 | -2.744 | 0.000000 |
| Mulawa 33kV | 07/01/2020 05:15:00 | 22 | 2250.0 | 155.0 | 0.0 | -155.0 | 6.89 | 0.00 | 3.730 | 79.626339 |
| Mulawa 33kV | 07/01/2020 05:30:00 | 23 | 2250.0 | 282.5 | 0.0 | -282.5 | 12.56 | 0.00 | 3.073 | 326.033359 |
| Mulawa 33kV | 07/01/2020 05:45:00 | 24 | 2250.0 | 162.5 | 0.0 | -162.5 | 7.22 | 0.00 | 3.730 | 145.691023 |
| Mulawa 33kV | 07/01/2020 06:00:00 | 25 | 2250.0 | 155.0 | 0.0 | -155.0 | 6.89 | 0.00 | -5.372 | 0.000000 |
| Mulawa 33kV | 07/01/2020 06:15:00 | 26 | 2250.0 | 170.0 | 0.0 | -170.0 | 7.56 | 0.00 | 4.556 | 566.456687 |
| Mulawa 33kV | 07/01/2020 06:30:00 | 27 | 2250.0 | 227.5 | 0.0 | -227.5 | 10.11 | 0.00 | 7.148 | 1312.490482 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mulawa 33kV | 07/01/2020 06:45:00 | 28 | 2250.0 | 197.5 | 0.0 | -197.5 | 8.78 | 0.00 | 7.821 | 1044.817216 |
| Mulawa 33kV | 07/01/2020 07:00:00 | 29 | 2250.0 | 220.0 | 0.0 | -220.0 | 9.78 | 0.00 | 5.372 | 584.638495 |
| Mulawa 33kV | 07/01/2020 07:15:00 | 30 | 2250.0 | 160.0 | 0.0 | -160.0 | 7.11 | 0.00 | 16.000 | 0.000000 |
| Mulawa 33kV | 07/01/2020 07:30:00 | 31 | 2250.0 | 272.5 | 0.0 | -272.5 | 12.11 | 0.00 | 9.296 | 0.000000 |
| Mulawa 33kV | 07/01/2020 07:45:00 | 32 | 2250.0 | 262.5 | 0.0 | -262.5 | 11.67 | 0.00 | 9.794 | 0.000000 |
| Mulawa 33kV | 07/01/2020 08:00:00 | 33 | 2250.0 | 232.5 | 0.0 | -232.5 | 10.33 | 0.00 | 3.593 | 0.000000 |
| Mulawa 33kV | 07/01/2020 08:15:00 | 34 | 2250.0 | 180.0 | 0.0 | -180.0 | 8.0 | 0.00 | 3.401 | 0.000000 |
| Mulawa 33kV | 07/01/2020 08:30:00 | 35 | 2250.0 | 307.5 | 0.0 | -307.5 | 13.67 | 0.00 | 3.245 | 0.000000 |
| Mulawa 33kV | 07/01/2020 08:45:00 | 36 | 2250.0 | 165.0 | 0.0 | -165.0 | 7.33 | 0.00 | 0.000 | 0.000000 |
| Mulawa 33kV | 07/01/2020 09:00:00 | 37 | 2250.0 | 152.5 | 0.0 | -152.5 | 6.78 | 0.00 | 2.745 | 0.000000 |
| Mulawa 33kV | 07/01/2020 09:15:00 | 38 | 2250.0 | 200.0 | 0.0 | -200.0 | 8.89 | 0.00 | 4.715 | 0.000000 |
| Mulawa 33kV | 07/01/2020 09:30:00 | 39 | 2250.0 | 155.0 | 0.0 | -155.0 | 6.89 | 0.00 | 3.981 | 0.000000 |
| Mulawa 33kV | 07/01/2020 09:45:00 | 40 | 2250.0 | 285.0 | 0.0 | -285.0 | 12.67 | 0.00 | 3.730 | 0.000000 |
| Mulawa 33kV | 07/01/2020 10:00:00 | 41 | 2250.0 | 262.5 | 0.0 | -262.5 | 11.67 | 0.00 | 1.780 | 0.000000 |
| Mulawa 33kV | 07/01/2020 10:15:00 | 42 | 2250.0 | 207.5 | 0.0 | -207.5 | 9.22 | 0.00 | 5.643 | 0.000000 |
| Mulawa 33kV | 07/01/2020 10:30:00 | 43 | 2250.0 | 142.5 | 0.0 | -142.5 | 6.33 | 0.00 | 4.976 | 0.000000 |
| Mulawa 33kV | 07/01/2020 10:45:00 | 44 | 2250.0 | 335.0 | 0.0 | -335.0 | 14.89 | 0.00 | 4.415 | 0.000000 |
| Mulawa 33kV | 07/01/2020 11:00:00 | 45 | 2250.0 | 192.5 | 0.0 | -192.5 | 8.56 | 0.00 | 4.476 | 0.000000 |
| Mulawa 33kV | 07/01/2020 11:15:00 | 46 | 2250.0 | 305.0 | 0.0 | -305.0 | 13.56 | 0.00 | 4.826 | 0.000000 |
| Mulawa 33kV | 07/01/2020 11:30:00 | 47 | 2250.0 | 305.0 | 0.0 | -305.0 | 13.56 | 0.00 | 2.289 | 0.000000 |
| Mulawa 33kV | 07/01/2020 11:45:00 | 48 | 2250.0 | 222.5 | 0.0 | -222.5 | 9.89 | 0.00 | -0.549 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mulawa 33kV | 07/01/2020 12:00:00 | 49 | 2250.0 | 247.5 | 0.0 | -247.5 | 11.0 | 0.00 | 4.727 | 0.000000 |
| Mulawa 33kV | 07/01/2020 12:15:00 | 50 | 2250.0 | 255.0 | 0.0 | -255.0 | 11.33 | 0.00 | 4.777 | 0.000000 |
| Mulawa 33kV | 07/01/2020 12:30:00 | 51 | 2250.0 | 262.5 | 0.0 | -262.5 | 11.67 | 0.00 | 4.798 | 0.000000 |
| Mulawa 33kV | 07/01/2020 12:45:00 | 52 | 2250.0 | 290.0 | 0.0 | -290.0 | 12.89 | 0.00 | -3.401 | 0.000000 |
| Mulawa 33kV | 07/01/2020 13:00:00 | 53 | 2250.0 | 240.0 | 0.0 | -240.0 | 10.67 | 0.00 | -2.431 | 0.000000 |
| Mulawa 33kV | 07/01/2020 13:15:00 | 54 | 2250.0 | 262.5 | 0.0 | -262.5 | 11.67 | 0.00 | -4.387 | 0.000000 |
| Mulawa 33kV | 07/01/2020 13:30:00 | 55 | 2250.0 | 150.0 | 0.0 | -150.0 | 6.67 | 0.00 | -3.401 | 0.000000 |
| Mulawa 33kV | 07/01/2020 13:45:00 | 56 | 2250.0 | 155.0 | 0.0 | -155.0 | 6.89 | 0.00 | -5.044 | 0.000000 |
| Mulawa 33kV | 07/01/2020 14:00:00 | 57 | 2250.0 | 192.5 | 0.0 | -192.5 | 8.56 | 0.00 | 4.215 | 0.000000 |
| Mulawa 33kV | 07/01/2020 14:15:00 | 58 | 2250.0 | 247.5 | 0.0 | -247.5 | 11.0 | 0.00 | 9.552 | 0.000000 |
| Mulawa 33kV | 07/01/2020 14:30:00 | 59 | 2250.0 | 310.0 | 0.0 | -310.0 | 13.78 | 0.00 | 6.358 | 0.000000 |
| Mulawa 33kV | 07/01/2020 14:45:00 | 60 | 2250.0 | 120.0 | 0.0 | -120.0 | 5.33 | 0.00 | 2.744 | 0.000000 |
| Mulawa 33kV | 07/01/2020 15:00:00 | 61 | 2250.0 | 247.5 | 0.0 | -247.5 | 11.0 | 0.00 | -3.073 | 0.000000 |
| Mulawa 33kV | 07/01/2020 15:15:00 | 62 | 2250.0 | 190.0 | 0.0 | -190.0 | 8.44 | 0.00 | -4.058 | 0.000000 |
| Mulawa 33kV | 07/01/2020 15:30:00 | 63 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | -4.831 | 0.000000 |
| Mulawa 33kV | 07/01/2020 15:45:00 | 64 | 2250.0 | 197.5 | 0.0 | -197.5 | 8.78 | 0.00 | -5.372 | 0.000000 |
| Mulawa 33kV | 07/01/2020 16:00:00 | 65 | 2250.0 | 180.0 | 0.0 | -180.0 | 8.0 | 0.00 | 2.196 | 0.000000 |
| Mulawa 33kV | 07/01/2020 16:15:00 | 66 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | -3.401 | 0.000000 |
| Mulawa 33kV | 07/01/2020 16:30:00 | 67 | 2250.0 | 315.0 | 0.0 | -315.0 | 14.0 | 0.00 | 4.738 | 0.000000 |
| Mulawa 33kV | 07/01/2020 16:45:00 | 68 | 2250.0 | 265.0 | 0.0 | -265.0 | 11.78 | 0.00 | 7.343 | 0.000000 |
| Mulawa 33kV | 07/01/2020 17:00:00 | 69 | 2250.0 | 190.0 | 0.0 | -190.0 | 8.44 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mulawa 33kV | 07/01/2020 17:15:00 | 70 | 2250.0 | 242.5 | 0.0 | -242.5 | 10.78 | 0.00 | 2.744 | 40.338929 |
| Mulawa 33kV | 07/01/2020 17:30:00 | 71 | 2250.0 | 245.0 | 0.0 | -245.0 | 10.89 | 0.00 | 3.401 | 16.177216 |
| Mulawa 33kV | 07/01/2020 17:45:00 | 72 | 2250.0 | 280.0 | 0.0 | -280.0 | 12.44 | 0.00 | -2.745 | 0.000000 |
| Mulawa 33kV | 07/01/2020 18:00:00 | 73 | 2250.0 | 322.5 | 0.0 | -322.5 | 14.33 | 0.00 | -3.073 | 0.000000 |
| Mulawa 33kV | 07/01/2020 18:15:00 | 74 | 2250.0 | 267.5 | 0.0 | -267.5 | 11.89 | 0.00 | -5.372 | 0.000000 |
| Mulawa 33kV | 07/01/2020 18:30:00 | 75 | 2250.0 | 275.0 | 0.0 | -275.0 | 12.22 | 0.00 | 3.401 | 0.000000 |
| Mulawa 33kV | 07/01/2020 18:45:00 | 76 | 2250.0 | 125.0 | 0.0 | -125.0 | 5.56 | 0.00 | -3.401 | 0.000000 |
| Mulawa 33kV | 07/01/2020 19:00:00 | 77 | 2250.0 | 290.0 | 0.0 | -290.0 | 12.89 | 0.00 | -3.730 | 0.000000 |
| Mulawa 33kV | 07/01/2020 19:15:00 | 78 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -4.715 | 0.000000 |
| Mulawa 33kV | 07/01/2020 19:30:00 | 79 | 2250.0 | 180.0 | 0.0 | -180.0 | 8.0 | 0.00 | -4.058 | 0.000000 |
| Mulawa 33kV | 07/01/2020 19:45:00 | 80 | 2250.0 | 147.5 | 0.0 | -147.5 | 6.56 | 0.00 | -2.210 | 0.000000 |
| Mulawa 33kV | 07/01/2020 20:00:00 | 81 | 2250.0 | 242.5 | 0.0 | -242.5 | 10.78 | 0.00 | -2.348 | 0.000000 |
| Mulawa 33kV | 07/01/2020 20:15:00 | 82 | 2250.0 | 212.5 | 0.0 | -212.5 | 9.44 | 0.00 | 4.387 | 331.638648 |
| Mulawa 33kV | 07/01/2020 20:30:00 | 83 | 2250.0 | 235.0 | 0.0 | -235.0 | 10.44 | 0.00 | 3.816 | 479.561958 |
| Mulawa 33kV | 07/01/2020 20:45:00 | 84 | 2250.0 | 297.5 | 0.0 | -297.5 | 13.22 | 0.00 | 3.401 | 146.172468 |
| Mulawa 33kV | 07/01/2020 21:00:00 | 85 | 2250.0 | 237.5 | 0.0 | -237.5 | 10.56 | 0.00 | -4.058 | 0.000000 |
| Mulawa 33kV | 07/01/2020 21:15:00 | 86 | 2250.0 | 255.0 | 0.0 | -255.0 | 11.33 | 0.00 | 1.647 | 135.158948 |
| Mulawa 33kV | 07/01/2020 21:30:00 | 87 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | 2.196 | 96.462430 |
| Mulawa 33kV | 07/01/2020 21:45:00 | 88 | 2250.0 | 227.5 | 0.0 | -227.5 | 10.11 | 0.00 | -2.196 | 0.000000 |
| Mulawa 33kV | 07/01/2020 22:00:00 | 89 | 2250.0 | 255.0 | 0.0 | -255.0 | 11.33 | 0.00 | -3.257 | 0.000000 |
| Mulawa 33kV | 07/01/2020 22:15:00 | 90 | 2250.0 | 285.0 | 0.0 | -285.0 | 12.67 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mulawa 33kV | 07/01/2020 22:30:00 | 91 | 2250.0 | 207.5 | 0.0 | -207.5 | 9.22 | 0.00 | -1.098 | 0.000000 |
| Mulawa 33kV | 07/01/2020 22:45:00 | 92 | 2250.0 | 245.0 | 0.0 | -245.0 | 10.89 | 0.00 | -1.647 | 0.000000 |
| Mulawa 33kV | 07/01/2020 23:00:00 | 93 | 2250.0 | 190.0 | 0.0 | -190.0 | 8.44 | 0.00 | -3.401 | 0.000000 |
| Mulawa 33kV | 07/01/2020 23:15:00 | 94 | 2250.0 | 255.0 | 0.0 | -255.0 | 11.33 | 0.00 | 1.647 | 0.000000 |
| Mulawa 33kV | 07/01/2020 23:30:00 | 95 | 2250.0 | 210.0 | 0.0 | -210.0 | 9.33 | 0.00 | -2.196 | 0.000000 |
| Mulawa 33kV | 07/01/2020 23:45:00 | 96 | 2250.0 | 337.5 | 0.0 | -337.5 | 15.0 | 0.00 | -0.549 | 0.000000 |
| Mulawa 33kV | 08/01/2020 00:00:00 | 1 | 2250.0 | 327.5 | 0.0 | -327.5 | 14.56 | 0.00 | -2.220 | 0.000000 |
| Mulawa 33kV | 08/01/2020 00:15:00 | 2 | 2250.0 | 332.5 | 0.0 | -332.5 | 14.78 | 0.00 | -3.101 | 0.000000 |
| Mulawa 33kV | 08/01/2020 00:30:00 | 3 | 2250.0 | 327.5 | 0.0 | -327.5 | 14.56 | 0.00 | -3.101 | 0.000000 |
| Mulawa 33kV | 08/01/2020 00:45:00 | 4 | 2250.0 | 335.0 | 0.0 | -335.0 | 14.89 | 0.00 | -2.424 | 0.000000 |
| Mulawa 33kV | 08/01/2020 01:00:00 | 5 | 2250.0 | 292.5 | 0.0 | -292.5 | 13.0 | 0.00 | -2.170 | 0.000000 |
| Mulawa 33kV | 08/01/2020 01:15:00 | 6 | 2250.0 | 305.0 | 0.0 | -305.0 | 13.56 | 0.00 | -1.761 | 0.000000 |
| Mulawa 33kV | 08/01/2020 01:30:00 | 7 | 2250.0 | 277.5 | 0.0 | -277.5 | 12.33 | 0.00 | -1.665 | 0.000000 |
| Mulawa 33kV | 08/01/2020 01:45:00 | 8 | 2250.0 | 322.5 | 0.0 | -322.5 | 14.33 | 0.00 | -1.665 | 0.000000 |
| Mulawa 33kV | 08/01/2020 02:00:00 | 9 | 2250.0 | 262.5 | 0.0 | -262.5 | 11.67 | 0.00 | -1.110 | 0.000000 |
| Mulawa 33kV | 08/01/2020 02:15:00 | 10 | 2250.0 | 255.0 | 0.0 | -255.0 | 11.33 | 0.00 | -1.347 | 0.000000 |
| Mulawa 33kV | 08/01/2020 02:30:00 | 11 | 2250.0 | 177.5 | 0.0 | -177.5 | 7.89 | 0.00 | -3.101 | 0.000000 |
| Mulawa 33kV | 08/01/2020 02:45:00 | 12 | 2250.0 | 187.5 | 0.0 | -187.5 | 8.33 | 0.00 | -2.220 | 0.000000 |
| Mulawa 33kV | 08/01/2020 03:00:00 | 13 | 2250.0 | 252.5 | 0.0 | -252.5 | 11.22 | 0.00 | -3.428 | 0.000000 |
| Mulawa 33kV | 08/01/2020 03:15:00 | 14 | 2250.0 | 292.5 | 0.0 | -292.5 | 13.0 | 0.00 | -2.220 | 0.000000 |
| Mulawa 33kV | 08/01/2020 03:30:00 | 15 | 2250.0 | 115.0 | 0.0 | -115.0 | 5.11 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mulawa 33kV | 08/01/2020 03:45:00 | 16 | 2250.0 | 180.0 | 0.0 | -180.0 | 8.0 | 0.00 | -2.775 | 0.000000 |
| Mulawa 33kV | 08/01/2020 04:00:00 | 17 | 2250.0 | 147.5 | 0.0 | -147.5 | 6.56 | 0.00 | -3.101 | 0.000000 |
| Mulawa 33kV | 08/01/2020 04:15:00 | 18 | 2250.0 | 187.5 | 0.0 | -187.5 | 8.33 | 0.00 | -1.665 | 0.000000 |
| Mulawa 33kV | 08/01/2020 04:30:00 | 19 | 2250.0 | 292.5 | 0.0 | -292.5 | 13.0 | 0.00 | -2.220 | 0.000000 |
| Mulawa 33kV | 08/01/2020 04:45:00 | 20 | 2250.0 | 265.0 | 0.0 | -265.0 | 11.78 | 0.00 | -2.775 | 0.000000 |
| Mulawa 33kV | 08/01/2020 05:00:00 | 21 | 2250.0 | 225.0 | 0.0 | -225.0 | 10.0 | 0.00 | -1.110 | 0.000000 |
| Mulawa 33kV | 08/01/2020 05:15:00 | 22 | 2250.0 | 155.0 | 0.0 | -155.0 | 6.89 | 0.00 | 2.775 | 7.469152 |
| Mulawa 33kV | 08/01/2020 05:30:00 | 23 | 2250.0 | 282.5 | 0.0 | -282.5 | 12.56 | 0.00 | -3.428 | 0.000000 |
| Mulawa 33kV | 08/01/2020 05:45:00 | 24 | 2250.0 | 162.5 | 0.0 | -162.5 | 7.22 | 0.00 | -2.775 | 0.000000 |
| Mulawa 33kV | 08/01/2020 06:00:00 | 25 | 2250.0 | 155.0 | 0.0 | -155.0 | 6.89 | 0.00 | -2.220 | 0.000000 |
| Mulawa 33kV | 08/01/2020 06:15:00 | 26 | 2250.0 | 170.0 | 0.0 | -170.0 | 7.56 | 0.00 | 2.220 | 34.806631 |
| Mulawa 33kV | 08/01/2020 06:30:00 | 27 | 2250.0 | 227.5 | 0.0 | -227.5 | 10.11 | 0.00 | 5.387 | 409.491512 |
| Mulawa 33kV | 08/01/2020 06:45:00 | 28 | 2250.0 | 197.5 | 0.0 | -197.5 | 8.78 | 0.00 | -4.734 | 0.000000 |
| Mulawa 33kV | 08/01/2020 07:00:00 | 29 | 2250.0 | 220.0 | 0.0 | -220.0 | 9.78 | 0.00 | -4.407 | 0.000000 |
| Mulawa 33kV | 08/01/2020 07:15:00 | 30 | 2250.0 | 160.0 | 0.0 | -160.0 | 7.11 | 0.00 | 5.061 | 282.013359 |
| Mulawa 33kV | 08/01/2020 07:30:00 | 31 | 2250.0 | 272.5 | 0.0 | -272.5 | 12.11 | 0.00 | 5.714 | 459.571211 |
| Mulawa 33kV | 08/01/2020 07:45:00 | 32 | 2250.0 | 262.5 | 0.0 | -262.5 | 11.67 | 0.00 | 5.061 | 174.046566 |
| Mulawa 33kV | 08/01/2020 08:00:00 | 33 | 2250.0 | 232.5 | 0.0 | -232.5 | 10.33 | 0.00 | 2.775 | 0.000000 |
| Mulawa 33kV | 08/01/2020 08:15:00 | 34 | 2250.0 | 180.0 | 0.0 | -180.0 | 8.0 | 0.00 | 2.775 | 0.000000 |
| Mulawa 33kV | 08/01/2020 08:30:00 | 35 | 2250.0 | 307.5 | 0.0 | -307.5 | 13.67 | 0.00 | 5.387 | 0.000000 |
| Mulawa 33kV | 08/01/2020 08:45:00 | 36 | 2250.0 | 165.0 | 0.0 | -165.0 | 7.33 | 0.00 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mulawa 33kV | 08/01/2020 09:00:00 | 37 | 2250.0 | 152.5 | 0.0 | -152.5 | 6.78 | 0.00 | 7.673 | 0.000000 |
| Mulawa 33kV | 08/01/2020 09:15:00 | 38 | 2250.0 | 200.0 | 0.0 | -200.0 | 8.89 | 0.00 | 7.673 | 0.000000 |
| Mulawa 33kV | 08/01/2020 09:30:00 | 39 | 2250.0 | 155.0 | 0.0 | -155.0 | 6.89 | 0.00 | 3.101 | 0.000000 |
| Mulawa 33kV | 08/01/2020 09:45:00 | 40 | 2250.0 | 285.0 | 0.0 | -285.0 | 12.67 | 0.00 | -3.101 | 0.000000 |
| Mulawa 33kV | 08/01/2020 10:00:00 | 41 | 2250.0 | 262.5 | 0.0 | -262.5 | 11.67 | 0.00 | -3.101 | 0.000000 |
| Mulawa 33kV | 08/01/2020 10:15:00 | 42 | 2250.0 | 207.5 | 0.0 | -207.5 | 9.22 | 0.00 | -3.101 | 0.000000 |
| Mulawa 33kV | 08/01/2020 10:30:00 | 43 | 2250.0 | 142.5 | 0.0 | -142.5 | 6.33 | 0.00 | -1.665 | 0.000000 |
| Mulawa 33kV | 08/01/2020 10:45:00 | 44 | 2250.0 | 335.0 | 0.0 | -335.0 | 14.89 | 0.00 | 0.000 | 0.000000 |
| Mulawa 33kV | 08/01/2020 11:00:00 | 45 | 2250.0 | 192.5 | 0.0 | -192.5 | 8.56 | 0.00 | -1.486 | 0.000000 |
| Mulawa 33kV | 08/01/2020 11:15:00 | 46 | 2250.0 | 305.0 | 0.0 | -305.0 | 13.56 | 0.00 | -1.305 | 0.000000 |
| Mulawa 33kV | 08/01/2020 11:30:00 | 47 | 2250.0 | 305.0 | 0.0 | -305.0 | 13.56 | 0.00 | -2.425 | 0.000000 |
| Mulawa 33kV | 08/01/2020 11:45:00 | 48 | 2250.0 | 222.5 | 0.0 | -222.5 | 9.89 | 0.00 | -2.775 | 0.000000 |
| Mulawa 33kV | 08/01/2020 12:00:00 | 49 | 2250.0 | 247.5 | 0.0 | -247.5 | 11.0 | 0.00 | -2.083 | 0.000000 |
| Mulawa 33kV | 08/01/2020 12:15:00 | 50 | 2250.0 | 255.0 | 0.0 | -255.0 | 11.33 | 0.00 | -3.242 | 0.000000 |
| Mulawa 33kV | 08/01/2020 12:30:00 | 51 | 2250.0 | 262.5 | 0.0 | -262.5 | 11.67 | 0.00 | -1.330 | 0.000000 |
| Mulawa 33kV | 08/01/2020 12:45:00 | 52 | 2250.0 | 290.0 | 0.0 | -290.0 | 12.89 | 0.00 | -0.830 | 0.000000 |
| Mulawa 33kV | 08/01/2020 13:00:00 | 53 | 2250.0 | 240.0 | 0.0 | -240.0 | 10.67 | 0.00 | 2.775 | 0.000000 |
| Mulawa 33kV | 08/01/2020 13:15:00 | 54 | 2250.0 | 262.5 | 0.0 | -262.5 | 11.67 | 0.00 | 0.000 | 0.000000 |
| Mulawa 33kV | 08/01/2020 13:30:00 | 55 | 2250.0 | 150.0 | 0.0 | -150.0 | 6.67 | 0.00 | -1.012 | 0.000000 |
| Mulawa 33kV | 08/01/2020 13:45:00 | 56 | 2250.0 | 155.0 | 0.0 | -155.0 | 6.89 | 0.00 | -1.087 | 0.000000 |
| Mulawa 33kV | 08/01/2020 14:00:00 | 57 | 2250.0 | 192.5 | 0.0 | -192.5 | 8.56 | 0.00 | -3.101 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mulawa 33kV | 08/01/2020 14:15:00 | 58 | 2250.0 | 247.5 | 0.0 | -247.5 | 11.0 | 0.00 | -4.081 | 0.000000 |
| Mulawa 33kV | 08/01/2020 14:30:00 | 59 | 2250.0 | 310.0 | 0.0 | -310.0 | 13.78 | 0.00 | -2.996 | 0.000000 |
| Mulawa 33kV | 08/01/2020 14:45:00 | 60 | 2250.0 | 120.0 | 0.0 | -120.0 | 5.33 | 0.00 | -3.101 | 0.000000 |
| Mulawa 33kV | 08/01/2020 15:00:00 | 61 | 2250.0 | 247.5 | 0.0 | -247.5 | 11.0 | 0.00 | -1.879 | 0.000000 |
| Mulawa 33kV | 08/01/2020 15:15:00 | 62 | 2250.0 | 190.0 | 0.0 | -190.0 | 8.44 | 0.00 | -4.081 | 0.000000 |
| Mulawa 33kV | 08/01/2020 15:30:00 | 63 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | 4.938 | 0.000000 |
| Mulawa 33kV | 08/01/2020 15:45:00 | 64 | 2250.0 | 197.5 | 0.0 | -197.5 | 8.78 | 0.00 | 4.719 | 0.000000 |
| Mulawa 33kV | 08/01/2020 16:00:00 | 65 | 2250.0 | 180.0 | 0.0 | -180.0 | 8.0 | 0.00 | 0.555 | 0.000000 |
| Mulawa 33kV | 08/01/2020 16:15:00 | 66 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | -4.081 | 0.000000 |
| Mulawa 33kV | 08/01/2020 16:30:00 | 67 | 2250.0 | 315.0 | 0.0 | -315.0 | 14.0 | 0.00 | -3.754 | 0.000000 |
| Mulawa 33kV | 08/01/2020 16:45:00 | 68 | 2250.0 | 265.0 | 0.0 | -265.0 | 11.78 | 0.00 | -8.000 | 0.000000 |
| Mulawa 33kV | 08/01/2020 17:00:00 | 69 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | 0.000 | 0.000000 |
| Mulawa 33kV | 08/01/2020 17:15:00 | 70 | 2250.0 | 332.5 | 0.0 | -332.5 | 14.78 | 0.00 | 4.081 | 63.781926 |
| Mulawa 33kV | 08/01/2020 17:30:00 | 71 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -5.387 | 0.000000 |
| Mulawa 33kV | 08/01/2020 17:45:00 | 72 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | -3.101 | 0.000000 |
| Mulawa 33kV | 08/01/2020 18:00:00 | 73 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | -2.775 | 0.000000 |
| Mulawa 33kV | 08/01/2020 18:15:00 | 74 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | -3.101 | 0.000000 |
| Mulawa 33kV | 08/01/2020 18:30:00 | 75 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | -2.220 | 0.000000 |
| Mulawa 33kV | 08/01/2020 18:45:00 | 76 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | 2.220 | 260.130584 |
| Mulawa 33kV | 08/01/2020 19:00:00 | 77 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | 1.110 | 0.000000 |
| Mulawa 33kV | 08/01/2020 19:15:00 | 78 | 2250.0 | 332.5 | 0.0 | -332.5 | 14.78 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mulawa 33kV | 08/01/2020 19:30:00 | 79 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -2.220 | 0.000000 |
| Mulawa 33kV | 08/01/2020 19:45:00 | 80 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | -0.555 | 0.000000 |
| Mulawa 33kV | 08/01/2020 20:00:00 | 81 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | 2.775 | 0.000000 |
| Mulawa 33kV | 08/01/2020 20:15:00 | 82 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | 3.101 | 551.786912 |
| Mulawa 33kV | 08/01/2020 20:30:00 | 83 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | 4.408 | 747.518883 |
| Mulawa 33kV | 08/01/2020 20:45:00 | 84 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | 3.101 | 215.952008 |
| Mulawa 33kV | 08/01/2020 21:00:00 | 85 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | 3.101 | 0.000000 |
| Mulawa 33kV | 08/01/2020 21:15:00 | 86 | 2250.0 | 332.5 | 0.0 | -332.5 | 14.78 | 0.00 | -0.555 | 0.000000 |
| Mulawa 33kV | 08/01/2020 21:30:00 | 87 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -1.110 | 0.000000 |
| Mulawa 33kV | 08/01/2020 21:45:00 | 88 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | -1.110 | 0.000000 |
| Mulawa 33kV | 08/01/2020 22:00:00 | 89 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | -2.489 | 0.000000 |
| Mulawa 33kV | 08/01/2020 22:15:00 | 90 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | -2.775 | 0.000000 |
| Mulawa 33kV | 08/01/2020 22:30:00 | 91 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | -2.223 | 0.000000 |
| Mulawa 33kV | 08/01/2020 22:45:00 | 92 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | 1.110 | 0.000000 |
| Mulawa 33kV | 08/01/2020 23:00:00 | 93 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | 1.110 | 35.231129 |
| Mulawa 33kV | 08/01/2020 23:15:00 | 94 | 2250.0 | 332.5 | 0.0 | -332.5 | 14.78 | 0.00 | 1.110 | 0.000000 |
| Mulawa 33kV | 08/01/2020 23:30:00 | 95 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | 2.775 | 2.840788 |
| Mulawa 33kV | 08/01/2020 23:45:00 | 96 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | 0.000 | 0.000000 |
| Mulawa 33kV | 09/01/2020 00:00:00 | 1 | 2250.0 | 327.5 | 0.0 | -327.5 | 14.56 | 0.00 | -0.576 | 0.000000 |
| Mulawa 33kV | 09/01/2020 00:15:00 | 2 | 2250.0 | 332.5 | 0.0 | -332.5 | 14.78 | 0.00 | -1.727 | 0.000000 |
| Mulawa 33kV | 09/01/2020 00:30:00 | 3 | 2250.0 | 327.5 | 0.0 | -327.5 | 14.56 | 0.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mulawa 33kV | 09/01/2020 00:45:00 | 4 | 2250.0 | 335.0 | 0.0 | -335.0 | 14.89 | 0.00 | -2.879 | 0.000000 |
| Mulawa 33kV | 09/01/2020 01:00:00 | 5 | 2250.0 | 292.5 | 0.0 | -292.5 | 13.0 | 0.00 | -3.519 | 0.000000 |
| Mulawa 33kV | 09/01/2020 01:15:00 | 6 | 2250.0 | 305.0 | 0.0 | -305.0 | 13.56 | 0.00 | -3.519 | 0.000000 |
| Mulawa 33kV | 09/01/2020 01:30:00 | 7 | 2250.0 | 307.5 | 0.0 | -307.5 | 13.67 | 0.00 | -3.199 | 0.000000 |
| Mulawa 33kV | 09/01/2020 01:45:00 | 8 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | 3.519 | 75.933603 |
| Mulawa 33kV | 09/01/2020 02:00:00 | 9 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | 3.519 | 333.024709 |
| Mulawa 33kV | 09/01/2020 02:15:00 | 10 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | 2.879 | 150.886650 |
| Mulawa 33kV | 09/01/2020 02:30:00 | 11 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | 3.199 | 229.246784 |
| Mulawa 33kV | 09/01/2020 02:45:00 | 12 | 2250.0 | 310.0 | 0.0 | -310.0 | 13.78 | 0.00 | 1.152 | 0.000000 |
| Mulawa 33kV | 09/01/2020 03:00:00 | 13 | 2250.0 | 327.5 | 0.0 | -327.5 | 14.56 | 0.00 | -2.879 | 0.000000 |
| Mulawa 33kV | 09/01/2020 03:15:00 | 14 | 2250.0 | 335.0 | 0.0 | -335.0 | 14.89 | 0.00 | -3.839 | 0.000000 |
| Mulawa 33kV | 09/01/2020 03:30:00 | 15 | 2250.0 | 292.5 | 0.0 | -292.5 | 13.0 | 0.00 | 3.199 | 0.000000 |
| Mulawa 33kV | 09/01/2020 03:45:00 | 16 | 2250.0 | 305.0 | 0.0 | -305.0 | 13.56 | 0.00 | 0.000 | 0.000000 |
| Mulawa 33kV | 09/01/2020 04:00:00 | 17 | 2250.0 | 307.5 | 0.0 | -307.5 | 13.67 | 0.00 | 1.727 | 0.000000 |
| Mulawa 33kV | 09/01/2020 04:15:00 | 18 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | 1.727 | 0.000000 |
| Mulawa 33kV | 09/01/2020 04:30:00 | 19 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | 1.727 | 0.000000 |
| Mulawa 33kV | 09/01/2020 04:45:00 | 20 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | 2.879 | 269.315641 |
| Mulawa 33kV | 09/01/2020 05:00:00 | 21 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | 3.839 | 164.728966 |
| Mulawa 33kV | 09/01/2020 05:15:00 | 22 | 2250.0 | 310.0 | 0.0 | -310.0 | 13.78 | 0.00 | 5.119 | 437.565818 |
| Mulawa 33kV | 09/01/2020 05:30:00 | 23 | 2250.0 | 327.5 | 0.0 | -327.5 | 14.56 | 0.00 | 4.064 | 842.462237 |
| Mulawa 33kV | 09/01/2020 05:45:00 | 24 | 2250.0 | 335.0 | 0.0 | -335.0 | 14.89 | 0.00 | 1.152 | 2.363372 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mulawa 33kV | 09/01/2020 06:00:00 | 25 | 2250.0 | 292.5 | 0.0 | -292.5 | 13.0 | 0.00 | -2.303 | 0.000000 |
| Mulawa 33kV | 09/01/2020 06:15:00 | 26 | 2250.0 | 305.0 | 0.0 | -305.0 | 13.56 | 0.00 | 2.303 | 202.870501 |
| Mulawa 33kV | 09/01/2020 06:30:00 | 27 | 2250.0 | 307.5 | 0.0 | -307.5 | 13.67 | 0.00 | -3.839 | 0.000000 |
| Mulawa 33kV | 09/01/2020 06:45:00 | 28 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -2.879 | 0.000000 |
| Mulawa 33kV | 09/01/2020 07:00:00 | 29 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | -2.879 | 0.000000 |
| Mulawa 33kV | 09/01/2020 07:15:00 | 30 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | 6.400 | 155.470839 |
| Mulawa 33kV | 09/01/2020 07:30:00 | 31 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | 1.172 | 0.000000 |
| Mulawa 33kV | 09/01/2020 07:45:00 | 32 | 2250.0 | 310.0 | 0.0 | -310.0 | 13.78 | 0.00 | 0.576 | 0.000000 |
| Mulawa 33kV | 09/01/2020 08:00:00 | 33 | 2250.0 | 327.5 | 0.0 | -327.5 | 14.56 | 0.00 | -0.576 | 0.000000 |
| Mulawa 33kV | 09/01/2020 08:15:00 | 34 | 2250.0 | 335.0 | 0.0 | -335.0 | 14.89 | 0.00 | -1.152 | 0.000000 |
| Mulawa 33kV | 09/01/2020 08:30:00 | 35 | 2250.0 | 292.5 | 0.0 | -292.5 | 13.0 | 0.00 | 0.576 | 0.000000 |
| Mulawa 33kV | 09/01/2020 08:45:00 | 36 | 2250.0 | 305.0 | 0.0 | -305.0 | 13.56 | 0.00 | 0.000 | 0.000000 |
| Mulawa 33kV | 09/01/2020 09:00:00 | 37 | 2250.0 | 307.5 | 0.0 | -307.5 | 13.67 | 0.00 | 1.152 | 0.000000 |
| Mulawa 33kV | 09/01/2020 09:15:00 | 38 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | 1.727 | 0.000000 |
| Mulawa 33kV | 09/01/2020 09:30:00 | 39 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | -3.839 | 0.000000 |
| Mulawa 33kV | 09/01/2020 09:45:00 | 40 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -1.152 | 0.000000 |
| Mulawa 33kV | 09/01/2020 10:00:00 | 41 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | 0.000 | 0.000000 |
| Mulawa 33kV | 09/01/2020 10:15:00 | 42 | 2250.0 | 310.0 | 0.0 | -310.0 | 13.78 | 0.00 | 1.727 | 0.000000 |
| Mulawa 33kV | 09/01/2020 10:30:00 | 43 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | 2.303 | 0.000000 |
| Mulawa 33kV | 09/01/2020 10:45:00 | 44 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | -1.144 | 0.000000 |
| Mulawa 33kV | 09/01/2020 11:00:00 | 45 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -4.479 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mulawa 33kV | 09/01/2020 11:15:00 | 46 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | -3.519 | 0.000000 |
| Mulawa 33kV | 09/01/2020 11:30:00 | 47 | 2250.0 | 310.0 | 0.0 | -310.0 | 13.78 | 0.00 | -2.303 | 0.000000 |
| Mulawa 33kV | 09/01/2020 11:45:00 | 48 | 2250.0 | 327.5 | 0.0 | -327.5 | 14.56 | 0.00 | -0.576 | 0.000000 |
| Mulawa 33kV | 09/01/2020 12:00:00 | 49 | 2250.0 | 335.0 | 0.0 | -335.0 | 14.89 | 0.00 | 0.000 | 0.000000 |
| Mulawa 33kV | 09/01/2020 12:15:00 | 50 | 2250.0 | 292.5 | 0.0 | -292.5 | 13.0 | 0.00 | 3.839 | 0.000000 |
| Mulawa 33kV | 09/01/2020 12:30:00 | 51 | 2250.0 | 305.0 | 0.0 | -305.0 | 13.56 | 0.00 | 3.199 | 0.000000 |
| Mulawa 33kV | 09/01/2020 12:45:00 | 52 | 2250.0 | 307.5 | 0.0 | -307.5 | 13.67 | 0.00 | 3.199 | 0.000000 |
| Mulawa 33kV | 09/01/2020 13:00:00 | 53 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -1.152 | 0.000000 |
| Mulawa 33kV | 09/01/2020 13:15:00 | 54 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | -1.152 | 0.000000 |
| Mulawa 33kV | 09/01/2020 13:30:00 | 55 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | 1.727 | 0.000000 |
| Mulawa 33kV | 09/01/2020 13:45:00 | 56 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | 3.199 | 0.000000 |
| Mulawa 33kV | 09/01/2020 14:00:00 | 57 | 2250.0 | 310.0 | 0.0 | -310.0 | 13.78 | 0.00 | 4.345 | 0.000000 |
| Mulawa 33kV | 09/01/2020 14:15:00 | 58 | 2250.0 | 327.5 | 0.0 | -327.5 | 14.56 | 0.00 | 3.941 | 0.000000 |
| Mulawa 33kV | 09/01/2020 14:30:00 | 59 | 2250.0 | 335.0 | 0.0 | -335.0 | 14.89 | 0.00 | 1.152 | 0.000000 |
| Mulawa 33kV | 09/01/2020 14:45:00 | 60 | 2250.0 | 292.5 | 0.0 | -292.5 | 13.0 | 0.00 | -0.576 | 0.000000 |
| Mulawa 33kV | 09/01/2020 15:00:00 | 61 | 2250.0 | 305.0 | 0.0 | -305.0 | 13.56 | 0.00 | -1.006 | 0.000000 |
| Mulawa 33kV | 09/01/2020 15:15:00 | 62 | 2250.0 | 307.5 | 0.0 | -307.5 | 13.67 | 0.00 | 3.199 | 0.000000 |
| Mulawa 33kV | 09/01/2020 15:30:00 | 63 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | 2.879 | 0.000000 |
| Mulawa 33kV | 09/01/2020 15:45:00 | 64 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | 3.839 | 0.000000 |
| Mulawa 33kV | 09/01/2020 16:00:00 | 65 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | 1.727 | 0.000000 |
| Mulawa 33kV | 09/01/2020 16:15:00 | 66 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mulawa 33kV | 09/01/2020 16:30:00 | 67 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | -4.159 | 0.000000 |
| Mulawa 33kV | 09/01/2020 16:45:00 | 68 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | 3.839 | 0.000000 |
| Mulawa 33kV | 09/01/2020 17:00:00 | 69 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | 1.727 | 0.000000 |
| Mulawa 33kV | 09/01/2020 17:15:00 | 70 | 2250.0 | 310.0 | 0.0 | -310.0 | 13.78 | 0.00 | 3.839 | 106.551878 |
| Mulawa 33kV | 09/01/2020 17:30:00 | 71 | 2250.0 | 327.5 | 0.0 | -327.5 | 14.56 | 0.00 | -2.879 | 0.000000 |
| Mulawa 33kV | 09/01/2020 17:45:00 | 72 | 2250.0 | 335.0 | 0.0 | -335.0 | 14.89 | 0.00 | -4.146 | 0.000000 |
| Mulawa 33kV | 09/01/2020 18:00:00 | 73 | 2250.0 | 292.5 | 0.0 | -292.5 | 13.0 | 0.00 | -3.349 | 0.000000 |
| Mulawa 33kV | 09/01/2020 18:15:00 | 74 | 2250.0 | 305.0 | 0.0 | -305.0 | 13.56 | 0.00 | -4.563 | 0.000000 |
| Mulawa 33kV | 09/01/2020 18:30:00 | 75 | 2250.0 | 307.5 | 0.0 | -307.5 | 13.67 | 0.00 | -3.839 | 0.000000 |
| Mulawa 33kV | 09/01/2020 18:45:00 | 76 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -2.879 | 0.000000 |
| Mulawa 33kV | 09/01/2020 19:00:00 | 77 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | -3.199 | 0.000000 |
| Mulawa 33kV | 09/01/2020 19:15:00 | 78 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -1.727 | 0.000000 |
| Mulawa 33kV | 09/01/2020 19:30:00 | 79 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | -1.442 | 0.000000 |
| Mulawa 33kV | 09/01/2020 19:45:00 | 80 | 2250.0 | 310.0 | 0.0 | -310.0 | 13.78 | 0.00 | -0.286 | 0.000000 |
| Mulawa 33kV | 09/01/2020 20:00:00 | 81 | 2250.0 | 327.5 | 0.0 | -327.5 | 14.56 | 0.00 | -1.070 | 0.000000 |
| Mulawa 33kV | 09/01/2020 20:15:00 | 82 | 2250.0 | 335.0 | 0.0 | -335.0 | 14.89 | 0.00 | -2.236 | 0.000000 |
| Mulawa 33kV | 09/01/2020 20:30:00 | 83 | 2250.0 | 292.5 | 0.0 | -292.5 | 13.0 | 0.00 | -4.799 | 0.000000 |
| Mulawa 33kV | 09/01/2020 20:45:00 | 84 | 2250.0 | 305.0 | 0.0 | -305.0 | 13.56 | 0.00 | -1.727 | 0.000000 |
| Mulawa 33kV | 09/01/2020 21:00:00 | 85 | 2250.0 | 307.5 | 0.0 | -307.5 | 13.67 | 0.00 | -1.727 | 0.000000 |
| Mulawa 33kV | 09/01/2020 21:15:00 | 86 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | 1.152 | 0.000000 |
| Mulawa 33kV | 09/01/2020 21:30:00 | 87 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mulawa 33kV | 09/01/2020 21:45:00 | 88 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -2.303 | 0.000000 |
| Mulawa 33kV | 09/01/2020 22:00:00 | 89 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | -2.795 | 0.000000 |
| Mulawa 33kV | 09/01/2020 22:15:00 | 90 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | -3.674 | 0.000000 |
| Mulawa 33kV | 09/01/2020 22:30:00 | 91 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | -2.303 | 0.000000 |
| Mulawa 33kV | 09/01/2020 22:45:00 | 92 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | -1.152 | 0.000000 |
| Mulawa 33kV | 09/01/2020 23:00:00 | 93 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | 0.000 | 0.000000 |
| Mulawa 33kV | 09/01/2020 23:15:00 | 94 | 2250.0 | 332.5 | 0.0 | -332.5 | 14.78 | 0.00 | -0.576 | 0.000000 |
| Mulawa 33kV | 09/01/2020 23:30:00 | 95 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -0.576 | 0.000000 |
| Mulawa 33kV | 09/01/2020 23:45:00 | 96 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | -0.987 | 0.000000 |
| Mulawa 33kV | 10/01/2020 00:00:00 | 1 | 2250.0 | 327.5 | 0.0 | -327.5 | 14.56 | 0.00 | -0.680 | 0.000000 |
| Mulawa 33kV | 10/01/2020 00:15:00 | 2 | 2250.0 | 332.5 | 0.0 | -332.5 | 14.78 | 0.00 | -3.326 | 0.000000 |
| Mulawa 33kV | 10/01/2020 00:30:00 | 3 | 2250.0 | 327.5 | 0.0 | -327.5 | 14.56 | 0.00 | -2.992 | 0.000000 |
| Mulawa 33kV | 10/01/2020 00:45:00 | 4 | 2250.0 | 335.0 | 0.0 | -335.0 | 14.89 | 0.00 | -0.532 | 0.000000 |
| Mulawa 33kV | 10/01/2020 01:00:00 | 5 | 2250.0 | 292.5 | 0.0 | -292.5 | 13.0 | 0.00 | -0.713 | 0.000000 |
| Mulawa 33kV | 10/01/2020 01:15:00 | 6 | 2250.0 | 305.0 | 0.0 | -305.0 | 13.56 | 0.00 | -0.548 | 0.000000 |
| Mulawa 33kV | 10/01/2020 01:30:00 | 7 | 2250.0 | 307.5 | 0.0 | -307.5 | 13.67 | 0.00 | -2.658 | 0.000000 |
| Mulawa 33kV | 10/01/2020 01:45:00 | 8 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | 2.127 | 0.000000 |
| Mulawa 33kV | 10/01/2020 02:00:00 | 9 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | 5.342 | 592.709439 |
| Mulawa 33kV | 10/01/2020 02:15:00 | 10 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | 1.595 | 0.000000 |
| Mulawa 33kV | 10/01/2020 02:30:00 | 11 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | 3.326 | 0.000000 |
| Mulawa 33kV | 10/01/2020 02:45:00 | 12 | 2250.0 | 310.0 | 0.0 | -310.0 | 13.78 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mulawa 33kV | 10/01/2020 03:00:00 | 13 | 2250.0 | 327.5 | 0.0 | -327.5 | 14.56 | 0.00 | 2.658 | 0.000000 |
| Mulawa 33kV | 10/01/2020 03:15:00 | 14 | 2250.0 | 335.0 | 0.0 | -335.0 | 14.89 | 0.00 | 2.127 | 53.118527 |
| Mulawa 33kV | 10/01/2020 03:30:00 | 15 | 2250.0 | 292.5 | 0.0 | -292.5 | 13.0 | 0.00 | 2.127 | 54.987275 |
| Mulawa 33kV | 10/01/2020 03:45:00 | 16 | 2250.0 | 305.0 | 0.0 | -305.0 | 13.56 | 0.00 | -1.063 | 0.000000 |
| Mulawa 33kV | 10/01/2020 04:00:00 | 17 | 2250.0 | 307.5 | 0.0 | -307.5 | 13.67 | 0.00 | 1.595 | 0.000000 |
| Mulawa 33kV | 10/01/2020 04:15:00 | 18 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | 3.326 | 185.824651 |
| Mulawa 33kV | 10/01/2020 04:30:00 | 19 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | 3.326 | 0.000000 |
| Mulawa 33kV | 10/01/2020 04:45:00 | 20 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | 2.127 | 0.000000 |
| Mulawa 33kV | 10/01/2020 05:00:00 | 21 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | 2.992 | 0.000000 |
| Mulawa 33kV | 10/01/2020 05:15:00 | 22 | 2250.0 | 310.0 | 0.0 | -310.0 | 13.78 | 0.00 | 1.063 | 0.000000 |
| Mulawa 33kV | 10/01/2020 05:30:00 | 23 | 2250.0 | 327.5 | 0.0 | -327.5 | 14.56 | 0.00 | -2.658 | 0.000000 |
| Mulawa 33kV | 10/01/2020 05:45:00 | 24 | 2250.0 | 335.0 | 0.0 | -335.0 | 14.89 | 0.00 | 2.127 | 0.000000 |
| Mulawa 33kV | 10/01/2020 06:00:00 | 25 | 2250.0 | 292.5 | 0.0 | -292.5 | 13.0 | 0.00 | -2.127 | 0.000000 |
| Mulawa 33kV | 10/01/2020 06:15:00 | 26 | 2250.0 | 305.0 | 0.0 | -305.0 | 13.56 | 0.00 | 2.658 | 77.375144 |
| Mulawa 33kV | 10/01/2020 06:30:00 | 27 | 2250.0 | 307.5 | 0.0 | -307.5 | 13.67 | 0.00 | -2.992 | 0.000000 |
| Mulawa 33kV | 10/01/2020 06:45:00 | 28 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -3.077 | 0.000000 |
| Mulawa 33kV | 10/01/2020 07:00:00 | 29 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | -0.687 | 0.000000 |
| Mulawa 33kV | 10/01/2020 07:15:00 | 30 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -2.658 | 0.000000 |
| Mulawa 33kV | 10/01/2020 07:30:00 | 31 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | -1.063 | 0.000000 |
| Mulawa 33kV | 10/01/2020 07:45:00 | 32 | 2250.0 | 310.0 | 0.0 | -310.0 | 13.78 | 0.00 | -2.658 | 0.000000 |
| Mulawa 33kV | 10/01/2020 08:00:00 | 33 | 2250.0 | 327.5 | 0.0 | -327.5 | 14.56 | 0.00 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mulawa 33kV | 10/01/2020 08:15:00 | 34 | 2250.0 | 335.0 | 0.0 | -335.0 | 14.89 | 0.00 | -4.661 | 0.000000 |
| Mulawa 33kV | 10/01/2020 08:30:00 | 35 | 2250.0 | 292.5 | 0.0 | -292.5 | 13.0 | 0.00 | 5.663 | 0.000000 |
| Mulawa 33kV | 10/01/2020 08:45:00 | 36 | 2250.0 | 305.0 | 0.0 | -305.0 | 13.56 | 0.00 | 4.328 | 0.000000 |
| Mulawa 33kV | 10/01/2020 09:00:00 | 37 | 2250.0 | 307.5 | 0.0 | -307.5 | 13.67 | 0.00 | -4.995 | 0.000000 |
| Mulawa 33kV | 10/01/2020 09:15:00 | 38 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -4.327 | 0.000000 |
| Mulawa 33kV | 10/01/2020 09:30:00 | 39 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | -2.127 | 0.000000 |
| Mulawa 33kV | 10/01/2020 09:45:00 | 40 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -1.152 | 0.000000 |
| Mulawa 33kV | 10/01/2020 10:00:00 | 41 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | 0.000 | 0.000000 |
| Mulawa 33kV | 10/01/2020 10:15:00 | 42 | 2250.0 | 310.0 | 0.0 | -310.0 | 13.78 | 0.00 | -0.532 | 0.000000 |
| Mulawa 33kV | 10/01/2020 10:30:00 | 43 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -1.063 | 0.000000 |
| Mulawa 33kV | 10/01/2020 10:45:00 | 44 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | 0.000 | 0.000000 |
| Mulawa 33kV | 10/01/2020 11:00:00 | 45 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | 2.658 | 0.000000 |
| Mulawa 33kV | 10/01/2020 11:15:00 | 46 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | 0.000 | 0.000000 |
| Mulawa 33kV | 10/01/2020 11:30:00 | 47 | 2250.0 | 310.0 | 0.0 | -310.0 | 13.78 | 0.00 | -1.595 | 0.000000 |
| Mulawa 33kV | 10/01/2020 11:45:00 | 48 | 2250.0 | 327.5 | 0.0 | -327.5 | 14.56 | 0.00 | 2.992 | 0.000000 |
| Mulawa 33kV | 10/01/2020 12:00:00 | 49 | 2250.0 | 335.0 | 0.0 | -335.0 | 14.89 | 0.00 | 0.000 | 0.000000 |
| Mulawa 33kV | 10/01/2020 12:15:00 | 50 | 2250.0 | 292.5 | 0.0 | -292.5 | 13.0 | 0.00 | 2.127 | 0.000000 |
| Mulawa 33kV | 10/01/2020 12:30:00 | 51 | 2250.0 | 305.0 | 0.0 | -305.0 | 13.56 | 0.00 | 1.595 | 0.000000 |
| Mulawa 33kV | 10/01/2020 12:45:00 | 52 | 2250.0 | 307.5 | 0.0 | -307.5 | 13.67 | 0.00 | -1.063 | 0.000000 |
| Mulawa 33kV | 10/01/2020 13:00:00 | 53 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | 2.658 | 0.000000 |
| Mulawa 33kV | 10/01/2020 13:15:00 | 54 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mulawa 33kV | 10/01/2020 13:30:00 | 55 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | 2.127 | 0.000000 |
| Mulawa 33kV | 10/01/2020 13:45:00 | 56 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | -3.326 | 0.000000 |
| Mulawa 33kV | 10/01/2020 14:00:00 | 57 | 2250.0 | 310.0 | 0.0 | -310.0 | 13.78 | 0.00 | -2.992 | 0.000000 |
| Mulawa 33kV | 10/01/2020 14:15:00 | 58 | 2250.0 | 327.5 | 0.0 | -327.5 | 14.56 | 0.00 | 3.660 | 0.000000 |
| Mulawa 33kV | 10/01/2020 14:30:00 | 59 | 2250.0 | 335.0 | 0.0 | -335.0 | 14.89 | 0.00 | -2.127 | 0.000000 |
| Mulawa 33kV | 10/01/2020 14:45:00 | 60 | 2250.0 | 292.5 | 0.0 | -292.5 | 13.0 | 0.00 | -2.127 | 0.000000 |
| Mulawa 33kV | 10/01/2020 15:00:00 | 61 | 2250.0 | 305.0 | 0.0 | -305.0 | 13.56 | 0.00 | 0.000 | 0.000000 |
| Mulawa 33kV | 10/01/2020 15:15:00 | 62 | 2250.0 | 307.5 | 0.0 | -307.5 | 13.67 | 0.00 | -2.992 | 0.000000 |
| Mulawa 33kV | 10/01/2020 15:30:00 | 63 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -4.995 | 0.000000 |
| Mulawa 33kV | 10/01/2020 15:45:00 | 64 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | -4.327 | 0.000000 |
| Mulawa 33kV | 10/01/2020 16:00:00 | 65 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -4.995 | 0.000000 |
| Mulawa 33kV | 10/01/2020 16:15:00 | 66 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -8.000 | 0.000000 |
| Mulawa 33kV | 10/01/2020 16:30:00 | 67 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | -8.000 | 0.000000 |
| Mulawa 33kV | 10/01/2020 16:45:00 | 68 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | 4.327 | 0.000000 |
| Mulawa 33kV | 10/01/2020 17:00:00 | 69 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | 0.532 | 0.000000 |
| Mulawa 33kV | 10/01/2020 17:15:00 | 70 | 2250.0 | 310.0 | 0.0 | -310.0 | 13.78 | 0.00 | -1.595 | 0.000000 |
| Mulawa 33kV | 10/01/2020 17:30:00 | 71 | 2250.0 | 327.5 | 0.0 | -327.5 | 14.56 | 0.00 | -2.658 | 0.000000 |
| Mulawa 33kV | 10/01/2020 17:45:00 | 72 | 2250.0 | 335.0 | 0.0 | -335.0 | 14.89 | 0.00 | -2.127 | 0.000000 |
| Mulawa 33kV | 10/01/2020 18:00:00 | 73 | 2250.0 | 292.5 | 0.0 | -292.5 | 13.0 | 0.00 | -1.461 | 0.000000 |
| Mulawa 33kV | 10/01/2020 18:15:00 | 74 | 2250.0 | 305.0 | 0.0 | -305.0 | 13.56 | 0.00 | 3.326 | 107.181941 |
| Mulawa 33kV | 10/01/2020 18:30:00 | 75 | 2250.0 | 307.5 | 0.0 | -307.5 | 13.67 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mulawa 33kV | 10/01/2020 18:45:00 | 76 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | 3.994 | 52.163864 |
| Mulawa 33kV | 10/01/2020 19:00:00 | 77 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | -2.127 | 0.000000 |
| Mulawa 33kV | 10/01/2020 19:15:00 | 78 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -2.658 | 0.000000 |
| Mulawa 33kV | 10/01/2020 19:30:00 | 79 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | -3.660 | 0.000000 |
| Mulawa 33kV | 10/01/2020 19:45:00 | 80 | 2250.0 | 310.0 | 0.0 | -310.0 | 13.78 | 0.00 | -3.326 | 0.000000 |
| Mulawa 33kV | 10/01/2020 20:00:00 | 81 | 2250.0 | 327.5 | 0.0 | -327.5 | 14.56 | 0.00 | 3.660 | 79.834292 |
| Mulawa 33kV | 10/01/2020 20:15:00 | 82 | 2250.0 | 335.0 | 0.0 | -335.0 | 14.89 | 0.00 | 3.660 | 350.695228 |
| Mulawa 33kV | 10/01/2020 20:30:00 | 83 | 2250.0 | 292.5 | 0.0 | -292.5 | 13.0 | 0.00 | 4.995 | 434.702173 |
| Mulawa 33kV | 10/01/2020 20:45:00 | 84 | 2250.0 | 305.0 | 0.0 | -305.0 | 13.56 | 0.00 | 2.992 | 320.533536 |
| Mulawa 33kV | 10/01/2020 21:00:00 | 85 | 2250.0 | 307.5 | 0.0 | -307.5 | 13.67 | 0.00 | -3.660 | 0.000000 |
| Mulawa 33kV | 10/01/2020 21:15:00 | 86 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -1.595 | 0.000000 |
| Mulawa 33kV | 10/01/2020 21:30:00 | 87 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | -1.063 | 0.000000 |
| Mulawa 33kV | 10/01/2020 21:45:00 | 88 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -0.532 | 0.000000 |
| Mulawa 33kV | 10/01/2020 22:00:00 | 89 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | -1.595 | 0.000000 |
| Mulawa 33kV | 10/01/2020 22:15:00 | 90 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | -2.127 | 0.000000 |
| Mulawa 33kV | 10/01/2020 22:30:00 | 91 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | 1.063 | 0.000000 |
| Mulawa 33kV | 10/01/2020 22:45:00 | 92 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | -2.658 | 0.000000 |
| Mulawa 33kV | 10/01/2020 23:00:00 | 93 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | -2.658 | 0.000000 |
| Mulawa 33kV | 10/01/2020 23:15:00 | 94 | 2250.0 | 332.5 | 0.0 | -332.5 | 14.78 | 0.00 | 0.000 | 0.000000 |
| Mulawa 33kV | 10/01/2020 23:30:00 | 95 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | 0.000 | 0.000000 |
| Mulawa 33kV | 10/01/2020 23:45:00 | 96 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mulawa 33kV | 11/01/2020 00:00:00 | 1 | 2250.0 | 327.5 | 0.0 | -327.5 | 14.56 | 0.00 | 0.000 | 0.000000 |
| Mulawa 33kV | 11/01/2020 00:15:00 | 2 | 2250.0 | 332.5 | 0.0 | -332.5 | 14.78 | 0.00 | -2.629 | 0.000000 |
| Mulawa 33kV | 11/01/2020 00:30:00 | 3 | 2250.0 | 327.5 | 0.0 | -327.5 | 14.56 | 0.00 | -1.577 | 0.000000 |
| Mulawa 33kV | 11/01/2020 00:45:00 | 4 | 2250.0 | 335.0 | 0.0 | -335.0 | 14.89 | 0.00 | 2.103 | 0.000000 |
| Mulawa 33kV | 11/01/2020 01:00:00 | 5 | 2250.0 | 292.5 | 0.0 | -292.5 | 13.0 | 0.00 | 2.964 | 137.420365 |
| Mulawa 33kV | 11/01/2020 01:15:00 | 6 | 2250.0 | 305.0 | 0.0 | -305.0 | 13.56 | 0.00 | 1.052 | 20.115305 |
| Mulawa 33kV | 11/01/2020 01:30:00 | 7 | 2250.0 | 307.5 | 0.0 | -307.5 | 13.67 | 0.00 | 1.577 | 36.106581 |
| Mulawa 33kV | 11/01/2020 01:45:00 | 8 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -0.526 | 0.000000 |
| Mulawa 33kV | 11/01/2020 02:00:00 | 9 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | -0.403 | 0.000000 |
| Mulawa 33kV | 11/01/2020 02:15:00 | 10 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -0.630 | 0.000000 |
| Mulawa 33kV | 11/01/2020 02:30:00 | 11 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | -0.526 | 0.000000 |
| Mulawa 33kV | 11/01/2020 02:45:00 | 12 | 2250.0 | 310.0 | 0.0 | -310.0 | 13.78 | 0.00 | -0.526 | 0.000000 |
| Mulawa 33kV | 11/01/2020 03:00:00 | 13 | 2250.0 | 327.5 | 0.0 | -327.5 | 14.56 | 0.00 | -1.051 | 0.000000 |
| Mulawa 33kV | 11/01/2020 03:15:00 | 14 | 2250.0 | 335.0 | 0.0 | -335.0 | 14.89 | 0.00 | 0.000 | 0.000000 |
| Mulawa 33kV | 11/01/2020 03:30:00 | 15 | 2250.0 | 292.5 | 0.0 | -292.5 | 13.0 | 0.00 | 0.000 | 0.000000 |
| Mulawa 33kV | 11/01/2020 03:45:00 | 16 | 2250.0 | 305.0 | 0.0 | -305.0 | 13.56 | 0.00 | 0.000 | 0.000000 |
| Mulawa 33kV | 11/01/2020 04:00:00 | 17 | 2250.0 | 307.5 | 0.0 | -307.5 | 13.67 | 0.00 | 0.000 | 0.000000 |
| Mulawa 33kV | 11/01/2020 04:15:00 | 18 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -1.051 | 0.000000 |
| Mulawa 33kV | 11/01/2020 04:30:00 | 19 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | -2.964 | 0.000000 |
| Mulawa 33kV | 11/01/2020 04:45:00 | 20 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -3.300 | 0.000000 |
| Mulawa 33kV | 11/01/2020 05:00:00 | 21 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mulawa 33kV | 11/01/2020 05:15:00 | 22 | 2250.0 | 310.0 | 0.0 | -310.0 | 13.78 | 0.00 | 5.314 | 388.428287 |
| Mulawa 33kV | 11/01/2020 05:30:00 | 23 | 2250.0 | 327.5 | 0.0 | -327.5 | 14.56 | 0.00 | 2.964 | 198.285286 |
| Mulawa 33kV | 11/01/2020 05:45:00 | 24 | 2250.0 | 335.0 | 0.0 | -335.0 | 14.89 | 0.00 | 2.103 | 0.000000 |
| Mulawa 33kV | 11/01/2020 06:00:00 | 25 | 2250.0 | 292.5 | 0.0 | -292.5 | 13.0 | 0.00 | 3.636 | 0.000000 |
| Mulawa 33kV | 11/01/2020 06:15:00 | 26 | 2250.0 | 305.0 | 0.0 | -305.0 | 13.56 | 0.00 | 2.964 | 0.000000 |
| Mulawa 33kV | 11/01/2020 06:30:00 | 27 | 2250.0 | 307.5 | 0.0 | -307.5 | 13.67 | 0.00 | 4.105 | 225.898882 |
| Mulawa 33kV | 11/01/2020 06:45:00 | 28 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | 5.650 | 48.328844 |
| Mulawa 33kV | 11/01/2020 07:00:00 | 29 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | 3.300 | 0.000000 |
| Mulawa 33kV | 11/01/2020 07:15:00 | 30 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | 5.314 | 0.000000 |
| Mulawa 33kV | 11/01/2020 07:30:00 | 31 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | 2.964 | 0.000000 |
| Mulawa 33kV | 11/01/2020 07:45:00 | 32 | 2250.0 | 310.0 | 0.0 | -310.0 | 13.78 | 0.00 | 2.103 | 0.000000 |
| Mulawa 33kV | 11/01/2020 08:00:00 | 33 | 2250.0 | 327.5 | 0.0 | -327.5 | 14.56 | 0.00 | -1.577 | 0.000000 |
| Mulawa 33kV | 11/01/2020 08:15:00 | 34 | 2250.0 | 335.0 | 0.0 | -335.0 | 14.89 | 0.00 | 3.300 | 0.000000 |
| Mulawa 33kV | 11/01/2020 08:30:00 | 35 | 2250.0 | 292.5 | 0.0 | -292.5 | 13.0 | 0.00 | 2.116 | 0.000000 |
| Mulawa 33kV | 11/01/2020 08:45:00 | 36 | 2250.0 | 305.0 | 0.0 | -305.0 | 13.56 | 0.00 | 2.964 | 0.000000 |
| Mulawa 33kV | 11/01/2020 09:00:00 | 37 | 2250.0 | 307.5 | 0.0 | -307.5 | 13.67 | 0.00 | 6.681 | 0.000000 |
| Mulawa 33kV | 11/01/2020 09:15:00 | 38 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | 6.657 | 0.000000 |
| Mulawa 33kV | 11/01/2020 09:30:00 | 39 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | -6.322 | 0.000000 |
| Mulawa 33kV | 11/01/2020 09:45:00 | 40 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -2.103 | 0.000000 |
| Mulawa 33kV | 11/01/2020 10:00:00 | 41 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | 0.526 | 0.000000 |
| Mulawa 33kV | 11/01/2020 10:15:00 | 42 | 2250.0 | 310.0 | 0.0 | -310.0 | 13.78 | 0.00 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mulawa 33kV | 11/01/2020 10:30:00 | 43 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | 0.000 | 0.000000 |
| Mulawa 33kV | 11/01/2020 10:45:00 | 44 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | 0.000 | 0.000000 |
| Mulawa 33kV | 11/01/2020 11:00:00 | 45 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | 0.000 | 0.000000 |
| Mulawa 33kV | 11/01/2020 11:15:00 | 46 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | -2.964 | 0.000000 |
| Mulawa 33kV | 11/01/2020 11:30:00 | 47 | 2250.0 | 310.0 | 0.0 | -310.0 | 13.78 | 0.00 | -4.307 | 0.000000 |
| Mulawa 33kV | 11/01/2020 11:45:00 | 48 | 2250.0 | 327.5 | 0.0 | -327.5 | 14.56 | 0.00 | -3.300 | 0.000000 |
| Mulawa 33kV | 11/01/2020 12:00:00 | 49 | 2250.0 | 335.0 | 0.0 | -335.0 | 14.89 | 0.00 | -0.526 | 0.000000 |
| Mulawa 33kV | 11/01/2020 12:15:00 | 50 | 2250.0 | 292.5 | 0.0 | -292.5 | 13.0 | 0.00 | -2.103 | 0.000000 |
| Mulawa 33kV | 11/01/2020 12:30:00 | 51 | 2250.0 | 305.0 | 0.0 | -305.0 | 13.56 | 0.00 | -2.629 | 0.000000 |
| Mulawa 33kV | 11/01/2020 12:45:00 | 52 | 2250.0 | 307.5 | 0.0 | -307.5 | 13.67 | 0.00 | -2.629 | 0.000000 |
| Mulawa 33kV | 11/01/2020 13:00:00 | 53 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | 0.000 | 0.000000 |
| Mulawa 33kV | 11/01/2020 13:15:00 | 54 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | -2.103 | 0.000000 |
| Mulawa 33kV | 11/01/2020 13:30:00 | 55 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | 2.629 | 0.000000 |
| Mulawa 33kV | 11/01/2020 13:45:00 | 56 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | 2.103 | 0.000000 |
| Mulawa 33kV | 11/01/2020 14:00:00 | 57 | 2250.0 | 310.0 | 0.0 | -310.0 | 13.78 | 0.00 | 1.051 | 0.000000 |
| Mulawa 33kV | 11/01/2020 14:15:00 | 58 | 2250.0 | 327.5 | 0.0 | -327.5 | 14.56 | 0.00 | 3.300 | 0.000000 |
| Mulawa 33kV | 11/01/2020 14:30:00 | 59 | 2250.0 | 335.0 | 0.0 | -335.0 | 14.89 | 0.00 | -3.636 | 0.000000 |
| Mulawa 33kV | 11/01/2020 14:45:00 | 60 | 2250.0 | 292.5 | 0.0 | -292.5 | 13.0 | 0.00 | 4.979 | 0.000000 |
| Mulawa 33kV | 11/01/2020 15:00:00 | 61 | 2250.0 | 305.0 | 0.0 | -305.0 | 13.56 | 0.00 | -2.964 | 0.000000 |
| Mulawa 33kV | 11/01/2020 15:15:00 | 62 | 2250.0 | 307.5 | 0.0 | -307.5 | 13.67 | 0.00 | -5.314 | 0.000000 |
| Mulawa 33kV | 11/01/2020 15:30:00 | 63 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mulawa 33kV | 11/01/2020 15:45:00 | 64 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | 4.643 | 0.000000 |
| Mulawa 33kV | 11/01/2020 16:00:00 | 65 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | 2.103 | 0.000000 |
| Mulawa 33kV | 11/01/2020 16:15:00 | 66 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -2.964 | 0.000000 |
| Mulawa 33kV | 11/01/2020 16:30:00 | 67 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | -2.103 | 0.000000 |
| Mulawa 33kV | 11/01/2020 16:45:00 | 68 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | 3.972 | 0.000000 |
| Mulawa 33kV | 11/01/2020 17:00:00 | 69 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | -1.577 | 0.000000 |
| Mulawa 33kV | 11/01/2020 17:15:00 | 70 | 2250.0 | 310.0 | 0.0 | -310.0 | 13.78 | 0.00 | -1.577 | 0.000000 |
| Mulawa 33kV | 11/01/2020 17:30:00 | 71 | 2250.0 | 327.5 | 0.0 | -327.5 | 14.56 | 0.00 | 1.051 | 4.178685 |
| Mulawa 33kV | 11/01/2020 17:45:00 | 72 | 2250.0 | 335.0 | 0.0 | -335.0 | 14.89 | 0.00 | -2.103 | 0.000000 |
| Mulawa 33kV | 11/01/2020 18:00:00 | 73 | 2250.0 | 292.5 | 0.0 | -292.5 | 13.0 | 0.00 | -2.964 | 0.000000 |
| Mulawa 33kV | 11/01/2020 18:15:00 | 74 | 2250.0 | 305.0 | 0.0 | -305.0 | 13.56 | 0.00 | -2.629 | 0.000000 |
| Mulawa 33kV | 11/01/2020 18:30:00 | 75 | 2250.0 | 307.5 | 0.0 | -307.5 | 13.67 | 0.00 | 2.103 | 10.809391 |
| Mulawa 33kV | 11/01/2020 18:45:00 | 76 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | 0.526 | 32.164632 |
| Mulawa 33kV | 11/01/2020 19:00:00 | 77 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | 2.103 | 123.660941 |
| Mulawa 33kV | 11/01/2020 19:15:00 | 78 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -1.052 | 0.000000 |
| Mulawa 33kV | 11/01/2020 19:30:00 | 79 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | 2.964 | 0.000000 |
| Mulawa 33kV | 11/01/2020 19:45:00 | 80 | 2250.0 | 310.0 | 0.0 | -310.0 | 13.78 | 0.00 | 2.629 | 230.589462 |
| Mulawa 33kV | 11/01/2020 20:00:00 | 81 | 2250.0 | 327.5 | 0.0 | -327.5 | 14.56 | 0.00 | 2.629 | 53.261564 |
| Mulawa 33kV | 11/01/2020 20:15:00 | 82 | 2250.0 | 335.0 | 0.0 | -335.0 | 14.89 | 0.00 | 4.307 | 179.652220 |
| Mulawa 33kV | 11/01/2020 20:30:00 | 83 | 2250.0 | 292.5 | 0.0 | -292.5 | 13.0 | 0.00 | 2.964 | 402.190773 |
| Mulawa 33kV | 11/01/2020 20:45:00 | 84 | 2250.0 | 305.0 | 0.0 | -305.0 | 13.56 | 0.00 | 2.629 | 359.992386 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mulawa 33kV | 11/01/2020 21:00:00 | 85 | 2250.0 | 307.5 | 0.0 | -307.5 | 13.67 | 0.00 | 3.636 | 65.918179 |
| Mulawa 33kV | 11/01/2020 21:15:00 | 86 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -1.577 | 0.000000 |
| Mulawa 33kV | 11/01/2020 21:30:00 | 87 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | -1.577 | 0.000000 |
| Mulawa 33kV | 11/01/2020 21:45:00 | 88 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -1.052 | 0.000000 |
| Mulawa 33kV | 11/01/2020 22:00:00 | 89 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | -5.650 | 0.000000 |
| Mulawa 33kV | 11/01/2020 22:15:00 | 90 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | -5.650 | 0.000000 |
| Mulawa 33kV | 11/01/2020 22:30:00 | 91 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | 4.979 | 159.111709 |
| Mulawa 33kV | 11/01/2020 22:45:00 | 92 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | 2.964 | 207.234369 |
| Mulawa 33kV | 11/01/2020 23:00:00 | 93 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | 1.577 | 51.601353 |
| Mulawa 33kV | 11/01/2020 23:15:00 | 94 | 2250.0 | 332.5 | 0.0 | -332.5 | 14.78 | 0.00 | 1.074 | 42.526644 |
| Mulawa 33kV | 11/01/2020 23:30:00 | 95 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | 2.113 | 180.152619 |
| Mulawa 33kV | 11/01/2020 23:45:00 | 96 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | 2.162 | 224.819322 |
| Mulawa 33kV | 12/01/2020 00:00:00 | 1 | 2250.0 | 327.5 | 0.0 | -327.5 | 14.56 | 0.00 | 3.022 | 201.434747 |
| Mulawa 33kV | 12/01/2020 00:15:00 | 2 | 2250.0 | 332.5 | 0.0 | -332.5 | 14.78 | 0.00 | -2.152 | 0.000000 |
| Mulawa 33kV | 12/01/2020 00:30:00 | 3 | 2250.0 | 327.5 | 0.0 | -327.5 | 14.56 | 0.00 | -2.152 | 0.000000 |
| Mulawa 33kV | 12/01/2020 00:45:00 | 4 | 2250.0 | 335.0 | 0.0 | -335.0 | 14.89 | 0.00 | -3.022 | 0.000000 |
| Mulawa 33kV | 12/01/2020 01:00:00 | 5 | 2250.0 | 292.5 | 0.0 | -292.5 | 13.0 | 0.00 | -0.629 | 0.000000 |
| Mulawa 33kV | 12/01/2020 01:15:00 | 6 | 2250.0 | 305.0 | 0.0 | -305.0 | 13.56 | 0.00 | -3.317 | 0.000000 |
| Mulawa 33kV | 12/01/2020 01:30:00 | 7 | 2250.0 | 307.5 | 0.0 | -307.5 | 13.67 | 0.00 | -3.354 | 0.000000 |
| Mulawa 33kV | 12/01/2020 01:45:00 | 8 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -3.022 | 0.000000 |
| Mulawa 33kV | 12/01/2020 02:00:00 | 9 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mulawa 33kV | 12/01/2020 02:15:00 | 10 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -3.022 | 0.000000 |
| Mulawa 33kV | 12/01/2020 02:30:00 | 11 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | -2.690 | 0.000000 |
| Mulawa 33kV | 12/01/2020 02:45:00 | 12 | 2250.0 | 310.0 | 0.0 | -310.0 | 13.78 | 0.00 | -3.022 | 0.000000 |
| Mulawa 33kV | 12/01/2020 03:00:00 | 13 | 2250.0 | 327.5 | 0.0 | -327.5 | 14.56 | 0.00 | 3.354 | 155.067016 |
| Mulawa 33kV | 12/01/2020 03:15:00 | 14 | 2250.0 | 335.0 | 0.0 | -335.0 | 14.89 | 0.00 | 3.022 | 194.522807 |
| Mulawa 33kV | 12/01/2020 03:30:00 | 15 | 2250.0 | 292.5 | 0.0 | -292.5 | 13.0 | 0.00 | 3.354 | 62.995620 |
| Mulawa 33kV | 12/01/2020 03:45:00 | 16 | 2250.0 | 305.0 | 0.0 | -305.0 | 13.56 | 0.00 | 2.152 | 0.000000 |
| Mulawa 33kV | 12/01/2020 04:00:00 | 17 | 2250.0 | 307.5 | 0.0 | -307.5 | 13.67 | 0.00 | -2.152 | 0.000000 |
| Mulawa 33kV | 12/01/2020 04:15:00 | 18 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -3.022 | 0.000000 |
| Mulawa 33kV | 12/01/2020 04:30:00 | 19 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | 1.076 | 0.000000 |
| Mulawa 33kV | 12/01/2020 04:45:00 | 20 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -3.022 | 0.000000 |
| Mulawa 33kV | 12/01/2020 05:00:00 | 21 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | 3.686 | 0.000000 |
| Mulawa 33kV | 12/01/2020 05:15:00 | 22 | 2250.0 | 310.0 | 0.0 | -310.0 | 13.78 | 0.00 | 3.686 | 342.013928 |
| Mulawa 33kV | 12/01/2020 05:30:00 | 23 | 2250.0 | 327.5 | 0.0 | -327.5 | 14.56 | 0.00 | -1.614 | 0.000000 |
| Mulawa 33kV | 12/01/2020 05:45:00 | 24 | 2250.0 | 335.0 | 0.0 | -335.0 | 14.89 | 0.00 | -0.496 | 0.000000 |
| Mulawa 33kV | 12/01/2020 06:00:00 | 25 | 2250.0 | 292.5 | 0.0 | -292.5 | 13.0 | 0.00 | 0.000 | 0.000000 |
| Mulawa 33kV | 12/01/2020 06:15:00 | 26 | 2250.0 | 305.0 | 0.0 | -305.0 | 13.56 | 0.00 | -0.430 | 0.000000 |
| Mulawa 33kV | 12/01/2020 06:30:00 | 27 | 2250.0 | 307.5 | 0.0 | -307.5 | 13.67 | 0.00 | -2.152 | 0.000000 |
| Mulawa 33kV | 12/01/2020 06:45:00 | 28 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | 4.681 | 0.000000 |
| Mulawa 33kV | 12/01/2020 07:00:00 | 29 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | 1.614 | 0.000000 |
| Mulawa 33kV | 12/01/2020 07:15:00 | 30 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | 3.838 | 258.642621 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mulawa 33kV | 12/01/2020 07:30:00 | 31 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | 3.022 | 0.000000 |
| Mulawa 33kV | 12/01/2020 07:45:00 | 32 | 2250.0 | 310.0 | 0.0 | -310.0 | 13.78 | 0.00 | 2.690 | 0.000000 |
| Mulawa 33kV | 12/01/2020 08:00:00 | 33 | 2250.0 | 327.5 | 0.0 | -327.5 | 14.56 | 0.00 | -2.690 | 0.000000 |
| Mulawa 33kV | 12/01/2020 08:15:00 | 34 | 2250.0 | 335.0 | 0.0 | -335.0 | 14.89 | 0.00 | -4.018 | 0.000000 |
| Mulawa 33kV | 12/01/2020 08:30:00 | 35 | 2250.0 | 292.5 | 0.0 | -292.5 | 13.0 | 0.00 | -2.690 | 0.000000 |
| Mulawa 33kV | 12/01/2020 08:45:00 | 36 | 2250.0 | 305.0 | 0.0 | -305.0 | 13.56 | 0.00 | 3.022 | 0.000000 |
| Mulawa 33kV | 12/01/2020 09:00:00 | 37 | 2250.0 | 307.5 | 0.0 | -307.5 | 13.67 | 0.00 | -3.354 | 0.000000 |
| Mulawa 33kV | 12/01/2020 09:15:00 | 38 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -4.350 | 0.000000 |
| Mulawa 33kV | 12/01/2020 09:30:00 | 39 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | 2.152 | 0.000000 |
| Mulawa 33kV | 12/01/2020 09:45:00 | 40 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -2.690 | 0.000000 |
| Mulawa 33kV | 12/01/2020 10:00:00 | 41 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | -3.354 | 0.000000 |
| Mulawa 33kV | 12/01/2020 10:15:00 | 42 | 2250.0 | 310.0 | 0.0 | -310.0 | 13.78 | 0.00 | -3.686 | 0.000000 |
| Mulawa 33kV | 12/01/2020 10:30:00 | 43 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -1.614 | 0.000000 |
| Mulawa 33kV | 12/01/2020 10:45:00 | 44 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | 3.686 | 0.000000 |
| Mulawa 33kV | 12/01/2020 11:00:00 | 45 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -3.354 | 0.000000 |
| Mulawa 33kV | 12/01/2020 11:15:00 | 46 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | -5.450 | 0.000000 |
| Mulawa 33kV | 12/01/2020 11:30:00 | 47 | 2250.0 | 310.0 | 0.0 | -310.0 | 13.78 | 0.00 | -6.009 | 0.000000 |
| Mulawa 33kV | 12/01/2020 11:45:00 | 48 | 2250.0 | 327.5 | 0.0 | -327.5 | 14.56 | 0.00 | 2.690 | 0.000000 |
| Mulawa 33kV | 12/01/2020 12:00:00 | 49 | 2250.0 | 335.0 | 0.0 | -335.0 | 14.89 | 0.00 | 3.686 | 0.000000 |
| Mulawa 33kV | 12/01/2020 12:15:00 | 50 | 2250.0 | 292.5 | 0.0 | -292.5 | 13.0 | 0.00 | -5.345 | 0.000000 |
| Mulawa 33kV | 12/01/2020 12:30:00 | 51 | 2250.0 | 305.0 | 0.0 | -305.0 | 13.56 | 0.00 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mulawa 33kV | 12/01/2020 12:45:00 | 52 | 2250.0 | 307.5 | 0.0 | -307.5 | 13.67 | 0.00 | -5.345 | 0.000000 |
| Mulawa 33kV | 12/01/2020 13:00:00 | 53 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -3.999 | 0.000000 |
| Mulawa 33kV | 12/01/2020 13:15:00 | 54 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | -4.350 | 0.000000 |
| Mulawa 33kV | 12/01/2020 13:30:00 | 55 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -1.076 | 0.000000 |
| Mulawa 33kV | 12/01/2020 13:45:00 | 56 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | -2.690 | 0.000000 |
| Mulawa 33kV | 12/01/2020 14:00:00 | 57 | 2250.0 | 310.0 | 0.0 | -310.0 | 13.78 | 0.00 | -0.538 | 0.000000 |
| Mulawa 33kV | 12/01/2020 14:15:00 | 58 | 2250.0 | 327.5 | 0.0 | -327.5 | 14.56 | 0.00 | -2.152 | 0.000000 |
| Mulawa 33kV | 12/01/2020 14:30:00 | 59 | 2250.0 | 335.0 | 0.0 | -335.0 | 14.89 | 0.00 | -2.690 | 0.000000 |
| Mulawa 33kV | 12/01/2020 14:45:00 | 60 | 2250.0 | 292.5 | 0.0 | -292.5 | 13.0 | 0.00 | -1.076 | 0.000000 |
| Mulawa 33kV | 12/01/2020 15:00:00 | 61 | 2250.0 | 305.0 | 0.0 | -305.0 | 13.56 | 0.00 | 0.000 | 0.000000 |
| Mulawa 33kV | 12/01/2020 15:15:00 | 62 | 2250.0 | 307.5 | 0.0 | -307.5 | 13.67 | 0.00 | -2.690 | 0.000000 |
| Mulawa 33kV | 12/01/2020 15:30:00 | 63 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -3.022 | 0.000000 |
| Mulawa 33kV | 12/01/2020 15:45:00 | 64 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | -3.686 | 0.000000 |
| Mulawa 33kV | 12/01/2020 16:00:00 | 65 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -3.737 | 0.000000 |
| Mulawa 33kV | 12/01/2020 16:15:00 | 66 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -5.786 | 0.000000 |
| Mulawa 33kV | 12/01/2020 16:30:00 | 67 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | -4.350 | 0.000000 |
| Mulawa 33kV | 12/01/2020 16:45:00 | 68 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -1.614 | 0.000000 |
| Mulawa 33kV | 12/01/2020 17:00:00 | 69 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | 0.000 | 0.000000 |
| Mulawa 33kV | 12/01/2020 17:15:00 | 70 | 2250.0 | 310.0 | 0.0 | -310.0 | 13.78 | 0.00 | 2.690 | 80.368663 |
| Mulawa 33kV | 12/01/2020 17:30:00 | 71 | 2250.0 | 327.5 | 0.0 | -327.5 | 14.56 | 0.00 | -3.022 | 0.000000 |
| Mulawa 33kV | 12/01/2020 17:45:00 | 72 | 2250.0 | 335.0 | 0.0 | -335.0 | 14.89 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mulawa 33kV | 12/01/2020 18:00:00 | 73 | 2250.0 | 292.5 | 0.0 | -292.5 | 13.0 | 0.00 | -0.538 | 0.000000 |
| Mulawa 33kV | 12/01/2020 18:15:00 | 74 | 2250.0 | 305.0 | 0.0 | -305.0 | 13.56 | 0.00 | -4.350 | 0.000000 |
| Mulawa 33kV | 12/01/2020 18:30:00 | 75 | 2250.0 | 307.5 | 0.0 | -307.5 | 13.67 | 0.00 | 2.690 | 52.879280 |
| Mulawa 33kV | 12/01/2020 18:45:00 | 76 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | 3.022 | 346.208208 |
| Mulawa 33kV | 12/01/2020 19:00:00 | 77 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | 3.686 | 107.646765 |
| Mulawa 33kV | 12/01/2020 19:15:00 | 78 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | 2.690 | 6.600955 |
| Mulawa 33kV | 12/01/2020 19:30:00 | 79 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | -3.022 | 0.000000 |
| Mulawa 33kV | 12/01/2020 19:45:00 | 80 | 2250.0 | 310.0 | 0.0 | -310.0 | 13.78 | 0.00 | -1.781 | 0.000000 |
| Mulawa 33kV | 12/01/2020 20:00:00 | 81 | 2250.0 | 327.5 | 0.0 | -327.5 | 14.56 | 0.00 | -3.021 | 0.000000 |
| Mulawa 33kV | 12/01/2020 20:15:00 | 82 | 2250.0 | 335.0 | 0.0 | -335.0 | 14.89 | 0.00 | -4.018 | 0.000000 |
| Mulawa 33kV | 12/01/2020 20:30:00 | 83 | 2250.0 | 292.5 | 0.0 | -292.5 | 13.0 | 0.00 | -3.354 | 0.000000 |
| Mulawa 33kV | 12/01/2020 20:45:00 | 84 | 2250.0 | 305.0 | 0.0 | -305.0 | 13.56 | 0.00 | -1.614 | 0.000000 |
| Mulawa 33kV | 12/01/2020 21:00:00 | 85 | 2250.0 | 307.5 | 0.0 | -307.5 | 13.67 | 0.00 | -4.350 | 0.000000 |
| Mulawa 33kV | 12/01/2020 21:15:00 | 86 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | -3.686 | 0.000000 |
| Mulawa 33kV | 12/01/2020 21:30:00 | 87 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | -1.614 | 0.000000 |
| Mulawa 33kV | 12/01/2020 21:45:00 | 88 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | 0.000 | 0.000000 |
| Mulawa 33kV | 12/01/2020 22:00:00 | 89 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | -3.354 | 0.000000 |
| Mulawa 33kV | 12/01/2020 22:15:00 | 90 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | 4.350 | 402.913764 |
| Mulawa 33kV | 12/01/2020 22:30:00 | 91 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | 5.215 | 759.870082 |
| Mulawa 33kV | 12/01/2020 22:45:00 | 92 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | 3.022 | 74.385181 |
| Mulawa 33kV | 12/01/2020 23:00:00 | 93 | 2250.0 | 330.0 | 0.0 | -330.0 | 14.67 | 0.00 | 3.022 | 162.928433 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Mulawa 33kV | 12/01/2020 23:15:00 | 94 | 2250.0 | 332.5 | 0.0 | -332.5 | 14.78 | 0.00 | 2.152 | 163.459529 |
| Mulawa 33kV | 12/01/2020 23:30:00 | 95 | 2250.0 | 312.5 | 0.0 | -312.5 | 13.89 | 0.00 | 2.152 | 88.405954 |
| Mulawa 33kV | 12/01/2020 23:45:00 | 96 | 2250.0 | 302.5 | 0.0 | -302.5 | 13.44 | 0.00 | 2.152 | 98.327188 |
| Murtizapur 132kV | 06/01/2020 00:00:00 | 1 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.903 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 00:15:00 | 2 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 00:30:00 | 3 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 00:45:00 | 4 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.984 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 01:00:00 | 5 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.541 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 01:15:00 | 6 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 01:30:00 | 7 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.541 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 01:45:00 | 8 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.352 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 02:00:00 | 9 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.747 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 02:15:00 | 10 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.581 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 02:30:00 | 11 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.323 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 02:45:00 | 12 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 03:00:00 | 13 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 03:15:00 | 14 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.742 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 03:30:00 | 15 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 03:45:00 | 16 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.541 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 04:00:00 | 17 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.496 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 04:15:00 | 18 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Murtizapur 132kV | 06/01/2020 04:30:00 | 19 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.859 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 04:45:00 | 20 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.815 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 05:00:00 | 21 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.859 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 05:15:00 | 22 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.407 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 05:30:00 | 23 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.496 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 05:45:00 | 24 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.492 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 06:00:00 | 25 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.452 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 06:15:00 | 26 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -6.089 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 06:30:00 | 27 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -7.044 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 06:45:00 | 28 | 3350.0 | 2.5 | 0.0 | -2.5 | 0.07 | 0.00 | 7.682 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 07:00:00 | 29 | 3350.0 | 50.0 | 0.0 | -50.0 | 1.49 | 0.00 | -3.859 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 07:15:00 | 30 | 3350.0 | 137.5 | 0.0 | -137.5 | 4.1 | 0.00 | 4.815 | 68.271198 |
| Murtizapur 132kV | 06/01/2020 07:30:00 | 31 | 3350.0 | 250.0 | 0.0 | -250.0 | 7.46 | 0.00 | 4.178 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 07:45:00 | 32 | 3350.0 | 422.5 | 0.0 | -422.5 | 12.61 | 0.00 | -3.540 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 08:00:00 | 33 | 3350.0 | 760.0 | 0.0 | -760.0 | 22.69 | 128.75 | -3.859 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 08:15:00 | 34 | 3350.0 | 977.5 | 0.0 | -977.5 | 29.18 | 307.50 | -5.452 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 08:30:00 | 35 | 3350.0 | 1180.0 | 0.0 | -1180.0 | 35.22 | 513.75 | 4.178 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 08:45:00 | 36 | 3350.0 | 1430.0 | 0.0 | -1430.0 | 42.69 | 888.75 | -3.859 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 09:00:00 | 37 | 3350.0 | 1620.0 | 0.0 | -1620.0 | 48.36 | 1173.75 | -6.407 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 09:15:00 | 38 | 3350.0 | 1830.0 | 0.0 | -1830.0 | 54.63 | 1488.75 | -8.000 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 09:30:00 | 39 | 3350.0 | 1587.5 | 0.0 | -1587.5 | 47.39 | 1125.00 | -5.770 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Murtizapur 132kV | 06/01/2020 09:45:00 | 40 | 3350.0 | 2250.0 | 0.0 | -2250.0 | 67.16 | 2118.75 | 3.222 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 10:00:00 | 41 | 3350.0 | 2355.0 | 0.0 | -2355.0 | 70.3 | 2276.25 | -2.903 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 10:15:00 | 42 | 3350.0 | 2472.5 | 0.0 | -2472.5 | 73.81 | 2452.50 | -3.222 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 10:30:00 | 43 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | 4.815 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 10:45:00 | 44 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | 4.496 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 11:00:00 | 45 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | 16.000 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 11:15:00 | 46 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | 5.133 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 11:30:00 | 47 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | 1.182 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 11:45:00 | 48 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | 6.308 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 12:00:00 | 49 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | 6.598 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 12:15:00 | 50 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | 5.431 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 12:30:00 | 51 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | 3.540 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 12:45:00 | 52 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | -2.903 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 13:00:00 | 53 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | -1.161 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 13:15:00 | 54 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | 3.859 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 13:30:00 | 55 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | -6.407 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 13:45:00 | 56 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | 5.452 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 14:00:00 | 57 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | 5.452 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 14:15:00 | 58 | 3350.0 | 2387.5 | 0.0 | -2387.5 | 71.27 | 2325.00 | 16.000 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 14:30:00 | 59 | 3350.0 | 2277.5 | 0.0 | -2277.5 | 67.99 | 2160.00 | 6.035 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 14:45:00 | 60 | 3350.0 | 2175.0 | 0.0 | -2175.0 | 64.93 | 2006.25 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Murtizapur 132kV | 06/01/2020 15:00:00 | 61 | 3350.0 | 2012.5 | 0.0 | -2012.5 | 60.07 | 1762.50 | 3.367 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 15:15:00 | 62 | 3350.0 | 1882.5 | 0.0 | -1882.5 | 56.19 | 1567.50 | 3.904 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 15:30:00 | 63 | 3350.0 | 1687.5 | 0.0 | -1687.5 | 50.37 | 1275.00 | 4.482 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 15:45:00 | 64 | 3350.0 | 1430.0 | 0.0 | -1430.0 | 42.69 | 888.75 | 4.225 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 16:00:00 | 65 | 3350.0 | 1235.0 | 0.0 | -1235.0 | 36.87 | 596.25 | 2.895 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 16:15:00 | 66 | 3350.0 | 992.5 | 0.0 | -992.5 | 29.63 | 322.50 | 6.089 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 16:30:00 | 67 | 3350.0 | 702.5 | 0.0 | -702.5 | 20.97 | 100.00 | -8.000 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 16:45:00 | 68 | 3350.0 | 267.5 | 0.0 | -267.5 | 7.99 | 0.00 | -4.178 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 17:00:00 | 69 | 3350.0 | 162.5 | 0.0 | -162.5 | 4.85 | 0.00 | 1.742 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 17:15:00 | 70 | 3350.0 | 80.0 | 0.0 | -80.0 | 2.39 | 0.00 | 2.903 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 17:30:00 | 71 | 3350.0 | 12.5 | 0.0 | -12.5 | 0.37 | 0.00 | -4.178 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 17:45:00 | 72 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.323 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 18:00:00 | 73 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.903 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 18:15:00 | 74 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.161 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 18:30:00 | 75 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.903 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 18:45:00 | 76 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.903 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 19:00:00 | 77 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.161 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 19:15:00 | 78 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.178 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 19:30:00 | 79 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.323 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 19:45:00 | 80 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.178 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 20:00:00 | 81 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Murtizapur 132kV | 06/01/2020 20:15:00 | 82 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.770 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 20:30:00 | 83 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.770 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 20:45:00 | 84 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.178 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 21:00:00 | 85 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 21:15:00 | 86 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.742 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 21:30:00 | 87 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 21:45:00 | 88 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.161 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 22:00:00 | 89 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.815 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 22:15:00 | 90 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.859 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 22:30:00 | 91 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.742 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 22:45:00 | 92 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.323 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 23:00:00 | 93 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.903 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 23:15:00 | 94 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 23:30:00 | 95 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.222 | 0.000000 |
| Murtizapur 132kV | 06/01/2020 23:45:00 | 96 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 00:00:00 | 1 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.549 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 00:15:00 | 2 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.647 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 00:30:00 | 3 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.073 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 00:45:00 | 4 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.744 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 01:00:00 | 5 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 01:15:00 | 6 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Murtizapur 132kV | 07/01/2020 01:30:00 | 7 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 01:45:00 | 8 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 02:00:00 | 9 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.073 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 02:15:00 | 10 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.073 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 02:30:00 | 11 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.401 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 02:45:00 | 12 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.745 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 03:00:00 | 13 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 03:15:00 | 14 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.196 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 03:30:00 | 15 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 03:45:00 | 16 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.098 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 04:00:00 | 17 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 04:15:00 | 18 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.210 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 04:30:00 | 19 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 04:45:00 | 20 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.098 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 05:00:00 | 21 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.744 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 05:15:00 | 22 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 05:30:00 | 23 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.073 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 05:45:00 | 24 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 06:00:00 | 25 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.372 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 06:15:00 | 26 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.556 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 06:30:00 | 27 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.148 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Murtizapur 132kV | 07/01/2020 06:45:00 | 28 | 3350.0 | 2.5 | 0.0 | -2.5 | 0.07 | 0.00 | 7.821 | 13.225756 |
| Murtizapur 132kV | 07/01/2020 07:00:00 | 29 | 3350.0 | 50.0 | 0.0 | -50.0 | 1.49 | 0.00 | 5.372 | 132.872397 |
| Murtizapur 132kV | 07/01/2020 07:15:00 | 30 | 3350.0 | 137.5 | 0.0 | -137.5 | 4.1 | 0.00 | 16.000 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 07:30:00 | 31 | 3350.0 | 275.0 | 0.0 | -275.0 | 8.21 | 0.00 | 9.296 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 07:45:00 | 32 | 3350.0 | 432.5 | 0.0 | -432.5 | 12.91 | 0.00 | 9.794 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 08:00:00 | 33 | 3350.0 | 605.0 | 0.0 | -605.0 | 18.06 | 51.25 | 3.593 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 08:15:00 | 34 | 3350.0 | 742.5 | 0.0 | -742.5 | 22.16 | 120.00 | 3.401 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 08:30:00 | 35 | 3350.0 | 885.0 | 0.0 | -885.0 | 26.42 | 215.00 | 3.245 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 08:45:00 | 36 | 3350.0 | 1022.5 | 0.0 | -1022.5 | 30.52 | 352.50 | 0.000 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 09:00:00 | 37 | 3350.0 | 1245.0 | 0.0 | -1245.0 | 37.16 | 611.25 | 2.745 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 09:15:00 | 38 | 3350.0 | 1452.5 | 0.0 | -1452.5 | 43.36 | 922.50 | 4.715 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 09:30:00 | 39 | 3350.0 | 1655.0 | 0.0 | -1655.0 | 49.4 | 1226.25 | 3.981 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 09:45:00 | 40 | 3350.0 | 1410.0 | 0.0 | -1410.0 | 42.09 | 858.75 | 3.730 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 10:00:00 | 41 | 3350.0 | 1505.0 | 0.0 | -1505.0 | 44.93 | 1001.25 | 1.780 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 10:15:00 | 42 | 3350.0 | 1585.0 | 0.0 | -1585.0 | 47.31 | 1121.25 | 5.643 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 10:30:00 | 43 | 3350.0 | 1665.0 | 0.0 | -1665.0 | 49.7 | 1241.25 | 4.976 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 10:45:00 | 44 | 3350.0 | 1730.0 | 0.0 | -1730.0 | 51.64 | 1338.75 | 4.415 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 11:00:00 | 45 | 3350.0 | 1927.5 | 0.0 | -1927.5 | 57.54 | 1635.00 | 4.476 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 11:15:00 | 46 | 3350.0 | 2250.0 | 0.0 | -2250.0 | 67.16 | 2118.75 | 4.826 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 11:30:00 | 47 | 3350.0 | 2312.5 | 0.0 | -2312.5 | 69.03 | 2212.50 | 2.289 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 11:45:00 | 48 | 3350.0 | 2420.0 | 0.0 | -2420.0 | 72.24 | 2373.75 | -0.549 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Murtizapur 132kV | 07/01/2020 12:00:00 | 49 | 3350.0 | 2452.5 | 0.0 | -2452.5 | 73.21 | 2422.50 | 4.727 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 12:15:00 | 50 | 3350.0 | 2332.5 | 0.0 | -2332.5 | 69.63 | 2242.50 | 4.777 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 12:30:00 | 51 | 3350.0 | 2312.5 | 0.0 | -2312.5 | 69.03 | 2212.50 | 4.798 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 12:45:00 | 52 | 3350.0 | 2230.0 | 0.0 | -2230.0 | 66.57 | 2088.75 | -3.401 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 13:00:00 | 53 | 3350.0 | 2235.0 | 0.0 | -2235.0 | 66.72 | 2096.25 | -2.431 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 13:15:00 | 54 | 3350.0 | 2270.0 | 0.0 | -2270.0 | 67.76 | 2148.75 | -4.387 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 13:30:00 | 55 | 3350.0 | 2210.0 | 0.0 | -2210.0 | 65.97 | 2058.75 | -3.401 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 13:45:00 | 56 | 3350.0 | 2115.0 | 0.0 | -2115.0 | 63.13 | 1916.25 | -5.044 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 14:00:00 | 57 | 3350.0 | 2002.5 | 0.0 | -2002.5 | 59.78 | 1747.50 | 4.215 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 14:15:00 | 58 | 3350.0 | 1870.0 | 0.0 | -1870.0 | 55.82 | 1548.75 | 9.552 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 14:30:00 | 59 | 3350.0 | 1702.5 | 0.0 | -1702.5 | 50.82 | 1297.50 | 6.358 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 14:45:00 | 60 | 3350.0 | 1600.0 | 0.0 | -1600.0 | 47.76 | 1143.75 | 2.744 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 15:00:00 | 61 | 3350.0 | 1457.5 | 0.0 | -1457.5 | 43.51 | 930.00 | -3.073 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 15:15:00 | 62 | 3350.0 | 1305.0 | 0.0 | -1305.0 | 38.96 | 701.25 | -4.058 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 15:30:00 | 63 | 3350.0 | 1222.5 | 0.0 | -1222.5 | 36.49 | 577.50 | -4.831 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 15:45:00 | 64 | 3350.0 | 980.0 | 0.0 | -980.0 | 29.25 | 310.00 | -5.372 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 16:00:00 | 65 | 3350.0 | 820.0 | 0.0 | -820.0 | 24.48 | 158.75 | 2.196 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 16:15:00 | 66 | 3350.0 | 680.0 | 0.0 | -680.0 | 20.3 | 88.75 | -3.401 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 16:30:00 | 67 | 3350.0 | 527.5 | 0.0 | -527.5 | 15.75 | 12.50 | 4.738 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 16:45:00 | 68 | 3350.0 | 342.5 | 0.0 | -342.5 | 10.22 | 0.00 | 7.343 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 17:00:00 | 69 | 3350.0 | 220.0 | 0.0 | -220.0 | 6.57 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Murtizapur 132kV | 07/01/2020 17:15:00 | 70 | 3350.0 | 140.0 | 0.0 | -140.0 | 4.18 | 0.00 | 2.744 | 23.288447 |
| Murtizapur 132kV | 07/01/2020 17:30:00 | 71 | 3350.0 | 60.0 | 0.0 | -60.0 | 1.79 | 0.00 | 3.401 | 3.961769 |
| Murtizapur 132kV | 07/01/2020 17:45:00 | 72 | 3350.0 | 15.0 | 0.0 | -15.0 | 0.45 | 0.00 | -2.745 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 18:00:00 | 73 | 3350.0 | 5.0 | 0.0 | -5.0 | 0.15 | 0.00 | -3.073 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 18:15:00 | 74 | 3350.0 | 2.5 | 0.0 | -2.5 | 0.07 | 0.00 | -5.372 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 18:30:00 | 75 | 3350.0 | 2.5 | 0.0 | -2.5 | 0.07 | 0.00 | 3.401 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 18:45:00 | 76 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 19:00:00 | 77 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.730 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 19:15:00 | 78 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.715 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 19:30:00 | 79 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 19:45:00 | 80 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.210 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 20:00:00 | 81 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.348 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 20:15:00 | 82 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.387 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 20:30:00 | 83 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.816 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 20:45:00 | 84 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.401 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 21:00:00 | 85 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 21:15:00 | 86 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 21:30:00 | 87 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.196 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 21:45:00 | 88 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.196 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 22:00:00 | 89 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.257 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 22:15:00 | 90 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Murtizapur 132kV | 07/01/2020 22:30:00 | 91 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.098 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 22:45:00 | 92 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.647 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 23:00:00 | 93 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 23:15:00 | 94 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 23:30:00 | 95 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.196 | 0.000000 |
| Murtizapur 132kV | 07/01/2020 23:45:00 | 96 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.549 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 00:00:00 | 1 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 00:15:00 | 2 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 00:30:00 | 3 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 00:45:00 | 4 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.424 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 01:00:00 | 5 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.170 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 01:15:00 | 6 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.761 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 01:30:00 | 7 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.665 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 01:45:00 | 8 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.665 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 02:00:00 | 9 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 02:15:00 | 10 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.347 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 02:30:00 | 11 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 02:45:00 | 12 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 03:00:00 | 13 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.428 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 03:15:00 | 14 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 03:30:00 | 15 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Murtizapur 132kV | 08/01/2020 03:45:00 | 16 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 04:00:00 | 17 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 04:15:00 | 18 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.665 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 04:30:00 | 19 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 04:45:00 | 20 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 05:00:00 | 21 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 05:15:00 | 22 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 05:30:00 | 23 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.428 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 05:45:00 | 24 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 06:00:00 | 25 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 06:15:00 | 26 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.220 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 06:30:00 | 27 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.387 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 06:45:00 | 28 | 3350.0 | 2.5 | 0.0 | -2.5 | 0.07 | 0.00 | -4.734 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 07:00:00 | 29 | 3350.0 | 50.0 | 0.0 | -50.0 | 1.49 | 0.00 | -4.407 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 07:15:00 | 30 | 3350.0 | 137.5 | 0.0 | -137.5 | 4.1 | 0.00 | 5.061 | 242.355205 |
| Murtizapur 132kV | 08/01/2020 07:30:00 | 31 | 3350.0 | 275.0 | 0.0 | -275.0 | 8.21 | 0.00 | 5.714 | 463.787512 |
| Murtizapur 132kV | 08/01/2020 07:45:00 | 32 | 3350.0 | 415.0 | 0.0 | -415.0 | 12.39 | 0.00 | 5.061 | 275.159279 |
| Murtizapur 132kV | 08/01/2020 08:00:00 | 33 | 3350.0 | 560.0 | 0.0 | -560.0 | 16.72 | 28.75 | 2.775 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 08:15:00 | 34 | 3350.0 | 707.5 | 0.0 | -707.5 | 21.12 | 102.50 | 2.775 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 08:30:00 | 35 | 3350.0 | 855.0 | 0.0 | -855.0 | 25.52 | 185.00 | 5.387 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 08:45:00 | 36 | 3350.0 | 1002.5 | 0.0 | -1002.5 | 29.93 | 332.50 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Murtizapur 132kV | 08/01/2020 09:00:00 | 37 | 3350.0 | 1175.0 | 0.0 | -1175.0 | 35.07 | 506.25 | 7.673 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 09:15:00 | 38 | 3350.0 | 1347.5 | 0.0 | -1347.5 | 40.22 | 765.00 | 7.673 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 09:30:00 | 39 | 3350.0 | 1522.5 | 0.0 | -1522.5 | 45.45 | 1027.50 | 3.101 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 09:45:00 | 40 | 3350.0 | 1695.0 | 0.0 | -1695.0 | 50.6 | 1286.25 | -3.101 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 10:00:00 | 41 | 3350.0 | 1755.0 | 0.0 | -1755.0 | 52.39 | 1376.25 | -3.101 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 10:15:00 | 42 | 3350.0 | 1415.0 | 0.0 | -1415.0 | 42.24 | 866.25 | -3.101 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 10:30:00 | 43 | 3350.0 | 1430.0 | 0.0 | -1430.0 | 42.69 | 888.75 | -1.665 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 10:45:00 | 44 | 3350.0 | 1620.0 | 0.0 | -1620.0 | 48.36 | 1173.75 | 0.000 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 11:00:00 | 45 | 3350.0 | 1732.5 | 0.0 | -1732.5 | 51.72 | 1342.50 | -1.486 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 11:15:00 | 46 | 3350.0 | 1977.5 | 0.0 | -1977.5 | 59.03 | 1710.00 | -1.305 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 11:30:00 | 47 | 3350.0 | 2065.0 | 0.0 | -2065.0 | 61.64 | 1841.25 | -2.425 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 11:45:00 | 48 | 3350.0 | 2105.0 | 0.0 | -2105.0 | 62.84 | 1901.25 | -2.775 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 12:00:00 | 49 | 3350.0 | 2245.0 | 0.0 | -2245.0 | 67.01 | 2111.25 | -2.083 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 12:15:00 | 50 | 3350.0 | 2062.5 | 0.0 | -2062.5 | 61.57 | 1837.50 | -3.242 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 12:30:00 | 51 | 3350.0 | 2082.5 | 0.0 | -2082.5 | 62.16 | 1867.50 | -1.330 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 12:45:00 | 52 | 3350.0 | 2102.5 | 0.0 | -2102.5 | 62.76 | 1897.50 | -0.830 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 13:00:00 | 53 | 3350.0 | 1247.5 | 0.0 | -1247.5 | 37.24 | 615.00 | 2.775 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 13:15:00 | 54 | 3350.0 | 1312.5 | 0.0 | -1312.5 | 39.18 | 712.50 | 0.000 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 13:30:00 | 55 | 3350.0 | 1322.5 | 0.0 | -1322.5 | 39.48 | 727.50 | -1.012 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 13:45:00 | 56 | 3350.0 | 1345.0 | 0.0 | -1345.0 | 40.15 | 761.25 | -1.087 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 14:00:00 | 57 | 3350.0 | 1647.5 | 0.0 | -1647.5 | 49.18 | 1215.00 | -3.101 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Murtizapur 132kV | 08/01/2020 14:15:00 | 58 | 3350.0 | 1547.5 | 0.0 | -1547.5 | 46.19 | 1065.00 | -4.081 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 14:30:00 | 59 | 3350.0 | 1342.5 | 0.0 | -1342.5 | 40.07 | 757.50 | -2.996 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 14:45:00 | 60 | 3350.0 | 1152.5 | 0.0 | -1152.5 | 34.4 | 482.50 | -3.101 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 15:00:00 | 61 | 3350.0 | 1135.0 | 0.0 | -1135.0 | 33.88 | 465.00 | -1.879 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 15:15:00 | 62 | 3350.0 | 1127.5 | 0.0 | -1127.5 | 33.66 | 457.50 | -4.081 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 15:30:00 | 63 | 3350.0 | 1002.5 | 0.0 | -1002.5 | 29.93 | 332.50 | 4.938 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 15:45:00 | 64 | 3350.0 | 840.0 | 0.0 | -840.0 | 25.07 | 170.00 | 4.719 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 16:00:00 | 65 | 3350.0 | 710.0 | 0.0 | -710.0 | 21.19 | 103.75 | 0.555 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 16:15:00 | 66 | 3350.0 | 577.5 | 0.0 | -577.5 | 17.24 | 37.50 | -4.081 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 16:30:00 | 67 | 3350.0 | 385.0 | 0.0 | -385.0 | 11.49 | 0.00 | -3.754 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 16:45:00 | 68 | 3350.0 | 345.0 | 0.0 | -345.0 | 10.3 | 0.00 | -8.000 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 17:00:00 | 69 | 3350.0 | 292.5 | 0.0 | -292.5 | 8.73 | 0.00 | 0.000 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 17:15:00 | 70 | 3350.0 | 200.0 | 0.0 | -200.0 | 5.97 | 0.00 | 4.081 | 38.365070 |
| Murtizapur 132kV | 08/01/2020 17:30:00 | 71 | 3350.0 | 110.0 | 0.0 | -110.0 | 3.28 | 0.00 | -5.387 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 17:45:00 | 72 | 3350.0 | 17.5 | 0.0 | -17.5 | 0.52 | 0.00 | -3.101 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 18:00:00 | 73 | 3350.0 | 10.0 | 0.0 | -10.0 | 0.3 | 0.00 | -2.775 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 18:15:00 | 74 | 3350.0 | 5.0 | 0.0 | -5.0 | 0.15 | 0.00 | -3.101 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 18:30:00 | 75 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 18:45:00 | 76 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.220 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 19:00:00 | 77 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 19:15:00 | 78 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Murtizapur 132kV | 08/01/2020 19:30:00 | 79 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 19:45:00 | 80 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.555 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 20:00:00 | 81 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 20:15:00 | 82 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.101 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 20:30:00 | 83 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.408 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 20:45:00 | 84 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.101 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 21:00:00 | 85 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.101 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 21:15:00 | 86 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.555 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 21:30:00 | 87 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 21:45:00 | 88 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 22:00:00 | 89 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.489 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 22:15:00 | 90 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 22:30:00 | 91 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.223 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 22:45:00 | 92 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 23:00:00 | 93 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 23:15:00 | 94 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 23:30:00 | 95 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Murtizapur 132kV | 08/01/2020 23:45:00 | 96 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 00:00:00 | 1 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 00:15:00 | 2 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 00:30:00 | 3 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Murtizapur 132kV | 09/01/2020 00:45:00 | 4 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 01:00:00 | 5 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.519 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 01:15:00 | 6 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.519 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 01:30:00 | 7 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.199 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 01:45:00 | 8 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.519 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 02:00:00 | 9 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.519 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 02:15:00 | 10 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.879 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 02:30:00 | 11 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.199 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 02:45:00 | 12 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 03:00:00 | 13 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 03:15:00 | 14 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.839 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 03:30:00 | 15 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.199 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 03:45:00 | 16 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 04:00:00 | 17 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 04:15:00 | 18 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 04:30:00 | 19 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 04:45:00 | 20 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.879 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 05:00:00 | 21 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.839 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 05:15:00 | 22 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.119 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 05:30:00 | 23 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.064 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 05:45:00 | 24 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Murtizapur 132kV | 09/01/2020 06:00:00 | 25 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.303 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 06:15:00 | 26 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.303 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 06:30:00 | 27 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.839 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 06:45:00 | 28 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 07:00:00 | 29 | 3350.0 | 32.5 | 0.0 | -32.5 | 0.97 | 0.00 | -2.879 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 07:15:00 | 30 | 3350.0 | 112.5 | 0.0 | -112.5 | 3.36 | 0.00 | 6.400 | 55.969504 |
| Murtizapur 132kV | 09/01/2020 07:30:00 | 31 | 3350.0 | 222.5 | 0.0 | -222.5 | 6.64 | 0.00 | 1.172 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 07:45:00 | 32 | 3350.0 | 395.0 | 0.0 | -395.0 | 11.79 | 0.00 | 0.576 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 08:00:00 | 33 | 3350.0 | 587.5 | 0.0 | -587.5 | 17.54 | 42.50 | -0.576 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 08:15:00 | 34 | 3350.0 | 760.0 | 0.0 | -760.0 | 22.69 | 128.75 | -1.152 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 08:30:00 | 35 | 3350.0 | 927.5 | 0.0 | -927.5 | 27.69 | 257.50 | 0.576 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 08:45:00 | 36 | 3350.0 | 972.5 | 0.0 | -972.5 | 29.03 | 302.50 | 0.000 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 09:00:00 | 37 | 3350.0 | 1402.5 | 0.0 | -1402.5 | 41.87 | 847.50 | 1.152 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 09:15:00 | 38 | 3350.0 | 1610.0 | 0.0 | -1610.0 | 48.06 | 1158.75 | 1.727 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 09:30:00 | 39 | 3350.0 | 1817.5 | 0.0 | -1817.5 | 54.25 | 1470.00 | -3.839 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 09:45:00 | 40 | 3350.0 | 1697.5 | 0.0 | -1697.5 | 50.67 | 1290.00 | -1.152 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 10:00:00 | 41 | 3350.0 | 1712.5 | 0.0 | -1712.5 | 51.12 | 1312.50 | 0.000 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 10:15:00 | 42 | 3350.0 | 1697.5 | 0.0 | -1697.5 | 50.67 | 1290.00 | 1.727 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 10:30:00 | 43 | 3350.0 | 1730.0 | 0.0 | -1730.0 | 51.64 | 1338.75 | 2.303 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 10:45:00 | 44 | 3350.0 | 1862.5 | 0.0 | -1862.5 | 55.6 | 1537.50 | -1.144 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 11:00:00 | 45 | 3350.0 | 2035.0 | 0.0 | -2035.0 | 60.75 | 1796.25 | -4.479 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Murtizapur 132kV | 09/01/2020 11:15:00 | 46 | 3350.0 | 2180.0 | 0.0 | -2180.0 | 65.07 | 2013.75 | -3.519 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 11:30:00 | 47 | 3350.0 | 1855.0 | 0.0 | -1855.0 | 55.37 | 1526.25 | -2.303 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 11:45:00 | 48 | 3350.0 | 1470.0 | 0.0 | -1470.0 | 43.88 | 948.75 | -0.576 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 12:00:00 | 49 | 3350.0 | 1582.5 | 0.0 | -1582.5 | 47.24 | 1117.50 | 0.000 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 12:15:00 | 50 | 3350.0 | 1610.0 | 0.0 | -1610.0 | 48.06 | 1158.75 | 3.839 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 12:30:00 | 51 | 3350.0 | 1720.0 | 0.0 | -1720.0 | 51.34 | 1323.75 | 3.199 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 12:45:00 | 52 | 3350.0 | 2252.5 | 0.0 | -2252.5 | 67.24 | 2122.50 | 3.199 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 13:00:00 | 53 | 3350.0 | 2230.0 | 0.0 | -2230.0 | 66.57 | 2088.75 | -1.152 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 13:15:00 | 54 | 3350.0 | 2257.5 | 0.0 | -2257.5 | 67.39 | 2130.00 | -1.152 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 13:30:00 | 55 | 3350.0 | 2282.5 | 0.0 | -2282.5 | 68.13 | 2167.50 | 1.727 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 13:45:00 | 56 | 3350.0 | 2235.0 | 0.0 | -2235.0 | 66.72 | 2096.25 | 3.199 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 14:00:00 | 57 | 3350.0 | 2187.5 | 0.0 | -2187.5 | 65.3 | 2025.00 | 4.345 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 14:15:00 | 58 | 3350.0 | 2080.0 | 0.0 | -2080.0 | 62.09 | 1863.75 | 3.941 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 14:30:00 | 59 | 3350.0 | 1975.0 | 0.0 | -1975.0 | 58.96 | 1706.25 | 1.152 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 14:45:00 | 60 | 3350.0 | 1852.5 | 0.0 | -1852.5 | 55.3 | 1522.50 | -0.576 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 15:00:00 | 61 | 3350.0 | 1727.5 | 0.0 | -1727.5 | 51.57 | 1335.00 | -1.006 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 15:15:00 | 62 | 3350.0 | 1557.5 | 0.0 | -1557.5 | 46.49 | 1080.00 | 3.199 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 15:30:00 | 63 | 3350.0 | 1390.0 | 0.0 | -1390.0 | 41.49 | 828.75 | 2.879 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 15:45:00 | 64 | 3350.0 | 1217.5 | 0.0 | -1217.5 | 36.34 | 570.00 | 3.839 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 16:00:00 | 65 | 3350.0 | 1042.5 | 0.0 | -1042.5 | 31.12 | 372.50 | 1.727 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 16:15:00 | 66 | 3350.0 | 857.5 | 0.0 | -857.5 | 25.6 | 187.50 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Murtizapur 132kV | 09/01/2020 16:30:00 | 67 | 3350.0 | 672.5 | 0.0 | -672.5 | 20.07 | 85.00 | -4.159 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 16:45:00 | 68 | 3350.0 | 492.5 | 0.0 | -492.5 | 14.7 | 0.00 | 3.839 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 17:00:00 | 69 | 3350.0 | 312.5 | 0.0 | -312.5 | 9.33 | 0.00 | 1.727 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 17:15:00 | 70 | 3350.0 | 180.0 | 0.0 | -180.0 | 5.37 | 0.00 | 3.839 | 61.868851 |
| Murtizapur 132kV | 09/01/2020 17:30:00 | 71 | 3350.0 | 45.0 | 0.0 | -45.0 | 1.34 | 0.00 | -2.879 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 17:45:00 | 72 | 3350.0 | 22.5 | 0.0 | -22.5 | 0.67 | 0.00 | -4.146 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 18:00:00 | 73 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.349 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 18:15:00 | 74 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.563 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 18:30:00 | 75 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.839 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 18:45:00 | 76 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 19:00:00 | 77 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.199 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 19:15:00 | 78 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 19:30:00 | 79 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.442 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 19:45:00 | 80 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.286 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 20:00:00 | 81 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.070 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 20:15:00 | 82 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.236 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 20:30:00 | 83 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.799 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 20:45:00 | 84 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 21:00:00 | 85 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 21:15:00 | 86 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 21:30:00 | 87 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Murtizapur 132kV | 09/01/2020 21:45:00 | 88 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.303 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 22:00:00 | 89 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.795 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 22:15:00 | 90 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.674 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 22:30:00 | 91 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.303 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 22:45:00 | 92 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.152 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 23:00:00 | 93 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 23:15:00 | 94 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 23:30:00 | 95 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Murtizapur 132kV | 09/01/2020 23:45:00 | 96 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.987 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 00:00:00 | 1 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.680 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 00:15:00 | 2 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.326 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 00:30:00 | 3 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.992 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 00:45:00 | 4 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.532 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 01:00:00 | 5 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.713 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 01:15:00 | 6 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.548 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 01:30:00 | 7 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 01:45:00 | 8 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 02:00:00 | 9 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.342 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 02:15:00 | 10 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.595 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 02:30:00 | 11 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.326 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 02:45:00 | 12 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Murtizapur 132kV | 10/01/2020 03:00:00 | 13 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.658 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 03:15:00 | 14 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 03:30:00 | 15 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 03:45:00 | 16 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.063 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 04:00:00 | 17 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.595 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 04:15:00 | 18 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.326 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 04:30:00 | 19 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.326 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 04:45:00 | 20 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 05:00:00 | 21 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.992 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 05:15:00 | 22 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.063 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 05:30:00 | 23 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 05:45:00 | 24 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 06:00:00 | 25 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.127 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 06:15:00 | 26 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.658 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 06:30:00 | 27 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.992 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 06:45:00 | 28 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.077 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 07:00:00 | 29 | 3350.0 | 32.5 | 0.0 | -32.5 | 0.97 | 0.00 | -0.687 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 07:15:00 | 30 | 3350.0 | 112.5 | 0.0 | -112.5 | 3.36 | 0.00 | -2.658 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 07:30:00 | 31 | 3350.0 | 330.0 | 0.0 | -330.0 | 9.85 | 0.00 | -1.063 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 07:45:00 | 32 | 3350.0 | 482.5 | 0.0 | -482.5 | 14.4 | 0.00 | -2.658 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 08:00:00 | 33 | 3350.0 | 695.0 | 0.0 | -695.0 | 20.75 | 96.25 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Murtizapur 132kV | 10/01/2020 08:15:00 | 34 | 3350.0 | 845.0 | 0.0 | -845.0 | 25.22 | 175.00 | -4.661 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 08:30:00 | 35 | 3350.0 | 1072.5 | 0.0 | -1072.5 | 32.01 | 402.50 | 5.663 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 08:45:00 | 36 | 3350.0 | 1230.0 | 0.0 | -1230.0 | 36.72 | 588.75 | 4.328 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 09:00:00 | 37 | 3350.0 | 1515.0 | 0.0 | -1515.0 | 45.22 | 1016.25 | -4.995 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 09:15:00 | 38 | 3350.0 | 1627.5 | 0.0 | -1627.5 | 48.58 | 1185.00 | -4.327 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 09:30:00 | 39 | 3350.0 | 1897.5 | 0.0 | -1897.5 | 56.64 | 1590.00 | -2.127 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 09:45:00 | 40 | 3350.0 | 1852.5 | 0.0 | -1852.5 | 55.3 | 1522.50 | -1.152 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 10:00:00 | 41 | 3350.0 | 2002.5 | 0.0 | -2002.5 | 59.78 | 1747.50 | 0.000 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 10:15:00 | 42 | 3350.0 | 1867.5 | 0.0 | -1867.5 | 55.75 | 1545.00 | -0.532 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 10:30:00 | 43 | 3350.0 | 2140.0 | 0.0 | -2140.0 | 63.88 | 1953.75 | -1.063 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 10:45:00 | 44 | 3350.0 | 2232.5 | 0.0 | -2232.5 | 66.64 | 2092.50 | 0.000 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 11:00:00 | 45 | 3350.0 | 2360.0 | 0.0 | -2360.0 | 70.45 | 2283.75 | 2.658 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 11:15:00 | 46 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | 0.000 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 11:30:00 | 47 | 3350.0 | 2462.5 | 0.0 | -2462.5 | 73.51 | 2437.50 | -1.595 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 11:45:00 | 48 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | 2.992 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 12:00:00 | 49 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | 0.000 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 12:15:00 | 50 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | 2.127 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 12:30:00 | 51 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | 1.595 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 12:45:00 | 52 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | -1.063 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 13:00:00 | 53 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | 2.658 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 13:15:00 | 54 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Murtizapur 132kV | 10/01/2020 13:30:00 | 55 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | 2.127 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 13:45:00 | 56 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | -3.326 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 14:00:00 | 57 | 3350.0 | 2415.0 | 0.0 | -2415.0 | 72.09 | 2366.25 | -2.992 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 14:15:00 | 58 | 3350.0 | 2242.5 | 0.0 | -2242.5 | 66.94 | 2107.50 | 3.660 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 14:30:00 | 59 | 3350.0 | 2080.0 | 0.0 | -2080.0 | 62.09 | 1863.75 | -2.127 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 14:45:00 | 60 | 3350.0 | 1930.0 | 0.0 | -1930.0 | 57.61 | 1638.75 | -2.127 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 15:00:00 | 61 | 3350.0 | 1627.5 | 0.0 | -1627.5 | 48.58 | 1185.00 | 0.000 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 15:15:00 | 62 | 3350.0 | 1595.0 | 0.0 | -1595.0 | 47.61 | 1136.25 | -2.992 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 15:30:00 | 63 | 3350.0 | 1457.5 | 0.0 | -1457.5 | 43.51 | 930.00 | -4.995 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 15:45:00 | 64 | 3350.0 | 1232.5 | 0.0 | -1232.5 | 36.79 | 592.50 | -4.327 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 16:00:00 | 65 | 3350.0 | 1067.5 | 0.0 | -1067.5 | 31.87 | 397.50 | -4.995 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 16:15:00 | 66 | 3350.0 | 872.5 | 0.0 | -872.5 | 26.04 | 202.50 | -8.000 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 16:30:00 | 67 | 3350.0 | 625.0 | 0.0 | -625.0 | 18.66 | 61.25 | -8.000 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 16:45:00 | 68 | 3350.0 | 407.5 | 0.0 | -407.5 | 12.16 | 0.00 | 4.327 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 17:00:00 | 69 | 3350.0 | 292.5 | 0.0 | -292.5 | 8.73 | 0.00 | 0.532 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 17:15:00 | 70 | 3350.0 | 180.0 | 0.0 | -180.0 | 5.37 | 0.00 | -1.595 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 17:30:00 | 71 | 3350.0 | 10.0 | 0.0 | -10.0 | 0.3 | 0.00 | -2.658 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 17:45:00 | 72 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.127 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 18:00:00 | 73 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.461 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 18:15:00 | 74 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.326 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 18:30:00 | 75 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Murtizapur 132kV | 10/01/2020 18:45:00 | 76 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.994 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 19:00:00 | 77 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.127 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 19:15:00 | 78 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 19:30:00 | 79 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.660 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 19:45:00 | 80 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.326 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 20:00:00 | 81 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.660 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 20:15:00 | 82 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.660 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 20:30:00 | 83 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.995 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 20:45:00 | 84 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.992 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 21:00:00 | 85 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.660 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 21:15:00 | 86 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.595 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 21:30:00 | 87 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.063 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 21:45:00 | 88 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.532 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 22:00:00 | 89 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.595 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 22:15:00 | 90 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.127 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 22:30:00 | 91 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.063 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 22:45:00 | 92 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 23:00:00 | 93 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 23:15:00 | 94 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 23:30:00 | 95 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Murtizapur 132kV | 10/01/2020 23:45:00 | 96 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Murtizapur 132kV | 11/01/2020 00:00:00 | 1 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 00:15:00 | 2 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.629 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 00:30:00 | 3 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.577 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 00:45:00 | 4 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.103 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 01:00:00 | 5 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 01:15:00 | 6 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.052 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 01:30:00 | 7 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.577 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 01:45:00 | 8 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.526 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 02:00:00 | 9 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.403 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 02:15:00 | 10 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.630 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 02:30:00 | 11 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.526 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 02:45:00 | 12 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.526 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 03:00:00 | 13 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.051 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 03:15:00 | 14 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 03:30:00 | 15 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 03:45:00 | 16 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 04:00:00 | 17 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 04:15:00 | 18 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.051 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 04:30:00 | 19 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.964 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 04:45:00 | 20 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.300 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 05:00:00 | 21 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Murtizapur 132kV | 11/01/2020 05:15:00 | 22 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.314 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 05:30:00 | 23 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 05:45:00 | 24 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.103 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 06:00:00 | 25 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.636 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 06:15:00 | 26 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 06:30:00 | 27 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.105 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 06:45:00 | 28 | 3350.0 | 2.5 | 0.0 | -2.5 | 0.07 | 0.00 | 5.650 | 0.386631 |
| Murtizapur 132kV | 11/01/2020 07:00:00 | 29 | 3350.0 | 50.0 | 0.0 | -50.0 | 1.49 | 0.00 | 3.300 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 07:15:00 | 30 | 3350.0 | 140.0 | 0.0 | -140.0 | 4.18 | 0.00 | 5.314 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 07:30:00 | 31 | 3350.0 | 240.0 | 0.0 | -240.0 | 7.16 | 0.00 | 2.964 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 07:45:00 | 32 | 3350.0 | 480.0 | 0.0 | -480.0 | 14.33 | 0.00 | 2.103 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 08:00:00 | 33 | 3350.0 | 755.0 | 0.0 | -755.0 | 22.54 | 126.25 | -1.577 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 08:15:00 | 34 | 3350.0 | 1000.0 | 0.0 | -1000.0 | 29.85 | 330.00 | 3.300 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 08:30:00 | 35 | 3350.0 | 1217.5 | 0.0 | -1217.5 | 36.34 | 570.00 | 2.116 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 08:45:00 | 36 | 3350.0 | 1452.5 | 0.0 | -1452.5 | 43.36 | 922.50 | 2.964 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 09:00:00 | 37 | 3350.0 | 1672.5 | 0.0 | -1672.5 | 49.93 | 1252.50 | 6.681 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 09:15:00 | 38 | 3350.0 | 1860.0 | 0.0 | -1860.0 | 55.52 | 1533.75 | 6.657 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 09:30:00 | 39 | 3350.0 | 2032.5 | 0.0 | -2032.5 | 60.67 | 1792.50 | -6.322 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 09:45:00 | 40 | 3350.0 | 2147.5 | 0.0 | -2147.5 | 64.1 | 1965.00 | -2.103 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 10:00:00 | 41 | 3350.0 | 2262.5 | 0.0 | -2262.5 | 67.54 | 2137.50 | 0.526 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 10:15:00 | 42 | 3350.0 | 2375.0 | 0.0 | -2375.0 | 70.9 | 2306.25 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Murtizapur 132kV | 11/01/2020 10:30:00 | 43 | 3350.0 | 2465.0 | 0.0 | -2465.0 | 73.58 | 2441.25 | 0.000 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 10:45:00 | 44 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | 0.000 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 11:00:00 | 45 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | 0.000 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 11:15:00 | 46 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | -2.964 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 11:30:00 | 47 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | -4.307 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 11:45:00 | 48 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | -3.300 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 12:00:00 | 49 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | -0.526 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 12:15:00 | 50 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | -2.103 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 12:30:00 | 51 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | -2.629 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 12:45:00 | 52 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | -2.629 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 13:00:00 | 53 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | 0.000 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 13:15:00 | 54 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | -2.103 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 13:30:00 | 55 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | 2.629 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 13:45:00 | 56 | 3350.0 | 2497.5 | 0.0 | -2497.5 | 74.55 | 2490.00 | 2.103 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 14:00:00 | 57 | 3350.0 | 2440.0 | 0.0 | -2440.0 | 72.84 | 2403.75 | 1.051 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 14:15:00 | 58 | 3350.0 | 2357.5 | 0.0 | -2357.5 | 70.37 | 2280.00 | 3.300 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 14:30:00 | 59 | 3350.0 | 2242.5 | 0.0 | -2242.5 | 66.94 | 2107.50 | -3.636 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 14:45:00 | 60 | 3350.0 | 2102.5 | 0.0 | -2102.5 | 62.76 | 1897.50 | 4.979 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 15:00:00 | 61 | 3350.0 | 2005.0 | 0.0 | -2005.0 | 59.85 | 1751.25 | -2.964 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 15:15:00 | 62 | 3350.0 | 1865.0 | 0.0 | -1865.0 | 55.67 | 1541.25 | -5.314 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 15:30:00 | 63 | 3350.0 | 1705.0 | 0.0 | -1705.0 | 50.9 | 1301.25 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Murtizapur 132kV | 11/01/2020 15:45:00 | 64 | 3350.0 | 1502.5 | 0.0 | -1502.5 | 44.85 | 997.50 | 4.643 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 16:00:00 | 65 | 3350.0 | 1355.0 | 0.0 | -1355.0 | 40.45 | 776.25 | 2.103 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 16:15:00 | 66 | 3350.0 | 1135.0 | 0.0 | -1135.0 | 33.88 | 465.00 | -2.964 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 16:30:00 | 67 | 3350.0 | 922.5 | 0.0 | -922.5 | 27.54 | 252.50 | -2.103 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 16:45:00 | 68 | 3350.0 | 375.0 | 0.0 | -375.0 | 11.19 | 0.00 | 3.972 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 17:00:00 | 69 | 3350.0 | 212.5 | 0.0 | -212.5 | 6.34 | 0.00 | -1.577 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 17:15:00 | 70 | 3350.0 | 115.0 | 0.0 | -115.0 | 3.43 | 0.00 | -1.577 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 17:30:00 | 71 | 3350.0 | 12.5 | 0.0 | -12.5 | 0.37 | 0.00 | 1.051 | 0.159491 |
| Murtizapur 132kV | 11/01/2020 17:45:00 | 72 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.103 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 18:00:00 | 73 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.964 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 18:15:00 | 74 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.629 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 18:30:00 | 75 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.103 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 18:45:00 | 76 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.526 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 19:00:00 | 77 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.103 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 19:15:00 | 78 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.052 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 19:30:00 | 79 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 19:45:00 | 80 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.629 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 20:00:00 | 81 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.629 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 20:15:00 | 82 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.307 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 20:30:00 | 83 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 20:45:00 | 84 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.629 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Murtizapur 132kV | 11/01/2020 21:00:00 | 85 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.636 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 21:15:00 | 86 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.577 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 21:30:00 | 87 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.577 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 21:45:00 | 88 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.052 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 22:00:00 | 89 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.650 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 22:15:00 | 90 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.650 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 22:30:00 | 91 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.979 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 22:45:00 | 92 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 23:00:00 | 93 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.577 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 23:15:00 | 94 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.074 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 23:30:00 | 95 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.113 | 0.000000 |
| Murtizapur 132kV | 11/01/2020 23:45:00 | 96 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.162 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 00:00:00 | 1 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 00:15:00 | 2 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 00:30:00 | 3 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 00:45:00 | 4 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 01:00:00 | 5 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.629 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 01:15:00 | 6 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.317 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 01:30:00 | 7 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.354 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 01:45:00 | 8 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 02:00:00 | 9 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Murtizapur 132kV | 12/01/2020 02:15:00 | 10 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 02:30:00 | 11 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.690 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 02:45:00 | 12 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 03:00:00 | 13 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.354 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 03:15:00 | 14 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 03:30:00 | 15 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.354 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 03:45:00 | 16 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 04:00:00 | 17 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 04:15:00 | 18 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 04:30:00 | 19 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.076 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 04:45:00 | 20 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 05:00:00 | 21 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.686 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 05:15:00 | 22 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.686 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 05:30:00 | 23 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.614 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 05:45:00 | 24 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.496 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 06:00:00 | 25 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 06:15:00 | 26 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.430 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 06:30:00 | 27 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 06:45:00 | 28 | 3350.0 | 2.5 | 0.0 | -2.5 | 0.07 | 0.00 | 4.681 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 07:00:00 | 29 | 3350.0 | 50.0 | 0.0 | -50.0 | 1.49 | 0.00 | 1.614 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 07:15:00 | 30 | 3350.0 | 140.0 | 0.0 | -140.0 | 4.18 | 0.00 | 3.838 | 115.871871 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Murtizapur 132kV | 12/01/2020 07:30:00 | 31 | 3350.0 | 240.0 | 0.0 | -240.0 | 7.16 | 0.00 | 3.022 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 07:45:00 | 32 | 3350.0 | 480.0 | 0.0 | -480.0 | 14.33 | 0.00 | 2.690 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 08:00:00 | 33 | 3350.0 | 755.0 | 0.0 | -755.0 | 22.54 | 126.25 | -2.690 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 08:15:00 | 34 | 3350.0 | 1000.0 | 0.0 | -1000.0 | 29.85 | 330.00 | -4.018 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 08:30:00 | 35 | 3350.0 | 1217.5 | 0.0 | -1217.5 | 36.34 | 570.00 | -2.690 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 08:45:00 | 36 | 3350.0 | 1452.5 | 0.0 | -1452.5 | 43.36 | 922.50 | 3.022 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 09:00:00 | 37 | 3350.0 | 1672.5 | 0.0 | -1672.5 | 49.93 | 1252.50 | -3.354 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 09:15:00 | 38 | 3350.0 | 1860.0 | 0.0 | -1860.0 | 55.52 | 1533.75 | -4.350 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 09:30:00 | 39 | 3350.0 | 2032.5 | 0.0 | -2032.5 | 60.67 | 1792.50 | 2.152 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 09:45:00 | 40 | 3350.0 | 2147.5 | 0.0 | -2147.5 | 64.1 | 1965.00 | -2.690 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 10:00:00 | 41 | 3350.0 | 2262.5 | 0.0 | -2262.5 | 67.54 | 2137.50 | -3.354 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 10:15:00 | 42 | 3350.0 | 2375.0 | 0.0 | -2375.0 | 70.9 | 2306.25 | -3.686 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 10:30:00 | 43 | 3350.0 | 2465.0 | 0.0 | -2465.0 | 73.58 | 2441.25 | -1.614 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 10:45:00 | 44 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | 3.686 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 11:00:00 | 45 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | -3.354 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 11:15:00 | 46 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | -5.450 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 11:30:00 | 47 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | -6.009 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 11:45:00 | 48 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | 2.690 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 12:00:00 | 49 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | 3.686 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 12:15:00 | 50 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | -5.345 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 12:30:00 | 51 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Murtizapur 132kV | 12/01/2020 12:45:00 | 52 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | -5.345 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 13:00:00 | 53 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | -3.999 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 13:15:00 | 54 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | -4.350 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 13:30:00 | 55 | 3350.0 | 2500.0 | 0.0 | -2500.0 | 74.63 | 2493.75 | -1.076 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 13:45:00 | 56 | 3350.0 | 2497.5 | 0.0 | -2497.5 | 74.55 | 2490.00 | -2.690 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 14:00:00 | 57 | 3350.0 | 2440.0 | 0.0 | -2440.0 | 72.84 | 2403.75 | -0.538 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 14:15:00 | 58 | 3350.0 | 2357.5 | 0.0 | -2357.5 | 70.37 | 2280.00 | -2.152 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 14:30:00 | 59 | 3350.0 | 2242.5 | 0.0 | -2242.5 | 66.94 | 2107.50 | -2.690 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 14:45:00 | 60 | 3350.0 | 2102.5 | 0.0 | -2102.5 | 62.76 | 1897.50 | -1.076 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 15:00:00 | 61 | 3350.0 | 2005.0 | 0.0 | -2005.0 | 59.85 | 1751.25 | 0.000 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 15:15:00 | 62 | 3350.0 | 1865.0 | 0.0 | -1865.0 | 55.67 | 1541.25 | -2.690 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 15:30:00 | 63 | 3350.0 | 1705.0 | 0.0 | -1705.0 | 50.9 | 1301.25 | -3.022 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 15:45:00 | 64 | 3350.0 | 1502.5 | 0.0 | -1502.5 | 44.85 | 997.50 | -3.686 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 16:00:00 | 65 | 3350.0 | 1355.0 | 0.0 | -1355.0 | 40.45 | 776.25 | -3.737 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 16:15:00 | 66 | 3350.0 | 1135.0 | 0.0 | -1135.0 | 33.88 | 465.00 | -5.786 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 16:30:00 | 67 | 3350.0 | 922.5 | 0.0 | -922.5 | 27.54 | 252.50 | -4.350 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 16:45:00 | 68 | 3350.0 | 375.0 | 0.0 | -375.0 | 11.19 | 0.00 | -1.614 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 17:00:00 | 69 | 3350.0 | 212.5 | 0.0 | -212.5 | 6.34 | 0.00 | 0.000 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 17:15:00 | 70 | 3350.0 | 115.0 | 0.0 | -115.0 | 3.43 | 0.00 | 2.690 | 29.814185 |
| Murtizapur 132kV | 12/01/2020 17:30:00 | 71 | 3350.0 | 12.5 | 0.0 | -12.5 | 0.37 | 0.00 | -3.022 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 17:45:00 | 72 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Murtizapur 132kV | 12/01/2020 18:00:00 | 73 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.538 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 18:15:00 | 74 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.350 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 18:30:00 | 75 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.690 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 18:45:00 | 76 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 19:00:00 | 77 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.686 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 19:15:00 | 78 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.690 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 19:30:00 | 79 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 19:45:00 | 80 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.781 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 20:00:00 | 81 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.021 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 20:15:00 | 82 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.018 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 20:30:00 | 83 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.354 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 20:45:00 | 84 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.614 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 21:00:00 | 85 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.350 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 21:15:00 | 86 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.686 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 21:30:00 | 87 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.614 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 21:45:00 | 88 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 22:00:00 | 89 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.354 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 22:15:00 | 90 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.350 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 22:30:00 | 91 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.215 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 22:45:00 | 92 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 23:00:00 | 93 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Murtizapur 132kV | 12/01/2020 23:15:00 | 94 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 23:30:00 | 95 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Murtizapur 132kV | 12/01/2020 23:45:00 | 96 | 3350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 00:00:00 | 1 | 12500.0 | 2612.5 | 0.0 | -2612.5 | 20.9 | 368.75 | 2.903 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 00:15:00 | 2 | 12500.0 | 2505.0 | 0.0 | -2505.0 | 20.04 | 315.00 | 0.000 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 00:30:00 | 3 | 12500.0 | 2472.5 | 0.0 | -2472.5 | 19.78 | 298.75 | 0.000 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 00:45:00 | 4 | 12500.0 | 2445.0 | 0.0 | -2445.0 | 19.56 | 285.00 | -0.984 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 01:00:00 | 5 | 12500.0 | 2412.5 | 0.0 | -2412.5 | 19.3 | 268.75 | -3.541 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 01:15:00 | 6 | 12500.0 | 2335.0 | 0.0 | -2335.0 | 18.68 | 230.00 | 3.222 | 56.058134 |
| Nandurbar 132kV | 06/01/2020 01:30:00 | 7 | 12500.0 | 2612.5 | 0.0 | -2612.5 | 20.9 | 368.75 | 3.541 | 705.067639 |
| Nandurbar 132kV | 06/01/2020 01:45:00 | 8 | 12500.0 | 2505.0 | 0.0 | -2505.0 | 20.04 | 315.00 | 2.352 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 02:00:00 | 9 | 12500.0 | 2472.5 | 0.0 | -2472.5 | 19.78 | 298.75 | 1.747 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 02:15:00 | 10 | 12500.0 | 2445.0 | 0.0 | -2445.0 | 19.56 | 285.00 | 0.581 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 02:30:00 | 11 | 12500.0 | 2412.5 | 0.0 | -2412.5 | 19.3 | 268.75 | -2.323 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 02:45:00 | 12 | 12500.0 | 2335.0 | 0.0 | -2335.0 | 18.68 | 230.00 | 2.323 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 03:00:00 | 13 | 12500.0 | 2297.5 | 0.0 | -2297.5 | 18.38 | 211.25 | 2.323 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 03:15:00 | 14 | 12500.0 | 2310.0 | 0.0 | -2310.0 | 18.48 | 217.50 | -1.742 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 03:30:00 | 15 | 12500.0 | 2317.5 | 0.0 | -2317.5 | 18.54 | 221.25 | 3.222 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 03:45:00 | 16 | 12500.0 | 2327.5 | 0.0 | -2327.5 | 18.62 | 226.25 | 3.541 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 04:00:00 | 17 | 12500.0 | 2252.5 | 0.0 | -2252.5 | 18.02 | 188.75 | 4.496 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 04:15:00 | 18 | 12500.0 | 2265.0 | 0.0 | -2265.0 | 18.12 | 195.00 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nandurbar 132kV | 06/01/2020 04:30:00 | 19 | 12500.0 | 2275.0 | 0.0 | -2275.0 | 18.2 | 200.00 | 3.859 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 04:45:00 | 20 | 12500.0 | 2277.5 | 0.0 | -2277.5 | 18.22 | 201.25 | 4.815 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 05:00:00 | 21 | 12500.0 | 2262.5 | 0.0 | -2262.5 | 18.1 | 193.75 | 3.859 | 992.289349 |
| Nandurbar 132kV | 06/01/2020 05:15:00 | 22 | 12500.0 | 2257.5 | 0.0 | -2257.5 | 18.06 | 191.25 | 6.407 | 1787.452659 |
| Nandurbar 132kV | 06/01/2020 05:30:00 | 23 | 12500.0 | 2267.5 | 0.0 | -2267.5 | 18.14 | 196.25 | 6.496 | 2657.892846 |
| Nandurbar 132kV | 06/01/2020 05:45:00 | 24 | 12500.0 | 2227.5 | 0.0 | -2227.5 | 17.82 | 176.25 | 7.492 | 1411.012110 |
| Nandurbar 132kV | 06/01/2020 06:00:00 | 25 | 12500.0 | 2277.5 | 0.0 | -2277.5 | 18.22 | 201.25 | -5.452 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 06:15:00 | 26 | 12500.0 | 2262.5 | 0.0 | -2262.5 | 18.1 | 193.75 | -6.089 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 06:30:00 | 27 | 12500.0 | 2257.5 | 0.0 | -2257.5 | 18.06 | 191.25 | -7.044 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 06:45:00 | 28 | 12500.0 | 2277.5 | 0.0 | -2277.5 | 18.22 | 201.25 | 7.682 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 07:00:00 | 29 | 12500.0 | 2262.5 | 0.0 | -2262.5 | 18.1 | 193.75 | -3.859 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 07:15:00 | 30 | 12500.0 | 2257.5 | 0.0 | -2257.5 | 18.06 | 191.25 | 4.815 | 1120.889590 |
| Nandurbar 132kV | 06/01/2020 07:30:00 | 31 | 12500.0 | 2277.5 | 0.0 | -2277.5 | 18.22 | 201.25 | 4.178 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 07:45:00 | 32 | 12500.0 | 2262.5 | 0.0 | -2262.5 | 18.1 | 193.75 | -3.540 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 08:00:00 | 33 | 12500.0 | 2257.5 | 0.0 | -2257.5 | 18.06 | 191.25 | -3.859 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 08:15:00 | 34 | 12500.0 | 2277.5 | 0.0 | -2277.5 | 18.22 | 201.25 | -5.452 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 08:30:00 | 35 | 12500.0 | 2262.5 | 0.0 | -2262.5 | 18.1 | 193.75 | 4.178 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 08:45:00 | 36 | 12500.0 | 2257.5 | 0.0 | -2257.5 | 18.06 | 191.25 | -3.859 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 09:00:00 | 37 | 12500.0 | 2277.5 | 0.0 | -2277.5 | 18.22 | 201.25 | -6.407 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 09:15:00 | 38 | 12500.0 | 2262.5 | 0.0 | -2262.5 | 18.1 | 193.75 | -8.000 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 09:30:00 | 39 | 12500.0 | 1752.5 | 0.0 | -1752.5 | 14.02 | 0.00 | -5.770 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nandurbar 132kV | 06/01/2020 09:45:00 | 40 | 12500.0 | 1667.5 | 0.0 | -1667.5 | 13.34 | 0.00 | 3.222 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 10:00:00 | 41 | 12500.0 | 1592.5 | 0.0 | -1592.5 | 12.74 | 0.00 | -2.903 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 10:15:00 | 42 | 12500.0 | 1652.5 | 0.0 | -1652.5 | 13.22 | 0.00 | -3.222 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 10:30:00 | 43 | 12500.0 | 1637.5 | 0.0 | -1637.5 | 13.1 | 0.00 | 4.815 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 10:45:00 | 44 | 12500.0 | 1632.5 | 0.0 | -1632.5 | 13.06 | 0.00 | 4.496 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 11:00:00 | 45 | 12500.0 | 1642.5 | 0.0 | -1642.5 | 13.14 | 0.00 | 16.000 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 11:15:00 | 46 | 12500.0 | 1602.5 | 0.0 | -1602.5 | 12.82 | 0.00 | 5.133 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 11:30:00 | 47 | 12500.0 | 1655.0 | 0.0 | -1655.0 | 13.24 | 0.00 | 1.182 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 11:45:00 | 48 | 12500.0 | 1672.5 | 0.0 | -1672.5 | 13.38 | 0.00 | 6.308 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 12:00:00 | 49 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | 6.598 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 12:15:00 | 50 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | 5.431 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 12:30:00 | 51 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | 3.540 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 12:45:00 | 52 | 12500.0 | 1707.5 | 0.0 | -1707.5 | 13.66 | 0.00 | -2.903 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 13:00:00 | 53 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | -1.161 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 13:15:00 | 54 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | 3.859 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 13:30:00 | 55 | 12500.0 | 1725.0 | 0.0 | -1725.0 | 13.8 | 0.00 | -6.407 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 13:45:00 | 56 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | 5.452 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 14:00:00 | 57 | 12500.0 | 1672.5 | 0.0 | -1672.5 | 13.38 | 0.00 | 5.452 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 14:15:00 | 58 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | 16.000 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 14:30:00 | 59 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | 6.035 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 14:45:00 | 60 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nandurbar 132kV | 06/01/2020 15:00:00 | 61 | 12500.0 | 1627.5 | 0.0 | -1627.5 | 13.02 | 0.00 | 3.367 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 15:15:00 | 62 | 12500.0 | 1640.0 | 0.0 | -1640.0 | 13.12 | 0.00 | 3.904 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 15:30:00 | 63 | 12500.0 | 1652.5 | 0.0 | -1652.5 | 13.22 | 0.00 | 4.482 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 15:45:00 | 64 | 12500.0 | 1637.5 | 0.0 | -1637.5 | 13.1 | 0.00 | 4.225 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 16:00:00 | 65 | 12500.0 | 1632.5 | 0.0 | -1632.5 | 13.06 | 0.00 | 2.895 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 16:15:00 | 66 | 12500.0 | 1642.5 | 0.0 | -1642.5 | 13.14 | 0.00 | 6.089 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 16:30:00 | 67 | 12500.0 | 1602.5 | 0.0 | -1602.5 | 12.82 | 0.00 | -8.000 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 16:45:00 | 68 | 12500.0 | 1655.0 | 0.0 | -1655.0 | 13.24 | 0.00 | -4.178 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 17:00:00 | 69 | 12500.0 | 1672.5 | 0.0 | -1672.5 | 13.38 | 0.00 | 1.742 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 17:15:00 | 70 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | 2.903 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 17:30:00 | 71 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | -4.178 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 17:45:00 | 72 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | -2.323 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 18:00:00 | 73 | 12500.0 | 1707.5 | 0.0 | -1707.5 | 13.66 | 0.00 | -2.903 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 18:15:00 | 74 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | 1.161 | 447.302331 |
| Nandurbar 132kV | 06/01/2020 18:30:00 | 75 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | 2.903 | 1464.981872 |
| Nandurbar 132kV | 06/01/2020 18:45:00 | 76 | 12500.0 | 1725.0 | 0.0 | -1725.0 | 13.8 | 0.00 | 2.903 | 34.781555 |
| Nandurbar 132kV | 06/01/2020 19:00:00 | 77 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | -1.161 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 19:15:00 | 78 | 12500.0 | 1672.5 | 0.0 | -1672.5 | 13.38 | 0.00 | -4.178 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 19:30:00 | 79 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | -2.323 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 19:45:00 | 80 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | -4.178 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 20:00:00 | 81 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nandurbar 132kV | 06/01/2020 20:15:00 | 82 | 12500.0 | 1627.5 | 0.0 | -1627.5 | 13.02 | 0.00 | -5.770 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 20:30:00 | 83 | 12500.0 | 1640.0 | 0.0 | -1640.0 | 13.12 | 0.00 | 5.770 | 223.455208 |
| Nandurbar 132kV | 06/01/2020 20:45:00 | 84 | 12500.0 | 1652.5 | 0.0 | -1652.5 | 13.22 | 0.00 | 4.178 | 683.396889 |
| Nandurbar 132kV | 06/01/2020 21:00:00 | 85 | 12500.0 | 1637.5 | 0.0 | -1637.5 | 13.1 | 0.00 | 3.222 | 358.248063 |
| Nandurbar 132kV | 06/01/2020 21:15:00 | 86 | 12500.0 | 1632.5 | 0.0 | -1632.5 | 13.06 | 0.00 | -1.742 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 21:30:00 | 87 | 12500.0 | 1642.5 | 0.0 | -1642.5 | 13.14 | 0.00 | 0.000 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 21:45:00 | 88 | 12500.0 | 1602.5 | 0.0 | -1602.5 | 12.82 | 0.00 | 1.161 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 22:00:00 | 89 | 12500.0 | 1655.0 | 0.0 | -1655.0 | 13.24 | 0.00 | 4.815 | 969.047291 |
| Nandurbar 132kV | 06/01/2020 22:15:00 | 90 | 12500.0 | 1672.5 | 0.0 | -1672.5 | 13.38 | 0.00 | 3.859 | 1010.359006 |
| Nandurbar 132kV | 06/01/2020 22:30:00 | 91 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | 1.742 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 22:45:00 | 92 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | -2.323 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 23:00:00 | 93 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | -2.903 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 23:15:00 | 94 | 12500.0 | 1707.5 | 0.0 | -1707.5 | 13.66 | 0.00 | 2.323 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 23:30:00 | 95 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | -3.222 | 0.000000 |
| Nandurbar 132kV | 06/01/2020 23:45:00 | 96 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | 2.323 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 00:00:00 | 1 | 12500.0 | 1627.5 | 0.0 | -1627.5 | 13.02 | 0.00 | -0.549 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 00:15:00 | 2 | 12500.0 | 1640.0 | 0.0 | -1640.0 | 13.12 | 0.00 | -1.647 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 00:30:00 | 3 | 12500.0 | 1650.0 | 0.0 | -1650.0 | 13.2 | 0.00 | -3.073 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 00:45:00 | 4 | 12500.0 | 1652.5 | 0.0 | -1652.5 | 13.22 | 0.00 | -2.744 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 01:00:00 | 5 | 12500.0 | 1637.5 | 0.0 | -1637.5 | 13.1 | 0.00 | -4.058 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 01:15:00 | 6 | 12500.0 | 1632.5 | 0.0 | -1632.5 | 13.06 | 0.00 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nandurbar 132kV | 07/01/2020 01:30:00 | 7 | 12500.0 | 1642.5 | 0.0 | -1642.5 | 13.14 | 0.00 | -3.401 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 01:45:00 | 8 | 12500.0 | 1602.5 | 0.0 | -1602.5 | 12.82 | 0.00 | 3.730 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 02:00:00 | 9 | 12500.0 | 1655.0 | 0.0 | -1655.0 | 13.24 | 0.00 | 3.073 | 360.305845 |
| Nandurbar 132kV | 07/01/2020 02:15:00 | 10 | 12500.0 | 1672.5 | 0.0 | -1672.5 | 13.38 | 0.00 | 3.073 | 162.817335 |
| Nandurbar 132kV | 07/01/2020 02:30:00 | 11 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | 3.401 | 229.433079 |
| Nandurbar 132kV | 07/01/2020 02:45:00 | 12 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | 2.745 | 229.852233 |
| Nandurbar 132kV | 07/01/2020 03:00:00 | 13 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | 1.647 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 03:15:00 | 14 | 12500.0 | 1707.5 | 0.0 | -1707.5 | 13.66 | 0.00 | 2.196 | 109.540702 |
| Nandurbar 132kV | 07/01/2020 03:30:00 | 15 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | 1.647 | 146.803161 |
| Nandurbar 132kV | 07/01/2020 03:45:00 | 16 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | 1.098 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 04:00:00 | 17 | 12500.0 | 1725.0 | 0.0 | -1725.0 | 13.8 | 0.00 | 1.647 | 631.694835 |
| Nandurbar 132kV | 07/01/2020 04:15:00 | 18 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | 2.210 | 1231.447969 |
| Nandurbar 132kV | 07/01/2020 04:30:00 | 19 | 12500.0 | 1672.5 | 0.0 | -1672.5 | 13.38 | 0.00 | 3.730 | 1690.883779 |
| Nandurbar 132kV | 07/01/2020 04:45:00 | 20 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | -1.098 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 05:00:00 | 21 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | -2.744 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 05:15:00 | 22 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | 3.730 | 874.605641 |
| Nandurbar 132kV | 07/01/2020 05:30:00 | 23 | 12500.0 | 1627.5 | 0.0 | -1627.5 | 13.02 | 0.00 | 3.073 | 1878.298175 |
| Nandurbar 132kV | 07/01/2020 05:45:00 | 24 | 12500.0 | 1640.0 | 0.0 | -1640.0 | 13.12 | 0.00 | 3.730 | 1470.358458 |
| Nandurbar 132kV | 07/01/2020 06:00:00 | 25 | 12500.0 | 1627.5 | 0.0 | -1627.5 | 13.02 | 0.00 | -5.372 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 06:15:00 | 26 | 12500.0 | 1640.0 | 0.0 | -1640.0 | 13.12 | 0.00 | 4.556 | 5464.640574 |
| Nandurbar 132kV | 07/01/2020 06:30:00 | 27 | 12500.0 | 1650.0 | 0.0 | -1650.0 | 13.2 | 0.00 | 7.148 | 9519.161877 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nandurbar 132kV | 07/01/2020 06:45:00 | 28 | 12500.0 | 1652.5 | 0.0 | -1652.5 | 13.22 | 0.00 | 7.821 | 8742.077955 |
| Nandurbar 132kV | 07/01/2020 07:00:00 | 29 | 12500.0 | 1637.5 | 0.0 | -1637.5 | 13.1 | 0.00 | 5.372 | 4351.570677 |
| Nandurbar 132kV | 07/01/2020 07:15:00 | 30 | 12500.0 | 1632.5 | 0.0 | -1632.5 | 13.06 | 0.00 | 16.000 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 07:30:00 | 31 | 12500.0 | 1642.5 | 0.0 | -1642.5 | 13.14 | 0.00 | 9.296 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 07:45:00 | 32 | 12500.0 | 1602.5 | 0.0 | -1602.5 | 12.82 | 0.00 | 9.794 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 08:00:00 | 33 | 12500.0 | 1655.0 | 0.0 | -1655.0 | 13.24 | 0.00 | 3.593 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 08:15:00 | 34 | 12500.0 | 1672.5 | 0.0 | -1672.5 | 13.38 | 0.00 | 3.401 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 08:30:00 | 35 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | 3.245 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 08:45:00 | 36 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | 0.000 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 09:00:00 | 37 | 12500.0 | 1952.5 | 0.0 | -1952.5 | 15.62 | 38.75 | 2.745 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 09:15:00 | 38 | 12500.0 | 1957.5 | 0.0 | -1957.5 | 15.66 | 41.25 | 4.715 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 09:30:00 | 39 | 12500.0 | 1970.0 | 0.0 | -1970.0 | 15.76 | 47.50 | 3.981 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 09:45:00 | 40 | 12500.0 | 1970.0 | 0.0 | -1970.0 | 15.76 | 47.50 | 3.730 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 10:00:00 | 41 | 12500.0 | 1975.0 | 0.0 | -1975.0 | 15.8 | 50.00 | 1.780 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 10:15:00 | 42 | 12500.0 | 1970.0 | 0.0 | -1970.0 | 15.76 | 47.50 | 5.643 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 10:30:00 | 43 | 12500.0 | 1672.5 | 0.0 | -1672.5 | 13.38 | 0.00 | 4.976 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 10:45:00 | 44 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | 4.415 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 11:00:00 | 45 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | 4.476 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 11:15:00 | 46 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | 4.826 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 11:30:00 | 47 | 12500.0 | 1627.5 | 0.0 | -1627.5 | 13.02 | 0.00 | 2.289 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 11:45:00 | 48 | 12500.0 | 1640.0 | 0.0 | -1640.0 | 13.12 | 0.00 | -0.549 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nandurbar 132kV | 07/01/2020 12:00:00 | 49 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | 4.727 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 12:15:00 | 50 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | 4.777 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 12:30:00 | 51 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | 4.798 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 12:45:00 | 52 | 12500.0 | 1707.5 | 0.0 | -1707.5 | 13.66 | 0.00 | -3.401 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 13:00:00 | 53 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | -2.431 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 13:15:00 | 54 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | -4.387 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 13:30:00 | 55 | 12500.0 | 1725.0 | 0.0 | -1725.0 | 13.8 | 0.00 | -3.401 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 13:45:00 | 56 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | -5.044 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 14:00:00 | 57 | 12500.0 | 1672.5 | 0.0 | -1672.5 | 13.38 | 0.00 | 4.215 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 14:15:00 | 58 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | 9.552 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 14:30:00 | 59 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | 6.358 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 14:45:00 | 60 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | 2.744 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 15:00:00 | 61 | 12500.0 | 1627.5 | 0.0 | -1627.5 | 13.02 | 0.00 | -3.073 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 15:15:00 | 62 | 12500.0 | 1640.0 | 0.0 | -1640.0 | 13.12 | 0.00 | -4.058 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 15:30:00 | 63 | 12500.0 | 1652.5 | 0.0 | -1652.5 | 13.22 | 0.00 | -4.831 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 15:45:00 | 64 | 12500.0 | 1637.5 | 0.0 | -1637.5 | 13.1 | 0.00 | -5.372 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 16:00:00 | 65 | 12500.0 | 1632.5 | 0.0 | -1632.5 | 13.06 | 0.00 | 2.196 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 16:15:00 | 66 | 12500.0 | 1642.5 | 0.0 | -1642.5 | 13.14 | 0.00 | -3.401 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 16:30:00 | 67 | 12500.0 | 1602.5 | 0.0 | -1602.5 | 12.82 | 0.00 | 4.738 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 16:45:00 | 68 | 12500.0 | 1655.0 | 0.0 | -1655.0 | 13.24 | 0.00 | 7.343 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 17:00:00 | 69 | 12500.0 | 1672.5 | 0.0 | -1672.5 | 13.38 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nandurbar 132kV | 07/01/2020 17:15:00 | 70 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | 2.744 | 280.293223 |
| Nandurbar 132kV | 07/01/2020 17:30:00 | 71 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | 3.401 | 111.754823 |
| Nandurbar 132kV | 07/01/2020 17:45:00 | 72 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | -2.745 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 18:00:00 | 73 | 12500.0 | 1707.5 | 0.0 | -1707.5 | 13.66 | 0.00 | -3.073 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 18:15:00 | 74 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | -5.372 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 18:30:00 | 75 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | 3.401 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 18:45:00 | 76 | 12500.0 | 1725.0 | 0.0 | -1725.0 | 13.8 | 0.00 | -3.401 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 19:00:00 | 77 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | -3.730 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 19:15:00 | 78 | 12500.0 | 1672.5 | 0.0 | -1672.5 | 13.38 | 0.00 | -4.715 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 19:30:00 | 79 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | -4.058 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 19:45:00 | 80 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | -2.210 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 20:00:00 | 81 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | -2.348 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 20:15:00 | 82 | 12500.0 | 1627.5 | 0.0 | -1627.5 | 13.02 | 0.00 | 4.387 | 2539.961205 |
| Nandurbar 132kV | 07/01/2020 20:30:00 | 83 | 12500.0 | 1640.0 | 0.0 | -1640.0 | 13.12 | 0.00 | 3.816 | 3346.729898 |
| Nandurbar 132kV | 07/01/2020 20:45:00 | 84 | 12500.0 | 1652.5 | 0.0 | -1652.5 | 13.22 | 0.00 | 3.401 | 811.932788 |
| Nandurbar 132kV | 07/01/2020 21:00:00 | 85 | 12500.0 | 1637.5 | 0.0 | -1637.5 | 13.1 | 0.00 | -4.058 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 21:15:00 | 86 | 12500.0 | 1632.5 | 0.0 | -1632.5 | 13.06 | 0.00 | 1.647 | 865.282282 |
| Nandurbar 132kV | 07/01/2020 21:30:00 | 87 | 12500.0 | 1642.5 | 0.0 | -1642.5 | 13.14 | 0.00 | 2.196 | 523.766992 |
| Nandurbar 132kV | 07/01/2020 21:45:00 | 88 | 12500.0 | 1602.5 | 0.0 | -1602.5 | 12.82 | 0.00 | -2.196 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 22:00:00 | 89 | 12500.0 | 1655.0 | 0.0 | -1655.0 | 13.24 | 0.00 | -3.257 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 22:15:00 | 90 | 12500.0 | 1672.5 | 0.0 | -1672.5 | 13.38 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nandurbar 132kV | 07/01/2020 22:30:00 | 91 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | -1.098 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 22:45:00 | 92 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | -1.647 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 23:00:00 | 93 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | -3.401 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 23:15:00 | 94 | 12500.0 | 1707.5 | 0.0 | -1707.5 | 13.66 | 0.00 | 1.647 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 23:30:00 | 95 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | -2.196 | 0.000000 |
| Nandurbar 132kV | 07/01/2020 23:45:00 | 96 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | -0.549 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 00:00:00 | 1 | 12500.0 | 1627.5 | 0.0 | -1627.5 | 13.02 | 0.00 | -2.220 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 00:15:00 | 2 | 12500.0 | 1640.0 | 0.0 | -1640.0 | 13.12 | 0.00 | -3.101 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 00:30:00 | 3 | 12500.0 | 1650.0 | 0.0 | -1650.0 | 13.2 | 0.00 | -3.101 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 00:45:00 | 4 | 12500.0 | 1652.5 | 0.0 | -1652.5 | 13.22 | 0.00 | -2.424 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 01:00:00 | 5 | 12500.0 | 1637.5 | 0.0 | -1637.5 | 13.1 | 0.00 | -2.170 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 01:15:00 | 6 | 12500.0 | 1632.5 | 0.0 | -1632.5 | 13.06 | 0.00 | -1.761 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 01:30:00 | 7 | 12500.0 | 1642.5 | 0.0 | -1642.5 | 13.14 | 0.00 | -1.665 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 01:45:00 | 8 | 12500.0 | 1602.5 | 0.0 | -1602.5 | 12.82 | 0.00 | -1.665 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 02:00:00 | 9 | 12500.0 | 1655.0 | 0.0 | -1655.0 | 13.24 | 0.00 | -1.110 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 02:15:00 | 10 | 12500.0 | 1672.5 | 0.0 | -1672.5 | 13.38 | 0.00 | -1.347 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 02:30:00 | 11 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | -3.101 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 02:45:00 | 12 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | -2.220 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 03:00:00 | 13 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | -3.428 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 03:15:00 | 14 | 12500.0 | 1707.5 | 0.0 | -1707.5 | 13.66 | 0.00 | -2.220 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 03:30:00 | 15 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nandurbar 132kV | 08/01/2020 03:45:00 | 16 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | -2.775 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 04:00:00 | 17 | 12500.0 | 1725.0 | 0.0 | -1725.0 | 13.8 | 0.00 | -3.101 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 04:15:00 | 18 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | -1.665 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 04:30:00 | 19 | 12500.0 | 1672.5 | 0.0 | -1672.5 | 13.38 | 0.00 | -2.220 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 04:45:00 | 20 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | -2.775 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 05:00:00 | 21 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | -1.110 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 05:15:00 | 22 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | 2.775 | 82.040164 |
| Nandurbar 132kV | 08/01/2020 05:30:00 | 23 | 12500.0 | 1627.5 | 0.0 | -1627.5 | 13.02 | 0.00 | -3.428 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 05:45:00 | 24 | 12500.0 | 1640.0 | 0.0 | -1640.0 | 13.12 | 0.00 | -2.775 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 06:00:00 | 25 | 12500.0 | 1627.5 | 0.0 | -1627.5 | 13.02 | 0.00 | -2.220 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 06:15:00 | 26 | 12500.0 | 1640.0 | 0.0 | -1640.0 | 13.12 | 0.00 | 2.220 | 335.781699 |
| Nandurbar 132kV | 08/01/2020 06:30:00 | 27 | 12500.0 | 1650.0 | 0.0 | -1650.0 | 13.2 | 0.00 | 5.387 | 2969.937962 |
| Nandurbar 132kV | 08/01/2020 06:45:00 | 28 | 12500.0 | 1652.5 | 0.0 | -1652.5 | 13.22 | 0.00 | -4.734 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 07:00:00 | 29 | 12500.0 | 1637.5 | 0.0 | -1637.5 | 13.1 | 0.00 | -4.407 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 07:15:00 | 30 | 12500.0 | 1632.5 | 0.0 | -1632.5 | 13.06 | 0.00 | 5.061 | 2877.417800 |
| Nandurbar 132kV | 08/01/2020 07:30:00 | 31 | 12500.0 | 1642.5 | 0.0 | -1642.5 | 13.14 | 0.00 | 5.714 | 2770.076631 |
| Nandurbar 132kV | 08/01/2020 07:45:00 | 32 | 12500.0 | 1602.5 | 0.0 | -1602.5 | 12.82 | 0.00 | 5.061 | 1062.512594 |
| Nandurbar 132kV | 08/01/2020 08:00:00 | 33 | 12500.0 | 1655.0 | 0.0 | -1655.0 | 13.24 | 0.00 | 2.775 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 08:15:00 | 34 | 12500.0 | 1672.5 | 0.0 | -1672.5 | 13.38 | 0.00 | 2.775 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 08:30:00 | 35 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | 5.387 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 08:45:00 | 36 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nandurbar 132kV | 08/01/2020 09:00:00 | 37 | 12500.0 | 1642.5 | 0.0 | -1642.5 | 13.14 | 0.00 | 7.673 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 09:15:00 | 38 | 12500.0 | 1602.5 | 0.0 | -1602.5 | 12.82 | 0.00 | 7.673 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 09:30:00 | 39 | 12500.0 | 1655.0 | 0.0 | -1655.0 | 13.24 | 0.00 | 3.101 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 09:45:00 | 40 | 12500.0 | 1672.5 | 0.0 | -1672.5 | 13.38 | 0.00 | -3.101 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 10:00:00 | 41 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | -3.101 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 10:15:00 | 42 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | -3.101 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 10:30:00 | 43 | 12500.0 | 1672.5 | 0.0 | -1672.5 | 13.38 | 0.00 | -1.665 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 10:45:00 | 44 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | 0.000 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 11:00:00 | 45 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | -1.486 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 11:15:00 | 46 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | -1.305 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 11:30:00 | 47 | 12500.0 | 1627.5 | 0.0 | -1627.5 | 13.02 | 0.00 | -2.425 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 11:45:00 | 48 | 12500.0 | 1640.0 | 0.0 | -1640.0 | 13.12 | 0.00 | -2.775 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 12:00:00 | 49 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | -2.083 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 12:15:00 | 50 | 12500.0 | 1802.5 | 0.0 | -1802.5 | 14.42 | 0.00 | -3.242 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 12:30:00 | 51 | 12500.0 | 1885.0 | 0.0 | -1885.0 | 15.08 | 5.00 | -1.330 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 12:45:00 | 52 | 12500.0 | 1920.0 | 0.0 | -1920.0 | 15.36 | 22.50 | -0.830 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 13:00:00 | 53 | 12500.0 | 2027.5 | 0.0 | -2027.5 | 16.22 | 76.25 | 2.775 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 13:15:00 | 54 | 12500.0 | 2085.0 | 0.0 | -2085.0 | 16.68 | 105.00 | 0.000 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 13:30:00 | 55 | 12500.0 | 2160.0 | 0.0 | -2160.0 | 17.28 | 142.50 | -1.012 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 13:45:00 | 56 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | -1.087 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 14:00:00 | 57 | 12500.0 | 1672.5 | 0.0 | -1672.5 | 13.38 | 0.00 | -3.101 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nandurbar 132kV | 08/01/2020 14:15:00 | 58 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | -4.081 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 14:30:00 | 59 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | -2.996 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 14:45:00 | 60 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | -3.101 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 15:00:00 | 61 | 12500.0 | 3082.5 | 0.0 | -3082.5 | 24.66 | 603.75 | -1.879 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 15:15:00 | 62 | 12500.0 | 3162.5 | 0.0 | -3162.5 | 25.3 | 662.50 | -4.081 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 15:30:00 | 63 | 12500.0 | 3245.0 | 0.0 | -3245.0 | 25.96 | 745.00 | 4.938 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 15:45:00 | 64 | 12500.0 | 3335.0 | 0.0 | -3335.0 | 26.68 | 835.00 | 4.719 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 16:00:00 | 65 | 12500.0 | 3272.5 | 0.0 | -3272.5 | 26.18 | 772.50 | 0.555 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 16:15:00 | 66 | 12500.0 | 3207.5 | 0.0 | -3207.5 | 25.66 | 707.50 | -4.081 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 16:30:00 | 67 | 12500.0 | 3130.0 | 0.0 | -3130.0 | 25.04 | 630.00 | -3.754 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 16:45:00 | 68 | 12500.0 | 3037.5 | 0.0 | -3037.5 | 24.3 | 581.25 | -8.000 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 17:00:00 | 69 | 12500.0 | 2830.0 | 0.0 | -2830.0 | 22.64 | 477.50 | 0.000 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 17:15:00 | 70 | 12500.0 | 3082.5 | 0.0 | -3082.5 | 24.66 | 603.75 | 4.081 | 591.301740 |
| Nandurbar 132kV | 08/01/2020 17:30:00 | 71 | 12500.0 | 3162.5 | 0.0 | -3162.5 | 25.3 | 662.50 | -5.387 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 17:45:00 | 72 | 12500.0 | 3245.0 | 0.0 | -3245.0 | 25.96 | 745.00 | -3.101 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 18:00:00 | 73 | 12500.0 | 3335.0 | 0.0 | -3335.0 | 26.68 | 835.00 | -2.775 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 18:15:00 | 74 | 12500.0 | 2912.5 | 0.0 | -2912.5 | 23.3 | 518.75 | -3.101 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 18:30:00 | 75 | 12500.0 | 2785.0 | 0.0 | -2785.0 | 22.28 | 455.00 | -2.220 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 18:45:00 | 76 | 12500.0 | 2660.0 | 0.0 | -2660.0 | 21.28 | 392.50 | 2.220 | 2096.810222 |
| Nandurbar 132kV | 08/01/2020 19:00:00 | 77 | 12500.0 | 2632.5 | 0.0 | -2632.5 | 21.06 | 378.75 | 1.110 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 19:15:00 | 78 | 12500.0 | 2722.5 | 0.0 | -2722.5 | 21.78 | 423.75 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nandurbar 132kV | 08/01/2020 19:30:00 | 79 | 12500.0 | 2495.0 | 0.0 | -2495.0 | 19.96 | 310.00 | -2.220 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 19:45:00 | 80 | 12500.0 | 2445.0 | 0.0 | -2445.0 | 19.56 | 285.00 | -0.555 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 20:00:00 | 81 | 12500.0 | 2412.5 | 0.0 | -2412.5 | 19.3 | 268.75 | 2.775 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 20:15:00 | 82 | 12500.0 | 2272.5 | 0.0 | -2272.5 | 18.18 | 198.75 | 3.101 | 3799.805097 |
| Nandurbar 132kV | 08/01/2020 20:30:00 | 83 | 12500.0 | 2085.0 | 0.0 | -2085.0 | 16.68 | 105.00 | 4.408 | 4722.960373 |
| Nandurbar 132kV | 08/01/2020 20:45:00 | 84 | 12500.0 | 2245.0 | 0.0 | -2245.0 | 17.96 | 185.00 | 3.101 | 1469.127890 |
| Nandurbar 132kV | 08/01/2020 21:00:00 | 85 | 12500.0 | 2195.0 | 0.0 | -2195.0 | 17.56 | 160.00 | 3.101 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 21:15:00 | 86 | 12500.0 | 2172.5 | 0.0 | -2172.5 | 17.38 | 148.75 | -0.555 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 21:30:00 | 87 | 12500.0 | 2162.5 | 0.0 | -2162.5 | 17.3 | 143.75 | -1.110 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 21:45:00 | 88 | 12500.0 | 2145.0 | 0.0 | -2145.0 | 17.16 | 135.00 | -1.110 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 22:00:00 | 89 | 12500.0 | 2117.5 | 0.0 | -2117.5 | 16.94 | 121.25 | -2.489 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 22:15:00 | 90 | 12500.0 | 2095.0 | 0.0 | -2095.0 | 16.76 | 110.00 | -2.775 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 22:30:00 | 91 | 12500.0 | 2067.5 | 0.0 | -2067.5 | 16.54 | 96.25 | -2.223 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 22:45:00 | 92 | 12500.0 | 2005.0 | 0.0 | -2005.0 | 16.04 | 65.00 | 1.110 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 23:00:00 | 93 | 12500.0 | 1935.0 | 0.0 | -1935.0 | 15.48 | 30.00 | 1.110 | 206.582543 |
| Nandurbar 132kV | 08/01/2020 23:15:00 | 94 | 12500.0 | 1902.5 | 0.0 | -1902.5 | 15.22 | 13.75 | 1.110 | 0.000000 |
| Nandurbar 132kV | 08/01/2020 23:30:00 | 95 | 12500.0 | 1865.0 | 0.0 | -1865.0 | 14.92 | 0.00 | 2.775 | 16.953818 |
| Nandurbar 132kV | 08/01/2020 23:45:00 | 96 | 12500.0 | 1832.5 | 0.0 | -1832.5 | 14.66 | 0.00 | 0.000 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 00:00:00 | 1 | 12500.0 | 1627.5 | 0.0 | -1627.5 | 13.02 | 0.00 | -0.576 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 00:15:00 | 2 | 12500.0 | 1640.0 | 0.0 | -1640.0 | 13.12 | 0.00 | -1.727 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 00:30:00 | 3 | 12500.0 | 1650.0 | 0.0 | -1650.0 | 13.2 | 0.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nandurbar 132kV | 09/01/2020 00:45:00 | 4 | 12500.0 | 1652.5 | 0.0 | -1652.5 | 13.22 | 0.00 | -2.879 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 01:00:00 | 5 | 12500.0 | 1637.5 | 0.0 | -1637.5 | 13.1 | 0.00 | -3.519 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 01:15:00 | 6 | 12500.0 | 1632.5 | 0.0 | -1632.5 | 13.06 | 0.00 | -3.519 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 01:30:00 | 7 | 12500.0 | 1642.5 | 0.0 | -1642.5 | 13.14 | 0.00 | -3.199 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 01:45:00 | 8 | 12500.0 | 1602.5 | 0.0 | -1602.5 | 12.82 | 0.00 | 3.519 | 389.387527 |
| Nandurbar 132kV | 09/01/2020 02:00:00 | 9 | 12500.0 | 1655.0 | 0.0 | -1655.0 | 13.24 | 0.00 | 3.519 | 1822.002667 |
| Nandurbar 132kV | 09/01/2020 02:15:00 | 10 | 12500.0 | 1672.5 | 0.0 | -1672.5 | 13.38 | 0.00 | 2.879 | 807.545410 |
| Nandurbar 132kV | 09/01/2020 02:30:00 | 11 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | 3.199 | 1170.547892 |
| Nandurbar 132kV | 09/01/2020 02:45:00 | 12 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | 1.152 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 03:00:00 | 13 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | -2.879 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 03:15:00 | 14 | 12500.0 | 1707.5 | 0.0 | -1707.5 | 13.66 | 0.00 | -3.839 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 03:30:00 | 15 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | 3.199 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 03:45:00 | 16 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | 0.000 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 04:00:00 | 17 | 12500.0 | 1725.0 | 0.0 | -1725.0 | 13.8 | 0.00 | 1.727 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 04:15:00 | 18 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | 1.727 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 04:30:00 | 19 | 12500.0 | 1672.5 | 0.0 | -1672.5 | 13.38 | 0.00 | 1.727 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 04:45:00 | 20 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | 2.879 | 1452.149932 |
| Nandurbar 132kV | 09/01/2020 05:00:00 | 21 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | 3.839 | 844.859966 |
| Nandurbar 132kV | 09/01/2020 05:15:00 | 22 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | 5.119 | 2403.083498 |
| Nandurbar 132kV | 09/01/2020 05:30:00 | 23 | 12500.0 | 1627.5 | 0.0 | -1627.5 | 13.02 | 0.00 | 4.064 | 4186.587287 |
| Nandurbar 132kV | 09/01/2020 05:45:00 | 24 | 12500.0 | 1640.0 | 0.0 | -1640.0 | 13.12 | 0.00 | 1.152 | 11.569941 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nandurbar 132kV | 09/01/2020 06:00:00 | 25 | 12500.0 | 1627.5 | 0.0 | -1627.5 | 13.02 | 0.00 | -2.303 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 06:15:00 | 26 | 12500.0 | 1640.0 | 0.0 | -1640.0 | 13.12 | 0.00 | 2.303 | 1090.844512 |
| Nandurbar 132kV | 09/01/2020 06:30:00 | 27 | 12500.0 | 1650.0 | 0.0 | -1650.0 | 13.2 | 0.00 | -3.839 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 06:45:00 | 28 | 12500.0 | 1652.5 | 0.0 | -1652.5 | 13.22 | 0.00 | -2.879 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 07:00:00 | 29 | 12500.0 | 1637.5 | 0.0 | -1637.5 | 13.1 | 0.00 | -2.879 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 07:15:00 | 30 | 12500.0 | 1632.5 | 0.0 | -1632.5 | 13.06 | 0.00 | 6.400 | 812.179728 |
| Nandurbar 132kV | 09/01/2020 07:30:00 | 31 | 12500.0 | 1642.5 | 0.0 | -1642.5 | 13.14 | 0.00 | 1.172 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 07:45:00 | 32 | 12500.0 | 1602.5 | 0.0 | -1602.5 | 12.82 | 0.00 | 0.576 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 08:00:00 | 33 | 12500.0 | 1655.0 | 0.0 | -1655.0 | 13.24 | 0.00 | -0.576 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 08:15:00 | 34 | 12500.0 | 1672.5 | 0.0 | -1672.5 | 13.38 | 0.00 | -1.152 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 08:30:00 | 35 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | 0.576 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 08:45:00 | 36 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | 0.000 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 09:00:00 | 37 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | 1.152 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 09:15:00 | 38 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | 1.727 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 09:30:00 | 39 | 12500.0 | 1627.5 | 0.0 | -1627.5 | 13.02 | 0.00 | -3.839 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 09:45:00 | 40 | 12500.0 | 1640.0 | 0.0 | -1640.0 | 13.12 | 0.00 | -1.152 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 10:00:00 | 41 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | 0.000 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 10:15:00 | 42 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | 1.727 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 10:30:00 | 43 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | 2.303 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 10:45:00 | 44 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | -1.144 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 11:00:00 | 45 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | -4.479 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nandurbar 132kV | 09/01/2020 11:15:00 | 46 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | -3.519 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 11:30:00 | 47 | 12500.0 | 1627.5 | 0.0 | -1627.5 | 13.02 | 0.00 | -2.303 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 11:45:00 | 48 | 12500.0 | 1640.0 | 0.0 | -1640.0 | 13.12 | 0.00 | -0.576 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 12:00:00 | 49 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | 0.000 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 12:15:00 | 50 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | 3.839 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 12:30:00 | 51 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | 3.199 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 12:45:00 | 52 | 12500.0 | 1707.5 | 0.0 | -1707.5 | 13.66 | 0.00 | 3.199 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 13:00:00 | 53 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | -1.152 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 13:15:00 | 54 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | -1.152 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 13:30:00 | 55 | 12500.0 | 1725.0 | 0.0 | -1725.0 | 13.8 | 0.00 | 1.727 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 13:45:00 | 56 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | 3.199 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 14:00:00 | 57 | 12500.0 | 1672.5 | 0.0 | -1672.5 | 13.38 | 0.00 | 4.345 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 14:15:00 | 58 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | 3.941 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 14:30:00 | 59 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | 1.152 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 14:45:00 | 60 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | -0.576 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 15:00:00 | 61 | 12500.0 | 1627.5 | 0.0 | -1627.5 | 13.02 | 0.00 | -1.006 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 15:15:00 | 62 | 12500.0 | 1640.0 | 0.0 | -1640.0 | 13.12 | 0.00 | 3.199 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 15:30:00 | 63 | 12500.0 | 1652.5 | 0.0 | -1652.5 | 13.22 | 0.00 | 2.879 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 15:45:00 | 64 | 12500.0 | 1637.5 | 0.0 | -1637.5 | 13.1 | 0.00 | 3.839 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 16:00:00 | 65 | 12500.0 | 1632.5 | 0.0 | -1632.5 | 13.06 | 0.00 | 1.727 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 16:15:00 | 66 | 12500.0 | 1642.5 | 0.0 | -1642.5 | 13.14 | 0.00 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nandurbar 132kV | 09/01/2020 16:30:00 | 67 | 12500.0 | 1602.5 | 0.0 | -1602.5 | 12.82 | 0.00 | -4.159 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 16:45:00 | 68 | 12500.0 | 1655.0 | 0.0 | -1655.0 | 13.24 | 0.00 | 3.839 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 17:00:00 | 69 | 12500.0 | 1672.5 | 0.0 | -1672.5 | 13.38 | 0.00 | 1.727 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 17:15:00 | 70 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | 3.839 | 579.161077 |
| Nandurbar 132kV | 09/01/2020 17:30:00 | 71 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | -2.879 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 17:45:00 | 72 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | -4.146 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 18:00:00 | 73 | 12500.0 | 1707.5 | 0.0 | -1707.5 | 13.66 | 0.00 | -3.349 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 18:15:00 | 74 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | -4.563 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 18:30:00 | 75 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | -3.839 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 18:45:00 | 76 | 12500.0 | 1725.0 | 0.0 | -1725.0 | 13.8 | 0.00 | -2.879 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 19:00:00 | 77 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | -3.199 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 19:15:00 | 78 | 12500.0 | 1672.5 | 0.0 | -1672.5 | 13.38 | 0.00 | -1.727 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 19:30:00 | 79 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | -1.442 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 19:45:00 | 80 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | -0.286 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 20:00:00 | 81 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | -1.070 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 20:15:00 | 82 | 12500.0 | 1627.5 | 0.0 | -1627.5 | 13.02 | 0.00 | -2.236 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 20:30:00 | 83 | 12500.0 | 1640.0 | 0.0 | -1640.0 | 13.12 | 0.00 | -4.799 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 20:45:00 | 84 | 12500.0 | 1652.5 | 0.0 | -1652.5 | 13.22 | 0.00 | -1.727 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 21:00:00 | 85 | 12500.0 | 3387.5 | 0.0 | -3387.5 | 27.1 | 887.50 | -1.727 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 21:15:00 | 86 | 12500.0 | 3495.0 | 0.0 | -3495.0 | 27.96 | 995.00 | 1.152 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 21:30:00 | 87 | 12500.0 | 3580.0 | 0.0 | -3580.0 | 28.64 | 1080.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nandurbar 132kV | 09/01/2020 21:45:00 | 88 | 12500.0 | 3745.0 | 0.0 | -3745.0 | 29.96 | 1245.00 | -2.303 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 22:00:00 | 89 | 12500.0 | 3755.0 | 0.0 | -3755.0 | 30.04 | 1255.00 | -2.795 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 22:15:00 | 90 | 12500.0 | 3920.0 | 0.0 | -3920.0 | 31.36 | 1420.00 | -3.674 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 22:30:00 | 91 | 12500.0 | 3185.0 | 0.0 | -3185.0 | 25.48 | 685.00 | -2.303 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 22:45:00 | 92 | 12500.0 | 3192.5 | 0.0 | -3192.5 | 25.54 | 692.50 | -1.152 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 23:00:00 | 93 | 12500.0 | 3202.5 | 0.0 | -3202.5 | 25.62 | 702.50 | 0.000 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 23:15:00 | 94 | 12500.0 | 3207.5 | 0.0 | -3207.5 | 25.66 | 707.50 | -0.576 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 23:30:00 | 95 | 12500.0 | 3220.0 | 0.0 | -3220.0 | 25.76 | 720.00 | -0.576 | 0.000000 |
| Nandurbar 132kV | 09/01/2020 23:45:00 | 96 | 12500.0 | 3220.0 | 0.0 | -3220.0 | 25.76 | 720.00 | -0.987 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 00:00:00 | 1 | 12500.0 | 1627.5 | 0.0 | -1627.5 | 13.02 | 0.00 | -0.680 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 00:15:00 | 2 | 12500.0 | 1640.0 | 0.0 | -1640.0 | 13.12 | 0.00 | -3.326 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 00:30:00 | 3 | 12500.0 | 1650.0 | 0.0 | -1650.0 | 13.2 | 0.00 | -2.992 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 00:45:00 | 4 | 12500.0 | 1652.5 | 0.0 | -1652.5 | 13.22 | 0.00 | -0.532 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 01:00:00 | 5 | 12500.0 | 1637.5 | 0.0 | -1637.5 | 13.1 | 0.00 | -0.713 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 01:15:00 | 6 | 12500.0 | 1632.5 | 0.0 | -1632.5 | 13.06 | 0.00 | -0.548 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 01:30:00 | 7 | 12500.0 | 1642.5 | 0.0 | -1642.5 | 13.14 | 0.00 | -2.658 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 01:45:00 | 8 | 12500.0 | 1602.5 | 0.0 | -1602.5 | 12.82 | 0.00 | 2.127 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 02:00:00 | 9 | 12500.0 | 1655.0 | 0.0 | -1655.0 | 13.24 | 0.00 | 5.342 | 3242.756936 |
| Nandurbar 132kV | 10/01/2020 02:15:00 | 10 | 12500.0 | 1672.5 | 0.0 | -1672.5 | 13.38 | 0.00 | 1.595 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 02:30:00 | 11 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | 3.326 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 02:45:00 | 12 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nandurbar 132kV | 10/01/2020 03:00:00 | 13 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | 2.658 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 03:15:00 | 14 | 12500.0 | 1707.5 | 0.0 | -1707.5 | 13.66 | 0.00 | 2.127 | 270.745938 |
| Nandurbar 132kV | 10/01/2020 03:30:00 | 15 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | 2.127 | 323.343999 |
| Nandurbar 132kV | 10/01/2020 03:45:00 | 16 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | -1.063 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 04:00:00 | 17 | 12500.0 | 1725.0 | 0.0 | -1725.0 | 13.8 | 0.00 | 1.595 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 04:15:00 | 18 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | 3.326 | 1022.778973 |
| Nandurbar 132kV | 10/01/2020 04:30:00 | 19 | 12500.0 | 2830.0 | 0.0 | -2830.0 | 22.64 | 477.50 | 3.326 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 04:45:00 | 20 | 12500.0 | 2812.5 | 0.0 | -2812.5 | 22.5 | 468.75 | 2.127 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 05:00:00 | 21 | 12500.0 | 2762.5 | 0.0 | -2762.5 | 22.1 | 443.75 | 2.992 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 05:15:00 | 22 | 12500.0 | 2745.0 | 0.0 | -2745.0 | 21.96 | 435.00 | 1.063 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 05:30:00 | 23 | 12500.0 | 2662.5 | 0.0 | -2662.5 | 21.3 | 393.75 | -2.658 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 05:45:00 | 24 | 12500.0 | 2630.0 | 0.0 | -2630.0 | 21.04 | 377.50 | 2.127 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 06:00:00 | 25 | 12500.0 | 2605.0 | 0.0 | -2605.0 | 20.84 | 365.00 | -2.127 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 06:15:00 | 26 | 12500.0 | 2580.0 | 0.0 | -2580.0 | 20.64 | 352.50 | 2.658 | 654.517488 |
| Nandurbar 132kV | 10/01/2020 06:30:00 | 27 | 12500.0 | 2565.0 | 0.0 | -2565.0 | 20.52 | 345.00 | -2.992 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 06:45:00 | 28 | 12500.0 | 2412.5 | 0.0 | -2412.5 | 19.3 | 268.75 | -3.077 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 07:00:00 | 29 | 12500.0 | 2337.5 | 0.0 | -2337.5 | 18.7 | 231.25 | -0.687 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 07:15:00 | 30 | 12500.0 | 2315.0 | 0.0 | -2315.0 | 18.52 | 220.00 | -2.658 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 07:30:00 | 31 | 12500.0 | 2340.0 | 0.0 | -2340.0 | 18.72 | 232.50 | -1.063 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 07:45:00 | 32 | 12500.0 | 2330.0 | 0.0 | -2330.0 | 18.64 | 227.50 | -2.658 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 08:00:00 | 33 | 12500.0 | 2315.0 | 0.0 | -2315.0 | 18.52 | 220.00 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nandurbar 132kV | 10/01/2020 08:15:00 | 34 | 12500.0 | 2340.0 | 0.0 | -2340.0 | 18.72 | 232.50 | -4.661 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 08:30:00 | 35 | 12500.0 | 2337.5 | 0.0 | -2337.5 | 18.7 | 231.25 | 5.663 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 08:45:00 | 36 | 12500.0 | 2307.5 | 0.0 | -2307.5 | 18.46 | 216.25 | 4.328 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 09:00:00 | 37 | 12500.0 | 2162.5 | 0.0 | -2162.5 | 17.3 | 143.75 | -4.995 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 09:15:00 | 38 | 12500.0 | 2130.0 | 0.0 | -2130.0 | 17.04 | 127.50 | -4.327 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 09:30:00 | 39 | 12500.0 | 2135.0 | 0.0 | -2135.0 | 17.08 | 130.00 | -2.127 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 09:45:00 | 40 | 12500.0 | 2090.0 | 0.0 | -2090.0 | 16.72 | 107.50 | -1.152 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 10:00:00 | 41 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | 0.000 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 10:15:00 | 42 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | -0.532 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 10:30:00 | 43 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | -1.063 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 10:45:00 | 44 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | 0.000 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 11:00:00 | 45 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | 2.658 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 11:15:00 | 46 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | 0.000 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 11:30:00 | 47 | 12500.0 | 1627.5 | 0.0 | -1627.5 | 13.02 | 0.00 | -1.595 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 11:45:00 | 48 | 12500.0 | 1640.0 | 0.0 | -1640.0 | 13.12 | 0.00 | 2.992 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 12:00:00 | 49 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | 0.000 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 12:15:00 | 50 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | 2.127 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 12:30:00 | 51 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | 1.595 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 12:45:00 | 52 | 12500.0 | 1707.5 | 0.0 | -1707.5 | 13.66 | 0.00 | -1.063 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 13:00:00 | 53 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | 2.658 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 13:15:00 | 54 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nandurbar 132kV | 10/01/2020 13:30:00 | 55 | 12500.0 | 1725.0 | 0.0 | -1725.0 | 13.8 | 0.00 | 2.127 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 13:45:00 | 56 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | -3.326 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 14:00:00 | 57 | 12500.0 | 1672.5 | 0.0 | -1672.5 | 13.38 | 0.00 | -2.992 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 14:15:00 | 58 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | 3.660 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 14:30:00 | 59 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | -2.127 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 14:45:00 | 60 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | -2.127 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 15:00:00 | 61 | 12500.0 | 1627.5 | 0.0 | -1627.5 | 13.02 | 0.00 | 0.000 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 15:15:00 | 62 | 12500.0 | 1640.0 | 0.0 | -1640.0 | 13.12 | 0.00 | -2.992 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 15:30:00 | 63 | 12500.0 | 1652.5 | 0.0 | -1652.5 | 13.22 | 0.00 | -4.995 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 15:45:00 | 64 | 12500.0 | 1637.5 | 0.0 | -1637.5 | 13.1 | 0.00 | -4.327 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 16:00:00 | 65 | 12500.0 | 1632.5 | 0.0 | -1632.5 | 13.06 | 0.00 | -4.995 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 16:15:00 | 66 | 12500.0 | 1642.5 | 0.0 | -1642.5 | 13.14 | 0.00 | -8.000 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 16:30:00 | 67 | 12500.0 | 1602.5 | 0.0 | -1602.5 | 12.82 | 0.00 | -8.000 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 16:45:00 | 68 | 12500.0 | 1655.0 | 0.0 | -1655.0 | 13.24 | 0.00 | 4.327 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 17:00:00 | 69 | 12500.0 | 1672.5 | 0.0 | -1672.5 | 13.38 | 0.00 | 0.532 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 17:15:00 | 70 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | -1.595 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 17:30:00 | 71 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | -2.658 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 17:45:00 | 72 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | -2.127 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 18:00:00 | 73 | 12500.0 | 1707.5 | 0.0 | -1707.5 | 13.66 | 0.00 | -1.461 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 18:15:00 | 74 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | 3.326 | 604.435869 |
| Nandurbar 132kV | 10/01/2020 18:30:00 | 75 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nandurbar 132kV | 10/01/2020 18:45:00 | 76 | 12500.0 | 1725.0 | 0.0 | -1725.0 | 13.8 | 0.00 | 3.994 | 287.944570 |
| Nandurbar 132kV | 10/01/2020 19:00:00 | 77 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | -2.127 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 19:15:00 | 78 | 12500.0 | 1672.5 | 0.0 | -1672.5 | 13.38 | 0.00 | -2.658 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 19:30:00 | 79 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | -3.660 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 19:45:00 | 80 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | -3.326 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 20:00:00 | 81 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | 3.660 | 415.016477 |
| Nandurbar 132kV | 10/01/2020 20:15:00 | 82 | 12500.0 | 1627.5 | 0.0 | -1627.5 | 13.02 | 0.00 | 3.660 | 1703.750798 |
| Nandurbar 132kV | 10/01/2020 20:30:00 | 83 | 12500.0 | 1640.0 | 0.0 | -1640.0 | 13.12 | 0.00 | 4.995 | 2437.303979 |
| Nandurbar 132kV | 10/01/2020 20:45:00 | 84 | 12500.0 | 1652.5 | 0.0 | -1652.5 | 13.22 | 0.00 | 2.992 | 1736.661022 |
| Nandurbar 132kV | 10/01/2020 21:00:00 | 85 | 12500.0 | 1637.5 | 0.0 | -1637.5 | 13.1 | 0.00 | -3.660 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 21:15:00 | 86 | 12500.0 | 1632.5 | 0.0 | -1632.5 | 13.06 | 0.00 | -1.595 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 21:30:00 | 87 | 12500.0 | 1642.5 | 0.0 | -1642.5 | 13.14 | 0.00 | -1.063 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 21:45:00 | 88 | 12500.0 | 1602.5 | 0.0 | -1602.5 | 12.82 | 0.00 | -0.532 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 22:00:00 | 89 | 12500.0 | 1655.0 | 0.0 | -1655.0 | 13.24 | 0.00 | -1.595 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 22:15:00 | 90 | 12500.0 | 1672.5 | 0.0 | -1672.5 | 13.38 | 0.00 | -2.127 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 22:30:00 | 91 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | 1.063 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 22:45:00 | 92 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | -2.658 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 23:00:00 | 93 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | -2.658 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 23:15:00 | 94 | 12500.0 | 1707.5 | 0.0 | -1707.5 | 13.66 | 0.00 | 0.000 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 23:30:00 | 95 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | 0.000 | 0.000000 |
| Nandurbar 132kV | 10/01/2020 23:45:00 | 96 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nandurbar 132kV | 11/01/2020 00:00:00 | 1 | 12500.0 | 1627.5 | 0.0 | -1627.5 | 13.02 | 0.00 | 0.000 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 00:15:00 | 2 | 12500.0 | 1640.0 | 0.0 | -1640.0 | 13.12 | 0.00 | -2.629 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 00:30:00 | 3 | 12500.0 | 1650.0 | 0.0 | -1650.0 | 13.2 | 0.00 | -1.577 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 00:45:00 | 4 | 12500.0 | 1652.5 | 0.0 | -1652.5 | 13.22 | 0.00 | 2.103 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 01:00:00 | 5 | 12500.0 | 1637.5 | 0.0 | -1637.5 | 13.1 | 0.00 | 2.964 | 769.318977 |
| Nandurbar 132kV | 11/01/2020 01:15:00 | 6 | 12500.0 | 1632.5 | 0.0 | -1632.5 | 13.06 | 0.00 | 1.052 | 107.666351 |
| Nandurbar 132kV | 11/01/2020 01:30:00 | 7 | 12500.0 | 1642.5 | 0.0 | -1642.5 | 13.14 | 0.00 | 1.577 | 192.862007 |
| Nandurbar 132kV | 11/01/2020 01:45:00 | 8 | 12500.0 | 1602.5 | 0.0 | -1602.5 | 12.82 | 0.00 | -0.526 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 02:00:00 | 9 | 12500.0 | 1655.0 | 0.0 | -1655.0 | 13.24 | 0.00 | -0.403 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 02:15:00 | 10 | 12500.0 | 1672.5 | 0.0 | -1672.5 | 13.38 | 0.00 | -0.630 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 02:30:00 | 11 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | -0.526 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 02:45:00 | 12 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | -0.526 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 03:00:00 | 13 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | -1.051 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 03:15:00 | 14 | 12500.0 | 1707.5 | 0.0 | -1707.5 | 13.66 | 0.00 | 0.000 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 03:30:00 | 15 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | 0.000 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 03:45:00 | 16 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | 0.000 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 04:00:00 | 17 | 12500.0 | 1725.0 | 0.0 | -1725.0 | 13.8 | 0.00 | 0.000 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 04:15:00 | 18 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | -1.051 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 04:30:00 | 19 | 12500.0 | 1672.5 | 0.0 | -1672.5 | 13.38 | 0.00 | -2.964 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 04:45:00 | 20 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | -3.300 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 05:00:00 | 21 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nandurbar 132kV | 11/01/2020 05:15:00 | 22 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | 5.314 | 2133.222702 |
| Nandurbar 132kV | 11/01/2020 05:30:00 | 23 | 12500.0 | 1627.5 | 0.0 | -1627.5 | 13.02 | 0.00 | 2.964 | 985.371994 |
| Nandurbar 132kV | 11/01/2020 05:45:00 | 24 | 12500.0 | 1640.0 | 0.0 | -1640.0 | 13.12 | 0.00 | 2.103 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 06:00:00 | 25 | 12500.0 | 1627.5 | 0.0 | -1627.5 | 13.02 | 0.00 | 3.636 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 06:15:00 | 26 | 12500.0 | 1640.0 | 0.0 | -1640.0 | 13.12 | 0.00 | 2.964 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 06:30:00 | 27 | 12500.0 | 1650.0 | 0.0 | -1650.0 | 13.2 | 0.00 | 4.105 | 1212.140198 |
| Nandurbar 132kV | 11/01/2020 06:45:00 | 28 | 12500.0 | 1652.5 | 0.0 | -1652.5 | 13.22 | 0.00 | 5.650 | 255.562942 |
| Nandurbar 132kV | 11/01/2020 07:00:00 | 29 | 12500.0 | 1637.5 | 0.0 | -1637.5 | 13.1 | 0.00 | 3.300 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 07:15:00 | 30 | 12500.0 | 1632.5 | 0.0 | -1632.5 | 13.06 | 0.00 | 5.314 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 07:30:00 | 31 | 12500.0 | 1642.5 | 0.0 | -1642.5 | 13.14 | 0.00 | 2.964 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 07:45:00 | 32 | 12500.0 | 1602.5 | 0.0 | -1602.5 | 12.82 | 0.00 | 2.103 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 08:00:00 | 33 | 12500.0 | 1655.0 | 0.0 | -1655.0 | 13.24 | 0.00 | -1.577 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 08:15:00 | 34 | 12500.0 | 1672.5 | 0.0 | -1672.5 | 13.38 | 0.00 | 3.300 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 08:30:00 | 35 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | 2.116 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 08:45:00 | 36 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | 2.964 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 09:00:00 | 37 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | 6.681 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 09:15:00 | 38 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | 6.657 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 09:30:00 | 39 | 12500.0 | 1627.5 | 0.0 | -1627.5 | 13.02 | 0.00 | -6.322 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 09:45:00 | 40 | 12500.0 | 1640.0 | 0.0 | -1640.0 | 13.12 | 0.00 | -2.103 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 10:00:00 | 41 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | 0.526 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 10:15:00 | 42 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nandurbar 132kV | 11/01/2020 10:30:00 | 43 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | 0.000 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 10:45:00 | 44 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | 0.000 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 11:00:00 | 45 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | 0.000 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 11:15:00 | 46 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | -2.964 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 11:30:00 | 47 | 12500.0 | 1627.5 | 0.0 | -1627.5 | 13.02 | 0.00 | -4.307 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 11:45:00 | 48 | 12500.0 | 1640.0 | 0.0 | -1640.0 | 13.12 | 0.00 | -3.300 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 12:00:00 | 49 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | -0.526 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 12:15:00 | 50 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | -2.103 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 12:30:00 | 51 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | -2.629 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 12:45:00 | 52 | 12500.0 | 1707.5 | 0.0 | -1707.5 | 13.66 | 0.00 | -2.629 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 13:00:00 | 53 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | 0.000 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 13:15:00 | 54 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | -2.103 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 13:30:00 | 55 | 12500.0 | 1725.0 | 0.0 | -1725.0 | 13.8 | 0.00 | 2.629 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 13:45:00 | 56 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | 2.103 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 14:00:00 | 57 | 12500.0 | 1672.5 | 0.0 | -1672.5 | 13.38 | 0.00 | 1.051 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 14:15:00 | 58 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | 3.300 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 14:30:00 | 59 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | -3.636 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 14:45:00 | 60 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | 4.979 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 15:00:00 | 61 | 12500.0 | 1627.5 | 0.0 | -1627.5 | 13.02 | 0.00 | -2.964 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 15:15:00 | 62 | 12500.0 | 1640.0 | 0.0 | -1640.0 | 13.12 | 0.00 | -5.314 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 15:30:00 | 63 | 12500.0 | 1652.5 | 0.0 | -1652.5 | 13.22 | 0.00 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nandurbar 132kV | 11/01/2020 15:45:00 | 64 | 12500.0 | 1637.5 | 0.0 | -1637.5 | 13.1 | 0.00 | 4.643 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 16:00:00 | 65 | 12500.0 | 1632.5 | 0.0 | -1632.5 | 13.06 | 0.00 | 2.103 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 16:15:00 | 66 | 12500.0 | 1642.5 | 0.0 | -1642.5 | 13.14 | 0.00 | -2.964 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 16:30:00 | 67 | 12500.0 | 1602.5 | 0.0 | -1602.5 | 12.82 | 0.00 | -2.103 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 16:45:00 | 68 | 12500.0 | 1655.0 | 0.0 | -1655.0 | 13.24 | 0.00 | 3.972 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 17:00:00 | 69 | 12500.0 | 1672.5 | 0.0 | -1672.5 | 13.38 | 0.00 | -1.577 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 17:15:00 | 70 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | -1.577 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 17:30:00 | 71 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | 1.051 | 21.595190 |
| Nandurbar 132kV | 11/01/2020 17:45:00 | 72 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | -2.103 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 18:00:00 | 73 | 12500.0 | 1707.5 | 0.0 | -1707.5 | 13.66 | 0.00 | -2.964 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 18:15:00 | 74 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | -2.629 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 18:30:00 | 75 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | 2.103 | 60.462290 |
| Nandurbar 132kV | 11/01/2020 18:45:00 | 76 | 12500.0 | 1725.0 | 0.0 | -1725.0 | 13.8 | 0.00 | 0.526 | 177.548781 |
| Nandurbar 132kV | 11/01/2020 19:00:00 | 77 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | 2.103 | 703.130091 |
| Nandurbar 132kV | 11/01/2020 19:15:00 | 78 | 12500.0 | 1672.5 | 0.0 | -1672.5 | 13.38 | 0.00 | -1.052 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 19:30:00 | 79 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | 2.964 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 19:45:00 | 80 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | 2.629 | 1258.943913 |
| Nandurbar 132kV | 11/01/2020 20:00:00 | 81 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | 2.629 | 276.878796 |
| Nandurbar 132kV | 11/01/2020 20:15:00 | 82 | 12500.0 | 1627.5 | 0.0 | -1627.5 | 13.02 | 0.00 | 4.307 | 872.788089 |
| Nandurbar 132kV | 11/01/2020 20:30:00 | 83 | 12500.0 | 1640.0 | 0.0 | -1640.0 | 13.12 | 0.00 | 2.964 | 2255.018200 |
| Nandurbar 132kV | 11/01/2020 20:45:00 | 84 | 12500.0 | 1652.5 | 0.0 | -1652.5 | 13.22 | 0.00 | 2.629 | 1950.450426 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nandurbar 132kV | 11/01/2020 21:00:00 | 85 | 12500.0 | 1637.5 | 0.0 | -1637.5 | 13.1 | 0.00 | 3.636 | 351.027647 |
| Nandurbar 132kV | 11/01/2020 21:15:00 | 86 | 12500.0 | 1632.5 | 0.0 | -1632.5 | 13.06 | 0.00 | -1.577 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 21:30:00 | 87 | 12500.0 | 1642.5 | 0.0 | -1642.5 | 13.14 | 0.00 | -1.577 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 21:45:00 | 88 | 12500.0 | 1602.5 | 0.0 | -1602.5 | 12.82 | 0.00 | -1.052 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 22:00:00 | 89 | 12500.0 | 1655.0 | 0.0 | -1655.0 | 13.24 | 0.00 | -5.650 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 22:15:00 | 90 | 12500.0 | 1672.5 | 0.0 | -1672.5 | 13.38 | 0.00 | -5.650 | 0.000000 |
| Nandurbar 132kV | 11/01/2020 22:30:00 | 91 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | 4.979 | 812.433924 |
| Nandurbar 132kV | 11/01/2020 22:45:00 | 92 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | 2.964 | 1062.861036 |
| Nandurbar 132kV | 11/01/2020 23:00:00 | 93 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | 1.577 | 266.216090 |
| Nandurbar 132kV | 11/01/2020 23:15:00 | 94 | 12500.0 | 1707.5 | 0.0 | -1707.5 | 13.66 | 0.00 | 1.074 | 218.388732 |
| Nandurbar 132kV | 11/01/2020 23:30:00 | 95 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | 2.113 | 991.560060 |
| Nandurbar 132kV | 11/01/2020 23:45:00 | 96 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | 2.162 | 1278.311530 |
| Nandurbar 132kV | 12/01/2020 00:00:00 | 1 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | 3.022 | 1047.152970 |
| Nandurbar 132kV | 12/01/2020 00:15:00 | 2 | 12500.0 | 1715.0 | 0.0 | -1715.0 | 13.72 | 0.00 | -2.152 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 00:30:00 | 3 | 12500.0 | 1725.0 | 0.0 | -1725.0 | 13.8 | 0.00 | -2.152 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 00:45:00 | 4 | 12500.0 | 1727.5 | 0.0 | -1727.5 | 13.82 | 0.00 | -3.022 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 01:00:00 | 5 | 12500.0 | 1712.5 | 0.0 | -1712.5 | 13.7 | 0.00 | -0.629 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 01:15:00 | 6 | 12500.0 | 2412.5 | 0.0 | -2412.5 | 19.3 | 268.75 | -3.317 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 01:30:00 | 7 | 12500.0 | 2420.0 | 0.0 | -2420.0 | 19.36 | 272.50 | -3.354 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 01:45:00 | 8 | 12500.0 | 2495.0 | 0.0 | -2495.0 | 19.96 | 310.00 | -3.022 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 02:00:00 | 9 | 12500.0 | 2530.0 | 0.0 | -2530.0 | 20.24 | 327.50 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nandurbar 132kV | 12/01/2020 02:15:00 | 10 | 12500.0 | 2580.0 | 0.0 | -2580.0 | 20.64 | 352.50 | -3.022 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 02:30:00 | 11 | 12500.0 | 2605.0 | 0.0 | -2605.0 | 20.84 | 365.00 | -2.690 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 02:45:00 | 12 | 12500.0 | 2580.0 | 0.0 | -2580.0 | 20.64 | 352.50 | -3.022 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 03:00:00 | 13 | 12500.0 | 2412.5 | 0.0 | -2412.5 | 19.3 | 268.75 | 3.354 | 1142.287474 |
| Nandurbar 132kV | 12/01/2020 03:15:00 | 14 | 12500.0 | 2380.0 | 0.0 | -2380.0 | 19.04 | 252.50 | 3.022 | 1381.982681 |
| Nandurbar 132kV | 12/01/2020 03:30:00 | 15 | 12500.0 | 2162.5 | 0.0 | -2162.5 | 17.3 | 143.75 | 3.354 | 465.736775 |
| Nandurbar 132kV | 12/01/2020 03:45:00 | 16 | 12500.0 | 1795.0 | 0.0 | -1795.0 | 14.36 | 0.00 | 2.152 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 04:00:00 | 17 | 12500.0 | 1800.0 | 0.0 | -1800.0 | 14.4 | 0.00 | -2.152 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 04:15:00 | 18 | 12500.0 | 1795.0 | 0.0 | -1795.0 | 14.36 | 0.00 | -3.022 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 04:30:00 | 19 | 12500.0 | 1747.5 | 0.0 | -1747.5 | 13.98 | 0.00 | 1.076 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 04:45:00 | 20 | 12500.0 | 1760.0 | 0.0 | -1760.0 | 14.08 | 0.00 | -3.022 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 05:00:00 | 21 | 12500.0 | 1767.5 | 0.0 | -1767.5 | 14.14 | 0.00 | 3.686 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 05:15:00 | 22 | 12500.0 | 1777.5 | 0.0 | -1777.5 | 14.22 | 0.00 | 3.686 | 1961.063439 |
| Nandurbar 132kV | 12/01/2020 05:30:00 | 23 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | -1.614 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 05:45:00 | 24 | 12500.0 | 1715.0 | 0.0 | -1715.0 | 13.72 | 0.00 | -0.496 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 06:00:00 | 25 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | 0.000 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 06:15:00 | 26 | 12500.0 | 1715.0 | 0.0 | -1715.0 | 13.72 | 0.00 | -0.430 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 06:30:00 | 27 | 12500.0 | 1725.0 | 0.0 | -1725.0 | 13.8 | 0.00 | -2.152 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 06:45:00 | 28 | 12500.0 | 1727.5 | 0.0 | -1727.5 | 13.82 | 0.00 | 4.681 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 07:00:00 | 29 | 12500.0 | 1712.5 | 0.0 | -1712.5 | 13.7 | 0.00 | 1.614 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 07:15:00 | 30 | 12500.0 | 1707.5 | 0.0 | -1707.5 | 13.66 | 0.00 | 3.838 | 1413.223377 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nandurbar 132kV | 12/01/2020 07:30:00 | 31 | 12500.0 | 1717.5 | 0.0 | -1717.5 | 13.74 | 0.00 | 3.022 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 07:45:00 | 32 | 12500.0 | 1677.5 | 0.0 | -1677.5 | 13.42 | 0.00 | 2.690 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 08:00:00 | 33 | 12500.0 | 1730.0 | 0.0 | -1730.0 | 13.84 | 0.00 | -2.690 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 08:15:00 | 34 | 12500.0 | 1747.5 | 0.0 | -1747.5 | 13.98 | 0.00 | -4.018 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 08:30:00 | 35 | 12500.0 | 1760.0 | 0.0 | -1760.0 | 14.08 | 0.00 | -2.690 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 08:45:00 | 36 | 12500.0 | 1767.5 | 0.0 | -1767.5 | 14.14 | 0.00 | 3.022 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 09:00:00 | 37 | 12500.0 | 1767.5 | 0.0 | -1767.5 | 14.14 | 0.00 | -3.354 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 09:15:00 | 38 | 12500.0 | 1707.5 | 0.0 | -1707.5 | 13.66 | 0.00 | -4.350 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 09:30:00 | 39 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | 2.152 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 09:45:00 | 40 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | -2.690 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 10:00:00 | 41 | 12500.0 | 1725.0 | 0.0 | -1725.0 | 13.8 | 0.00 | -3.354 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 10:15:00 | 42 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | -3.686 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 10:30:00 | 43 | 12500.0 | 1672.5 | 0.0 | -1672.5 | 13.38 | 0.00 | -1.614 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 10:45:00 | 44 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | 3.686 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 11:00:00 | 45 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | -3.354 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 11:15:00 | 46 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | -5.450 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 11:30:00 | 47 | 12500.0 | 1627.5 | 0.0 | -1627.5 | 13.02 | 0.00 | -6.009 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 11:45:00 | 48 | 12500.0 | 1640.0 | 0.0 | -1640.0 | 13.12 | 0.00 | 2.690 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 12:00:00 | 49 | 12500.0 | 1652.5 | 0.0 | -1652.5 | 13.22 | 0.00 | 3.686 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 12:15:00 | 50 | 12500.0 | 1637.5 | 0.0 | -1637.5 | 13.1 | 0.00 | -5.345 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 12:30:00 | 51 | 12500.0 | 1632.5 | 0.0 | -1632.5 | 13.06 | 0.00 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nandurbar 132kV | 12/01/2020 12:45:00 | 52 | 12500.0 | 1642.5 | 0.0 | -1642.5 | 13.14 | 0.00 | -5.345 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 13:00:00 | 53 | 12500.0 | 1602.5 | 0.0 | -1602.5 | 12.82 | 0.00 | -3.999 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 13:15:00 | 54 | 12500.0 | 1655.0 | 0.0 | -1655.0 | 13.24 | 0.00 | -4.350 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 13:30:00 | 55 | 12500.0 | 1672.5 | 0.0 | -1672.5 | 13.38 | 0.00 | -1.076 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 13:45:00 | 56 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | -2.690 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 14:00:00 | 57 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | -0.538 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 14:15:00 | 58 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | -2.152 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 14:30:00 | 59 | 12500.0 | 1707.5 | 0.0 | -1707.5 | 13.66 | 0.00 | -2.690 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 14:45:00 | 60 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | -1.076 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 15:00:00 | 61 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | 0.000 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 15:15:00 | 62 | 12500.0 | 1715.0 | 0.0 | -1715.0 | 13.72 | 0.00 | -2.690 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 15:30:00 | 63 | 12500.0 | 1727.5 | 0.0 | -1727.5 | 13.82 | 0.00 | -3.022 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 15:45:00 | 64 | 12500.0 | 1712.5 | 0.0 | -1712.5 | 13.7 | 0.00 | -3.686 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 16:00:00 | 65 | 12500.0 | 1707.5 | 0.0 | -1707.5 | 13.66 | 0.00 | -3.737 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 16:15:00 | 66 | 12500.0 | 1717.5 | 0.0 | -1717.5 | 13.74 | 0.00 | -5.786 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 16:30:00 | 67 | 12500.0 | 1677.5 | 0.0 | -1677.5 | 13.42 | 0.00 | -4.350 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 16:45:00 | 68 | 12500.0 | 1730.0 | 0.0 | -1730.0 | 13.84 | 0.00 | -1.614 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 17:00:00 | 69 | 12500.0 | 1747.5 | 0.0 | -1747.5 | 13.98 | 0.00 | 0.000 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 17:15:00 | 70 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | 2.690 | 441.379520 |
| Nandurbar 132kV | 12/01/2020 17:30:00 | 71 | 12500.0 | 1707.5 | 0.0 | -1707.5 | 13.66 | 0.00 | -3.022 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 17:45:00 | 72 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nandurbar 132kV | 12/01/2020 18:00:00 | 73 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | -0.538 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 18:15:00 | 74 | 12500.0 | 1725.0 | 0.0 | -1725.0 | 13.8 | 0.00 | -4.350 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 18:30:00 | 75 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | 2.690 | 295.780061 |
| Nandurbar 132kV | 12/01/2020 18:45:00 | 76 | 12500.0 | 1672.5 | 0.0 | -1672.5 | 13.38 | 0.00 | 3.022 | 1852.906291 |
| Nandurbar 132kV | 12/01/2020 19:00:00 | 77 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | 3.686 | 599.619051 |
| Nandurbar 132kV | 12/01/2020 19:15:00 | 78 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | 2.690 | 35.750770 |
| Nandurbar 132kV | 12/01/2020 19:30:00 | 79 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | -3.022 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 19:45:00 | 80 | 12500.0 | 1627.5 | 0.0 | -1627.5 | 13.02 | 0.00 | -1.781 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 20:00:00 | 81 | 12500.0 | 1640.0 | 0.0 | -1640.0 | 13.12 | 0.00 | -3.021 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 20:15:00 | 82 | 12500.0 | 1652.5 | 0.0 | -1652.5 | 13.22 | 0.00 | -4.018 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 20:30:00 | 83 | 12500.0 | 1637.5 | 0.0 | -1637.5 | 13.1 | 0.00 | -3.354 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 20:45:00 | 84 | 12500.0 | 1632.5 | 0.0 | -1632.5 | 13.06 | 0.00 | -1.614 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 21:00:00 | 85 | 12500.0 | 1642.5 | 0.0 | -1642.5 | 13.14 | 0.00 | -4.350 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 21:15:00 | 86 | 12500.0 | 1602.5 | 0.0 | -1602.5 | 12.82 | 0.00 | -3.686 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 21:30:00 | 87 | 12500.0 | 1655.0 | 0.0 | -1655.0 | 13.24 | 0.00 | -1.614 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 21:45:00 | 88 | 12500.0 | 1672.5 | 0.0 | -1672.5 | 13.38 | 0.00 | 0.000 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 22:00:00 | 89 | 12500.0 | 1685.0 | 0.0 | -1685.0 | 13.48 | 0.00 | -3.354 | 0.000000 |
| Nandurbar 132kV | 12/01/2020 22:15:00 | 90 | 12500.0 | 1692.5 | 0.0 | -1692.5 | 13.54 | 0.00 | 4.350 | 2066.459253 |
| Nandurbar 132kV | 12/01/2020 22:30:00 | 91 | 12500.0 | 1702.5 | 0.0 | -1702.5 | 13.62 | 0.00 | 5.215 | 3920.238918 |
| Nandurbar 132kV | 12/01/2020 22:45:00 | 92 | 12500.0 | 1707.5 | 0.0 | -1707.5 | 13.66 | 0.00 | 3.022 | 384.887016 |
| Nandurbar 132kV | 12/01/2020 23:00:00 | 93 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | 3.022 | 849.202824 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nandurbar 132kV | 12/01/2020 23:15:00 | 94 | 12500.0 | 1720.0 | 0.0 | -1720.0 | 13.76 | 0.00 | 2.152 | 845.565114 |
| Nandurbar 132kV | 12/01/2020 23:30:00 | 95 | 12500.0 | 1795.0 | 0.0 | -1795.0 | 14.36 | 0.00 | 2.152 | 507.803808 |
| Nandurbar 132kV | 12/01/2020 23:45:00 | 96 | 12500.0 | 1795.0 | 0.0 | -1795.0 | 14.36 | 0.00 | 2.152 | 583.462288 |
| Nerle 220kV | 06/01/2020 00:00:00 | 1 | 18000.0 | 7195.0 | 9437.5 | 2242.5 | 12.46 | 0.00 | 2.903 | 0.000000 |
| Nerle 220kV | 06/01/2020 00:15:00 | 2 | 18000.0 | 7112.5 | 10275.0 | 3162.5 | 17.57 | 231.25 | 0.000 | 0.000000 |
| Nerle 220kV | 06/01/2020 00:30:00 | 3 | 18000.0 | 7030.0 | 9200.0 | 2170.0 | 12.06 | 0.00 | 0.000 | 0.000000 |
| Nerle 220kV | 06/01/2020 00:45:00 | 4 | 18000.0 | 6972.5 | 8640.62 | 1668.12 | 9.27 | 0.00 | -0.984 | 0.000000 |
| Nerle 220kV | 06/01/2020 01:00:00 | 5 | 18000.0 | 6862.5 | 7543.75 | 681.25 | 3.78 | 0.00 | -3.541 | 0.000000 |
| Nerle 220kV | 06/01/2020 01:15:00 | 6 | 18000.0 | 6775.0 | 8684.38 | 1909.38 | 10.61 | 0.00 | 3.222 | 0.000000 |
| Nerle 220kV | 06/01/2020 01:30:00 | 7 | 18000.0 | 7195.0 | 8662.5 | 1467.5 | 8.15 | 0.00 | 3.541 | 0.000000 |
| Nerle 220kV | 06/01/2020 01:45:00 | 8 | 18000.0 | 7112.5 | 7287.5 | 175.0 | 0.97 | 0.00 | 2.352 | 0.000000 |
| Nerle 220kV | 06/01/2020 02:00:00 | 9 | 18000.0 | 7030.0 | 5293.75 | -1736.25 | 9.65 | 0.00 | 1.747 | 0.000000 |
| Nerle 220kV | 06/01/2020 02:15:00 | 10 | 18000.0 | 6972.5 | 4315.62 | -2656.88 | 14.76 | 0.00 | 0.581 | 0.000000 |
| Nerle 220kV | 06/01/2020 02:30:00 | 11 | 18000.0 | 6862.5 | 4834.38 | -2028.12 | 11.27 | 0.00 | -2.323 | 0.000000 |
| Nerle 220kV | 06/01/2020 02:45:00 | 12 | 18000.0 | 8695.0 | 6315.62 | -2379.38 | 13.22 | 0.00 | 2.323 | 0.000000 |
| Nerle 220kV | 06/01/2020 03:00:00 | 13 | 18000.0 | 8612.5 | 7162.5 | -1450.0 | 8.06 | 0.00 | 2.323 | 0.000000 |
| Nerle 220kV | 06/01/2020 03:15:00 | 14 | 18000.0 | 8530.0 | 7831.25 | -698.75 | 3.88 | 0.00 | -1.742 | 0.000000 |
| Nerle 220kV | 06/01/2020 03:30:00 | 15 | 18000.0 | 8472.5 | 8462.5 | -10.0 | 0.06 | 0.00 | 3.222 | 0.000000 |
| Nerle 220kV | 06/01/2020 03:45:00 | 16 | 18000.0 | 8362.5 | 8843.75 | 481.25 | 2.67 | 0.00 | 3.541 | 0.000000 |
| Nerle 220kV | 06/01/2020 04:00:00 | 17 | 18000.0 | 8275.0 | 9346.88 | 1071.88 | 5.95 | 0.00 | 4.496 | 0.000000 |
| Nerle 220kV | 06/01/2020 04:15:00 | 18 | 18000.0 | 8222.5 | 10046.88 | 1824.38 | 10.14 | 0.00 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nerle 220kV | 06/01/2020 04:30:00 | 19 | 18000.0 | 8695.0 | 10146.88 | 1451.88 | 8.07 | 0.00 | 3.859 | 0.000000 |
| Nerle 220kV | 06/01/2020 04:45:00 | 20 | 18000.0 | 8612.5 | 10803.12 | 2190.62 | 12.17 | 0.00 | 4.815 | 0.000000 |
| Nerle 220kV | 06/01/2020 05:00:00 | 21 | 18000.0 | 8530.0 | 10818.75 | 2288.75 | 12.72 | 0.00 | 3.859 | 0.000000 |
| Nerle 220kV | 06/01/2020 05:15:00 | 22 | 18000.0 | 8472.5 | 10275.0 | 1802.5 | 10.01 | 0.00 | 6.407 | 0.000000 |
| Nerle 220kV | 06/01/2020 05:30:00 | 23 | 18000.0 | 8362.5 | 10256.25 | 1893.75 | 10.52 | 0.00 | 6.496 | 0.000000 |
| Nerle 220kV | 06/01/2020 05:45:00 | 24 | 18000.0 | 8775.0 | 10606.25 | 1831.25 | 10.17 | 0.00 | 7.492 | 0.000000 |
| Nerle 220kV | 06/01/2020 06:00:00 | 25 | 18000.0 | 8812.5 | 10362.5 | 1550.0 | 8.61 | 0.00 | -5.452 | 0.000000 |
| Nerle 220kV | 06/01/2020 06:15:00 | 26 | 18000.0 | 8912.5 | 10084.38 | 1171.88 | 6.51 | 0.00 | -6.089 | 0.000000 |
| Nerle 220kV | 06/01/2020 06:30:00 | 27 | 18000.0 | 8862.5 | 10065.62 | 1203.12 | 6.68 | 0.00 | -7.044 | 0.000000 |
| Nerle 220kV | 06/01/2020 06:45:00 | 28 | 18000.0 | 8805.0 | 10012.5 | 1207.5 | 6.71 | 0.00 | 7.682 | 0.000000 |
| Nerle 220kV | 06/01/2020 07:00:00 | 29 | 18000.0 | 8812.5 | 9450.0 | 637.5 | 3.54 | 0.00 | -3.859 | 0.000000 |
| Nerle 220kV | 06/01/2020 07:15:00 | 30 | 18000.0 | 8912.5 | 9121.88 | 209.38 | 1.16 | 0.00 | 4.815 | 0.000000 |
| Nerle 220kV | 06/01/2020 07:30:00 | 31 | 18000.0 | 8787.5 | 8878.12 | 90.62 | 0.5 | 0.00 | 4.178 | 0.000000 |
| Nerle 220kV | 06/01/2020 07:45:00 | 32 | 18000.0 | 8812.5 | 8293.75 | -518.75 | 2.88 | 0.00 | -3.540 | 0.000000 |
| Nerle 220kV | 06/01/2020 08:00:00 | 33 | 18000.0 | 8775.0 | 7909.38 | -865.62 | 4.81 | 0.00 | -3.859 | 0.000000 |
| Nerle 220kV | 06/01/2020 08:15:00 | 34 | 18000.0 | 8812.5 | 7290.62 | -1521.88 | 8.45 | 0.00 | -5.452 | 0.000000 |
| Nerle 220kV | 06/01/2020 08:30:00 | 35 | 18000.0 | 8912.5 | 7443.75 | -1468.75 | 8.16 | 0.00 | 4.178 | 0.000000 |
| Nerle 220kV | 06/01/2020 08:45:00 | 36 | 18000.0 | 8862.5 | 7640.62 | -1221.88 | 6.79 | 0.00 | -3.859 | 0.000000 |
| Nerle 220kV | 06/01/2020 09:00:00 | 37 | 18000.0 | 8805.0 | 7731.25 | -1073.75 | 5.97 | 0.00 | -6.407 | 0.000000 |
| Nerle 220kV | 06/01/2020 09:15:00 | 38 | 18000.0 | 8812.5 | 8109.38 | -703.12 | 3.91 | 0.00 | -8.000 | 0.000000 |
| Nerle 220kV | 06/01/2020 09:30:00 | 39 | 18000.0 | 7112.5 | 8243.75 | 1131.25 | 6.28 | 0.00 | -5.770 | -77.865686 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nerle 220kV | 06/01/2020 09:45:00 | 40 | 18000.0 | 6612.5 | 8209.38 | 1596.88 | 8.87 | 0.00 | 3.222 | 0.000000 |
| Nerle 220kV | 06/01/2020 10:00:00 | 41 | 18000.0 | 6112.5 | 8768.75 | 2656.25 | 14.76 | 0.00 | -2.903 | -362.438193 |
| Nerle 220kV | 06/01/2020 10:15:00 | 42 | 18000.0 | 5885.0 | 8321.88 | 2436.88 | 13.54 | 0.00 | -3.222 | -68.529209 |
| Nerle 220kV | 06/01/2020 10:30:00 | 43 | 18000.0 | 5612.5 | 7712.5 | 2100.0 | 11.67 | 0.00 | 4.815 | 0.000000 |
| Nerle 220kV | 06/01/2020 10:45:00 | 44 | 18000.0 | 5362.5 | 8546.88 | 3184.38 | 17.69 | 242.19 | 4.496 | 0.000000 |
| Nerle 220kV | 06/01/2020 11:00:00 | 45 | 18000.0 | 5112.5 | 6903.12 | 1790.62 | 9.95 | 0.00 | 16.000 | 0.000000 |
| Nerle 220kV | 06/01/2020 11:15:00 | 46 | 18000.0 | 4995.0 | 6100.0 | 1105.0 | 6.14 | 0.00 | 5.133 | 0.000000 |
| Nerle 220kV | 06/01/2020 11:30:00 | 47 | 18000.0 | 7612.5 | 7334.38 | -278.12 | 1.55 | 0.00 | 1.182 | 0.000000 |
| Nerle 220kV | 06/01/2020 11:45:00 | 48 | 18000.0 | 7530.0 | 6765.62 | -764.38 | 4.25 | 0.00 | 6.308 | 0.000000 |
| Nerle 220kV | 06/01/2020 12:00:00 | 49 | 18000.0 | 7440.0 | 6068.75 | -1371.25 | 7.62 | 0.00 | 6.598 | 0.000000 |
| Nerle 220kV | 06/01/2020 12:15:00 | 50 | 18000.0 | 7227.5 | 6703.12 | -524.38 | 2.91 | 0.00 | 5.431 | 0.000000 |
| Nerle 220kV | 06/01/2020 12:30:00 | 51 | 18000.0 | 6807.5 | 7084.38 | 276.88 | 1.54 | 0.00 | 3.540 | 0.000000 |
| Nerle 220kV | 06/01/2020 12:45:00 | 52 | 18000.0 | 6402.5 | 5465.62 | -936.88 | 5.2 | 0.00 | -2.903 | 0.000000 |
| Nerle 220kV | 06/01/2020 13:00:00 | 53 | 18000.0 | 5952.5 | 3900.0 | -2052.5 | 11.4 | 0.00 | -1.161 | 0.000000 |
| Nerle 220kV | 06/01/2020 13:15:00 | 54 | 18000.0 | 5432.5 | 3400.0 | -2032.5 | 11.29 | 0.00 | 3.859 | 0.000000 |
| Nerle 220kV | 06/01/2020 13:30:00 | 55 | 18000.0 | 4362.5 | 3250.0 | -1112.5 | 6.18 | 0.00 | -6.407 | 0.000000 |
| Nerle 220kV | 06/01/2020 13:45:00 | 56 | 18000.0 | 3945.0 | 2690.62 | -1254.38 | 6.97 | 0.00 | 5.452 | 0.000000 |
| Nerle 220kV | 06/01/2020 14:00:00 | 57 | 18000.0 | 3745.0 | 2215.62 | -1529.38 | 8.5 | 0.00 | 5.452 | 0.000000 |
| Nerle 220kV | 06/01/2020 14:15:00 | 58 | 18000.0 | 3585.0 | 2218.75 | -1366.25 | 7.59 | 0.00 | 16.000 | 0.000000 |
| Nerle 220kV | 06/01/2020 14:30:00 | 59 | 18000.0 | 3395.0 | 1825.0 | -1570.0 | 8.72 | 0.00 | 6.035 | 0.000000 |
| Nerle 220kV | 06/01/2020 14:45:00 | 60 | 18000.0 | 3142.5 | 1562.5 | -1580.0 | 8.78 | 0.00 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nerle 220kV | 06/01/2020 15:00:00 | 61 | 18000.0 | 2937.5 | 1409.38 | -1528.12 | 8.49 | 0.00 | 3.367 | 0.000000 |
| Nerle 220kV | 06/01/2020 15:15:00 | 62 | 18000.0 | 2697.5 | 1253.12 | -1444.38 | 8.02 | 0.00 | 3.904 | 0.000000 |
| Nerle 220kV | 06/01/2020 15:30:00 | 63 | 18000.0 | 2447.5 | 1012.5 | -1435.0 | 7.97 | 0.00 | 4.482 | 0.000000 |
| Nerle 220kV | 06/01/2020 15:45:00 | 64 | 18000.0 | 2220.0 | 1315.62 | -904.38 | 5.02 | 0.00 | 4.225 | 0.000000 |
| Nerle 220kV | 06/01/2020 16:00:00 | 65 | 18000.0 | 2160.0 | 1325.0 | -835.0 | 4.64 | 0.00 | 2.895 | 0.000000 |
| Nerle 220kV | 06/01/2020 16:15:00 | 66 | 18000.0 | 2062.5 | 1162.5 | -900.0 | 5.0 | 0.00 | 6.089 | 0.000000 |
| Nerle 220kV | 06/01/2020 16:30:00 | 67 | 18000.0 | 2137.5 | 1175.0 | -962.5 | 5.35 | 0.00 | -8.000 | 0.000000 |
| Nerle 220kV | 06/01/2020 16:45:00 | 68 | 18000.0 | 2292.5 | 884.38 | -1408.12 | 7.82 | 0.00 | -4.178 | 0.000000 |
| Nerle 220kV | 06/01/2020 17:00:00 | 69 | 18000.0 | 2300.0 | 740.62 | -1559.38 | 8.66 | 0.00 | 1.742 | 0.000000 |
| Nerle 220kV | 06/01/2020 17:15:00 | 70 | 18000.0 | 2352.5 | 618.75 | -1733.75 | 9.63 | 0.00 | 2.903 | 0.000000 |
| Nerle 220kV | 06/01/2020 17:30:00 | 71 | 18000.0 | 2290.0 | 490.62 | -1799.38 | 10.0 | 0.00 | -4.178 | 0.000000 |
| Nerle 220kV | 06/01/2020 17:45:00 | 72 | 18000.0 | 2297.5 | 743.75 | -1553.75 | 8.63 | 0.00 | -2.323 | 0.000000 |
| Nerle 220kV | 06/01/2020 18:00:00 | 73 | 18000.0 | 2292.5 | 978.12 | -1314.38 | 7.3 | 0.00 | -2.903 | 0.000000 |
| Nerle 220kV | 06/01/2020 18:15:00 | 74 | 18000.0 | 2295.0 | 1143.75 | -1151.25 | 6.4 | 0.00 | 1.161 | 299.393487 |
| Nerle 220kV | 06/01/2020 18:30:00 | 75 | 18000.0 | 2292.5 | 1181.25 | -1111.25 | 6.17 | 0.00 | 2.903 | 946.489011 |
| Nerle 220kV | 06/01/2020 18:45:00 | 76 | 18000.0 | 2065.0 | 1171.88 | -893.12 | 4.96 | 0.00 | 2.903 | 18.008176 |
| Nerle 220kV | 06/01/2020 19:00:00 | 77 | 18000.0 | 2262.5 | 968.75 | -1293.75 | 7.19 | 0.00 | -1.161 | 0.000000 |
| Nerle 220kV | 06/01/2020 19:15:00 | 78 | 18000.0 | 2210.0 | 478.12 | -1731.88 | 9.62 | 0.00 | -4.178 | 0.000000 |
| Nerle 220kV | 06/01/2020 19:30:00 | 79 | 18000.0 | 2172.5 | 406.25 | -1766.25 | 9.81 | 0.00 | -2.323 | 0.000000 |
| Nerle 220kV | 06/01/2020 19:45:00 | 80 | 18000.0 | 2142.5 | 500.0 | -1642.5 | 9.12 | 0.00 | -4.178 | 0.000000 |
| Nerle 220kV | 06/01/2020 20:00:00 | 81 | 18000.0 | 2092.5 | 462.5 | -1630.0 | 9.06 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nerle 220kV | 06/01/2020 20:15:00 | 82 | 18000.0 | 2057.5 | 375.0 | -1682.5 | 9.35 | 0.00 | -5.770 | 0.000000 |
| Nerle 220kV | 06/01/2020 20:30:00 | 83 | 18000.0 | 2352.5 | 237.5 | -2115.0 | 11.75 | 0.00 | 5.770 | 288.175472 |
| Nerle 220kV | 06/01/2020 20:45:00 | 84 | 18000.0 | 2290.0 | 215.62 | -2074.38 | 11.52 | 0.00 | 4.178 | 857.866781 |
| Nerle 220kV | 06/01/2020 21:00:00 | 85 | 18000.0 | 2297.5 | 90.62 | -2206.88 | 12.26 | 0.00 | 3.222 | 482.815572 |
| Nerle 220kV | 06/01/2020 21:15:00 | 86 | 18000.0 | 2292.5 | 31.25 | -2261.25 | 12.56 | 0.00 | -1.742 | 0.000000 |
| Nerle 220kV | 06/01/2020 21:30:00 | 87 | 18000.0 | 2062.5 | 53.12 | -2009.38 | 11.16 | 0.00 | 0.000 | 0.000000 |
| Nerle 220kV | 06/01/2020 21:45:00 | 88 | 18000.0 | 2127.5 | 75.0 | -2052.5 | 11.4 | 0.00 | 1.161 | 0.000000 |
| Nerle 220kV | 06/01/2020 22:00:00 | 89 | 18000.0 | 2257.5 | 34.38 | -2223.12 | 12.35 | 0.00 | 4.815 | 1301.696973 |
| Nerle 220kV | 06/01/2020 22:15:00 | 90 | 18000.0 | 2052.5 | 71.88 | -1980.62 | 11.0 | 0.00 | 3.859 | 1196.494596 |
| Nerle 220kV | 06/01/2020 22:30:00 | 91 | 18000.0 | 2127.5 | 78.12 | -2049.38 | 11.39 | 0.00 | 1.742 | 0.000000 |
| Nerle 220kV | 06/01/2020 22:45:00 | 92 | 18000.0 | 2197.5 | 140.62 | -2056.88 | 11.43 | 0.00 | -2.323 | 0.000000 |
| Nerle 220kV | 06/01/2020 23:00:00 | 93 | 18000.0 | 2077.5 | 168.75 | -1908.75 | 10.6 | 0.00 | -2.903 | 0.000000 |
| Nerle 220kV | 06/01/2020 23:15:00 | 94 | 18000.0 | 2095.0 | 134.38 | -1960.62 | 10.89 | 0.00 | 2.323 | 0.000000 |
| Nerle 220kV | 06/01/2020 23:30:00 | 95 | 18000.0 | 2090.0 | 165.62 | -1924.38 | 10.69 | 0.00 | -3.222 | 0.000000 |
| Nerle 220kV | 06/01/2020 23:45:00 | 96 | 18000.0 | 2165.0 | 143.75 | -2021.25 | 11.23 | 0.00 | 2.323 | 0.000000 |
| Nerle 220kV | 07/01/2020 00:00:00 | 1 | 18000.0 | 2062.5 | 128.12 | -1934.38 | 10.75 | 0.00 | -0.549 | 0.000000 |
| Nerle 220kV | 07/01/2020 00:15:00 | 2 | 18000.0 | 2127.5 | 209.38 | -1918.12 | 10.66 | 0.00 | -1.647 | 0.000000 |
| Nerle 220kV | 07/01/2020 00:30:00 | 3 | 18000.0 | 2062.5 | 475.0 | -1587.5 | 8.82 | 0.00 | -3.073 | 0.000000 |
| Nerle 220kV | 07/01/2020 00:45:00 | 4 | 18000.0 | 2052.5 | 800.0 | -1252.5 | 6.96 | 0.00 | -2.744 | 0.000000 |
| Nerle 220kV | 07/01/2020 01:00:00 | 5 | 18000.0 | 2127.5 | 1181.25 | -946.25 | 5.26 | 0.00 | -4.058 | 0.000000 |
| Nerle 220kV | 07/01/2020 01:15:00 | 6 | 18000.0 | 2197.5 | 1837.5 | -360.0 | 2.0 | 0.00 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nerle 220kV | 07/01/2020 01:30:00 | 7 | 18000.0 | 2077.5 | 2250.0 | 172.5 | 0.96 | 0.00 | -3.401 | 0.000000 |
| Nerle 220kV | 07/01/2020 01:45:00 | 8 | 18000.0 | 2095.0 | 2528.12 | 433.12 | 2.41 | 0.00 | 3.730 | 0.000000 |
| Nerle 220kV | 07/01/2020 02:00:00 | 9 | 18000.0 | 2090.0 | 2475.0 | 385.0 | 2.14 | 0.00 | 3.073 | 0.000000 |
| Nerle 220kV | 07/01/2020 02:15:00 | 10 | 18000.0 | 2165.0 | 2040.62 | -124.38 | 0.69 | 0.00 | 3.073 | 12.108350 |
| Nerle 220kV | 07/01/2020 02:30:00 | 11 | 18000.0 | 2122.5 | 1903.12 | -219.38 | 1.22 | 0.00 | 3.401 | 29.871227 |
| Nerle 220kV | 07/01/2020 02:45:00 | 12 | 18000.0 | 2167.5 | 2100.0 | -67.5 | 0.38 | 0.00 | 2.745 | 9.166924 |
| Nerle 220kV | 07/01/2020 03:00:00 | 13 | 18000.0 | 2062.5 | 2425.0 | 362.5 | 2.01 | 0.00 | 1.647 | 0.000000 |
| Nerle 220kV | 07/01/2020 03:15:00 | 14 | 18000.0 | 2127.5 | 2278.12 | 150.62 | 0.84 | 0.00 | 2.196 | 0.000000 |
| Nerle 220kV | 07/01/2020 03:30:00 | 15 | 18000.0 | 2062.5 | 2981.25 | 918.75 | 5.1 | 0.00 | 1.647 | 0.000000 |
| Nerle 220kV | 07/01/2020 03:45:00 | 16 | 18000.0 | 2052.5 | 3503.12 | 1450.62 | 8.06 | 0.00 | 1.098 | 0.000000 |
| Nerle 220kV | 07/01/2020 04:00:00 | 17 | 18000.0 | 2127.5 | 3609.38 | 1481.88 | 8.23 | 0.00 | 1.647 | 0.000000 |
| Nerle 220kV | 07/01/2020 04:15:00 | 18 | 18000.0 | 2197.5 | 4028.12 | 1830.62 | 10.17 | 0.00 | 2.210 | 0.000000 |
| Nerle 220kV | 07/01/2020 04:30:00 | 19 | 18000.0 | 2077.5 | 3921.88 | 1844.38 | 10.25 | 0.00 | 3.730 | 0.000000 |
| Nerle 220kV | 07/01/2020 04:45:00 | 20 | 18000.0 | 2095.0 | 4600.0 | 2505.0 | 13.92 | 0.00 | -1.098 | 0.000000 |
| Nerle 220kV | 07/01/2020 05:00:00 | 21 | 18000.0 | 2090.0 | 4868.75 | 2778.75 | 15.44 | 39.38 | -2.744 | 0.000000 |
| Nerle 220kV | 07/01/2020 05:15:00 | 22 | 18000.0 | 2165.0 | 4931.25 | 2766.25 | 15.37 | 33.13 | 3.730 | 0.000000 |
| Nerle 220kV | 07/01/2020 05:30:00 | 23 | 18000.0 | 2122.5 | 4443.75 | 2321.25 | 12.9 | 0.00 | 3.073 | 0.000000 |
| Nerle 220kV | 07/01/2020 05:45:00 | 24 | 18000.0 | 2167.5 | 4050.0 | 1882.5 | 10.46 | 0.00 | 3.730 | 0.000000 |
| Nerle 220kV | 07/01/2020 06:00:00 | 25 | 18000.0 | 3612.5 | 4656.25 | 1043.75 | 5.8 | 0.00 | -5.372 | 0.000000 |
| Nerle 220kV | 07/01/2020 06:15:00 | 26 | 18000.0 | 3505.0 | 4546.88 | 1041.88 | 5.79 | 0.00 | 4.556 | 0.000000 |
| Nerle 220kV | 07/01/2020 06:30:00 | 27 | 18000.0 | 3472.5 | 4443.75 | 971.25 | 5.4 | 0.00 | 7.148 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nerle 220kV | 07/01/2020 06:45:00 | 28 | 18000.0 | 3362.5 | 4443.75 | 1081.25 | 6.01 | 0.00 | 7.821 | 0.000000 |
| Nerle 220kV | 07/01/2020 07:00:00 | 29 | 18000.0 | 3280.0 | 5581.25 | 2301.25 | 12.78 | 0.00 | 5.372 | 0.000000 |
| Nerle 220kV | 07/01/2020 07:15:00 | 30 | 18000.0 | 3612.5 | 6053.12 | 2440.62 | 13.56 | 0.00 | 16.000 | 0.000000 |
| Nerle 220kV | 07/01/2020 07:30:00 | 31 | 18000.0 | 3505.0 | 5696.88 | 2191.88 | 12.18 | 0.00 | 9.296 | 0.000000 |
| Nerle 220kV | 07/01/2020 07:45:00 | 32 | 18000.0 | 3472.5 | 5434.38 | 1961.88 | 10.9 | 0.00 | 9.794 | 0.000000 |
| Nerle 220kV | 07/01/2020 08:00:00 | 33 | 18000.0 | 3362.5 | 4696.88 | 1334.38 | 7.41 | 0.00 | 3.593 | 0.000000 |
| Nerle 220kV | 07/01/2020 08:15:00 | 34 | 18000.0 | 3280.0 | 4790.62 | 1510.62 | 8.39 | 0.00 | 3.401 | 0.000000 |
| Nerle 220kV | 07/01/2020 08:30:00 | 35 | 18000.0 | 3222.5 | 4665.62 | 1443.12 | 8.02 | 0.00 | 3.245 | 0.000000 |
| Nerle 220kV | 07/01/2020 08:45:00 | 36 | 18000.0 | 3112.5 | 4490.62 | 1378.12 | 7.66 | 0.00 | 0.000 | 0.000000 |
| Nerle 220kV | 07/01/2020 09:00:00 | 37 | 18000.0 | 5535.0 | 3968.75 | -1566.25 | 8.7 | 0.00 | 2.745 | 0.000000 |
| Nerle 220kV | 07/01/2020 09:15:00 | 38 | 18000.0 | 5282.5 | 2434.38 | -2848.12 | 15.82 | 74.06 | 4.715 | 0.000000 |
| Nerle 220kV | 07/01/2020 09:30:00 | 39 | 18000.0 | 4830.0 | 2368.75 | -2461.25 | 13.67 | 0.00 | 3.981 | 0.000000 |
| Nerle 220kV | 07/01/2020 09:45:00 | 40 | 18000.0 | 4560.0 | 1681.25 | -2878.75 | 15.99 | 89.38 | 3.730 | 0.000000 |
| Nerle 220kV | 07/01/2020 10:00:00 | 41 | 18000.0 | 4305.0 | 1646.88 | -2658.12 | 14.77 | 0.00 | 1.780 | 0.000000 |
| Nerle 220kV | 07/01/2020 10:15:00 | 42 | 18000.0 | 3810.0 | 1434.38 | -2375.62 | 13.2 | 0.00 | 5.643 | 0.000000 |
| Nerle 220kV | 07/01/2020 10:30:00 | 43 | 18000.0 | 3302.5 | 1487.5 | -1815.0 | 10.08 | 0.00 | 4.976 | 0.000000 |
| Nerle 220kV | 07/01/2020 10:45:00 | 44 | 18000.0 | 3027.5 | 943.75 | -2083.75 | 11.58 | 0.00 | 4.415 | 0.000000 |
| Nerle 220kV | 07/01/2020 11:00:00 | 45 | 18000.0 | 2780.0 | 496.88 | -2283.12 | 12.68 | 0.00 | 4.476 | 0.000000 |
| Nerle 220kV | 07/01/2020 11:15:00 | 46 | 18000.0 | 2527.5 | 459.38 | -2068.12 | 11.49 | 0.00 | 4.826 | 0.000000 |
| Nerle 220kV | 07/01/2020 11:30:00 | 47 | 18000.0 | 2530.0 | 556.25 | -1973.75 | 10.97 | 0.00 | 2.289 | 0.000000 |
| Nerle 220kV | 07/01/2020 11:45:00 | 48 | 18000.0 | 2555.0 | 412.5 | -2142.5 | 11.9 | 0.00 | -0.549 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nerle 220kV | 07/01/2020 12:00:00 | 49 | 18000.0 | 2487.5 | 356.25 | -2131.25 | 11.84 | 0.00 | 4.727 | 0.000000 |
| Nerle 220kV | 07/01/2020 12:15:00 | 50 | 18000.0 | 2552.5 | 146.88 | -2405.62 | 13.36 | 0.00 | 4.777 | 0.000000 |
| Nerle 220kV | 07/01/2020 12:30:00 | 51 | 18000.0 | 2487.5 | 75.0 | -2412.5 | 13.4 | 0.00 | 4.798 | 0.000000 |
| Nerle 220kV | 07/01/2020 12:45:00 | 52 | 18000.0 | 2477.5 | 34.38 | -2443.12 | 13.57 | 0.00 | -3.401 | 0.000000 |
| Nerle 220kV | 07/01/2020 13:00:00 | 53 | 18000.0 | 2552.5 | 34.38 | -2518.12 | 13.99 | 0.00 | -2.431 | 0.000000 |
| Nerle 220kV | 07/01/2020 13:15:00 | 54 | 18000.0 | 2622.5 | 56.25 | -2566.25 | 14.26 | 0.00 | -4.387 | 0.000000 |
| Nerle 220kV | 07/01/2020 13:30:00 | 55 | 18000.0 | 2502.5 | 50.0 | -2452.5 | 13.63 | 0.00 | -3.401 | 0.000000 |
| Nerle 220kV | 07/01/2020 13:45:00 | 56 | 18000.0 | 2520.0 | 40.62 | -2479.38 | 13.77 | 0.00 | -5.044 | 0.000000 |
| Nerle 220kV | 07/01/2020 14:00:00 | 57 | 18000.0 | 2515.0 | 21.88 | -2493.12 | 13.85 | 0.00 | 4.215 | 0.000000 |
| Nerle 220kV | 07/01/2020 14:15:00 | 58 | 18000.0 | 2590.0 | 0.0 | -2590.0 | 14.39 | 0.00 | 9.552 | 0.000000 |
| Nerle 220kV | 07/01/2020 14:30:00 | 59 | 18000.0 | 2547.5 | 68.75 | -2478.75 | 13.77 | 0.00 | 6.358 | 0.000000 |
| Nerle 220kV | 07/01/2020 14:45:00 | 60 | 18000.0 | 2592.5 | 12.5 | -2580.0 | 14.33 | 0.00 | 2.744 | 0.000000 |
| Nerle 220kV | 07/01/2020 15:00:00 | 61 | 18000.0 | 2487.5 | 25.0 | -2462.5 | 13.68 | 0.00 | -3.073 | 0.000000 |
| Nerle 220kV | 07/01/2020 15:15:00 | 62 | 18000.0 | 2552.5 | 56.25 | -2496.25 | 13.87 | 0.00 | -4.058 | 0.000000 |
| Nerle 220kV | 07/01/2020 15:30:00 | 63 | 18000.0 | 2487.5 | 56.25 | -2431.25 | 13.51 | 0.00 | -4.831 | 0.000000 |
| Nerle 220kV | 07/01/2020 15:45:00 | 64 | 18000.0 | 2477.5 | 56.25 | -2421.25 | 13.45 | 0.00 | -5.372 | 0.000000 |
| Nerle 220kV | 07/01/2020 16:00:00 | 65 | 18000.0 | 2552.5 | 128.12 | -2424.38 | 13.47 | 0.00 | 2.196 | 0.000000 |
| Nerle 220kV | 07/01/2020 16:15:00 | 66 | 18000.0 | 2622.5 | 187.5 | -2435.0 | 13.53 | 0.00 | -3.401 | 0.000000 |
| Nerle 220kV | 07/01/2020 16:30:00 | 67 | 18000.0 | 2502.5 | 678.12 | -1824.38 | 10.14 | 0.00 | 4.738 | 0.000000 |
| Nerle 220kV | 07/01/2020 16:45:00 | 68 | 18000.0 | 2520.0 | 856.25 | -1663.75 | 9.24 | 0.00 | 7.343 | 0.000000 |
| Nerle 220kV | 07/01/2020 17:00:00 | 69 | 18000.0 | 2515.0 | 934.38 | -1580.62 | 8.78 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nerle 220kV | 07/01/2020 17:15:00 | 70 | 18000.0 | 2590.0 | 1362.5 | -1227.5 | 6.82 | 0.00 | 2.744 | 204.189870 |
| Nerle 220kV | 07/01/2020 17:30:00 | 71 | 18000.0 | 2547.5 | 1815.62 | -731.88 | 4.07 | 0.00 | 3.401 | 48.325620 |
| Nerle 220kV | 07/01/2020 17:45:00 | 72 | 18000.0 | 2592.5 | 2259.38 | -333.12 | 1.85 | 0.00 | -2.745 | 0.000000 |
| Nerle 220kV | 07/01/2020 18:00:00 | 73 | 18000.0 | 2635.0 | 2115.62 | -519.38 | 2.89 | 0.00 | -3.073 | 0.000000 |
| Nerle 220kV | 07/01/2020 18:15:00 | 74 | 18000.0 | 2597.5 | 2528.12 | -69.38 | 0.39 | 0.00 | -5.372 | 0.000000 |
| Nerle 220kV | 07/01/2020 18:30:00 | 75 | 18000.0 | 2567.5 | 2090.62 | -476.88 | 2.65 | 0.00 | 3.401 | 0.000000 |
| Nerle 220kV | 07/01/2020 18:45:00 | 76 | 18000.0 | 2517.5 | 2028.12 | -489.38 | 2.72 | 0.00 | -3.401 | 0.000000 |
| Nerle 220kV | 07/01/2020 19:00:00 | 77 | 18000.0 | 2687.5 | 1584.38 | -1103.12 | 6.13 | 0.00 | -3.730 | 0.000000 |
| Nerle 220kV | 07/01/2020 19:15:00 | 78 | 18000.0 | 2635.0 | 1115.62 | -1519.38 | 8.44 | 0.00 | -4.715 | 0.000000 |
| Nerle 220kV | 07/01/2020 19:30:00 | 79 | 18000.0 | 2597.5 | 1021.88 | -1575.62 | 8.75 | 0.00 | -4.058 | 0.000000 |
| Nerle 220kV | 07/01/2020 19:45:00 | 80 | 18000.0 | 2567.5 | 981.25 | -1586.25 | 8.81 | 0.00 | -2.210 | 0.000000 |
| Nerle 220kV | 07/01/2020 20:00:00 | 81 | 18000.0 | 2517.5 | 806.25 | -1711.25 | 9.51 | 0.00 | -2.348 | 0.000000 |
| Nerle 220kV | 07/01/2020 20:15:00 | 82 | 18000.0 | 2482.5 | 537.5 | -1945.0 | 10.81 | 0.00 | 4.387 | 3035.468161 |
| Nerle 220kV | 07/01/2020 20:30:00 | 83 | 18000.0 | 2635.0 | 256.25 | -2378.75 | 13.22 | 0.00 | 3.816 | 4854.289082 |
| Nerle 220kV | 07/01/2020 20:45:00 | 84 | 18000.0 | 2597.5 | 221.88 | -2375.62 | 13.2 | 0.00 | 3.401 | 1167.227682 |
| Nerle 220kV | 07/01/2020 21:00:00 | 85 | 18000.0 | 2567.5 | 390.62 | -2176.88 | 12.09 | 0.00 | -4.058 | 0.000000 |
| Nerle 220kV | 07/01/2020 21:15:00 | 86 | 18000.0 | 2517.5 | 456.25 | -2061.25 | 11.45 | 0.00 | 1.647 | 1092.534874 |
| Nerle 220kV | 07/01/2020 21:30:00 | 87 | 18000.0 | 2487.5 | 475.0 | -2012.5 | 11.18 | 0.00 | 2.196 | 641.754082 |
| Nerle 220kV | 07/01/2020 21:45:00 | 88 | 18000.0 | 2552.5 | 459.38 | -2093.12 | 11.63 | 0.00 | -2.196 | 0.000000 |
| Nerle 220kV | 07/01/2020 22:00:00 | 89 | 18000.0 | 2682.5 | 428.12 | -2254.38 | 12.52 | 0.00 | -3.257 | 0.000000 |
| Nerle 220kV | 07/01/2020 22:15:00 | 90 | 18000.0 | 2477.5 | 465.62 | -2011.88 | 11.18 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nerle 220kV | 07/01/2020 22:30:00 | 91 | 18000.0 | 2552.5 | 703.12 | -1849.38 | 10.27 | 0.00 | -1.098 | 0.000000 |
| Nerle 220kV | 07/01/2020 22:45:00 | 92 | 18000.0 | 2622.5 | 656.25 | -1966.25 | 10.92 | 0.00 | -1.647 | 0.000000 |
| Nerle 220kV | 07/01/2020 23:00:00 | 93 | 18000.0 | 2502.5 | 368.75 | -2133.75 | 11.85 | 0.00 | -3.401 | 0.000000 |
| Nerle 220kV | 07/01/2020 23:15:00 | 94 | 18000.0 | 2520.0 | 253.12 | -2266.88 | 12.59 | 0.00 | 1.647 | 0.000000 |
| Nerle 220kV | 07/01/2020 23:30:00 | 95 | 18000.0 | 2515.0 | 137.5 | -2377.5 | 13.21 | 0.00 | -2.196 | 0.000000 |
| Nerle 220kV | 07/01/2020 23:45:00 | 96 | 18000.0 | 2590.0 | 250.0 | -2340.0 | 13.0 | 0.00 | -0.549 | 0.000000 |
| Nerle 220kV | 08/01/2020 00:00:00 | 1 | 18000.0 | 2062.5 | 434.38 | -1628.12 | 9.05 | 0.00 | -2.220 | 0.000000 |
| Nerle 220kV | 08/01/2020 00:15:00 | 2 | 18000.0 | 2127.5 | 521.88 | -1605.62 | 8.92 | 0.00 | -3.101 | 0.000000 |
| Nerle 220kV | 08/01/2020 00:30:00 | 3 | 18000.0 | 2062.5 | 459.38 | -1603.12 | 8.91 | 0.00 | -3.101 | 0.000000 |
| Nerle 220kV | 08/01/2020 00:45:00 | 4 | 18000.0 | 2052.5 | 459.38 | -1593.12 | 8.85 | 0.00 | -2.424 | 0.000000 |
| Nerle 220kV | 08/01/2020 01:00:00 | 5 | 18000.0 | 2127.5 | 359.38 | -1768.12 | 9.82 | 0.00 | -2.170 | 0.000000 |
| Nerle 220kV | 08/01/2020 01:15:00 | 6 | 18000.0 | 2197.5 | 290.62 | -1906.88 | 10.59 | 0.00 | -1.761 | 0.000000 |
| Nerle 220kV | 08/01/2020 01:30:00 | 7 | 18000.0 | 2077.5 | 300.0 | -1777.5 | 9.88 | 0.00 | -1.665 | 0.000000 |
| Nerle 220kV | 08/01/2020 01:45:00 | 8 | 18000.0 | 2095.0 | 321.88 | -1773.12 | 9.85 | 0.00 | -1.665 | 0.000000 |
| Nerle 220kV | 08/01/2020 02:00:00 | 9 | 18000.0 | 2090.0 | 215.62 | -1874.38 | 10.41 | 0.00 | -1.110 | 0.000000 |
| Nerle 220kV | 08/01/2020 02:15:00 | 10 | 18000.0 | 2165.0 | 106.25 | -2058.75 | 11.44 | 0.00 | -1.347 | 0.000000 |
| Nerle 220kV | 08/01/2020 02:30:00 | 11 | 18000.0 | 2122.5 | 187.5 | -1935.0 | 10.75 | 0.00 | -3.101 | 0.000000 |
| Nerle 220kV | 08/01/2020 02:45:00 | 12 | 18000.0 | 2167.5 | 315.62 | -1851.88 | 10.29 | 0.00 | -2.220 | 0.000000 |
| Nerle 220kV | 08/01/2020 03:00:00 | 13 | 18000.0 | 2062.5 | 706.25 | -1356.25 | 7.53 | 0.00 | -3.428 | 0.000000 |
| Nerle 220kV | 08/01/2020 03:15:00 | 14 | 18000.0 | 2127.5 | 740.62 | -1386.88 | 7.7 | 0.00 | -2.220 | 0.000000 |
| Nerle 220kV | 08/01/2020 03:30:00 | 15 | 18000.0 | 2062.5 | 828.12 | -1234.38 | 6.86 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nerle 220kV | 08/01/2020 03:45:00 | 16 | 18000.0 | 2052.5 | 584.38 | -1468.12 | 8.16 | 0.00 | -2.775 | 0.000000 |
| Nerle 220kV | 08/01/2020 04:00:00 | 17 | 18000.0 | 2127.5 | 696.88 | -1430.62 | 7.95 | 0.00 | -3.101 | 0.000000 |
| Nerle 220kV | 08/01/2020 04:15:00 | 18 | 18000.0 | 2197.5 | 812.5 | -1385.0 | 7.69 | 0.00 | -1.665 | 0.000000 |
| Nerle 220kV | 08/01/2020 04:30:00 | 19 | 18000.0 | 2077.5 | 750.0 | -1327.5 | 7.38 | 0.00 | -2.220 | 0.000000 |
| Nerle 220kV | 08/01/2020 04:45:00 | 20 | 18000.0 | 2095.0 | 703.12 | -1391.88 | 7.73 | 0.00 | -2.775 | 0.000000 |
| Nerle 220kV | 08/01/2020 05:00:00 | 21 | 18000.0 | 2090.0 | 646.88 | -1443.12 | 8.02 | 0.00 | -1.110 | 0.000000 |
| Nerle 220kV | 08/01/2020 05:15:00 | 22 | 18000.0 | 2165.0 | 668.75 | -1496.25 | 8.31 | 0.00 | 2.775 | 72.101380 |
| Nerle 220kV | 08/01/2020 05:30:00 | 23 | 18000.0 | 2122.5 | 468.75 | -1653.75 | 9.19 | 0.00 | -3.428 | 0.000000 |
| Nerle 220kV | 08/01/2020 05:45:00 | 24 | 18000.0 | 2167.5 | 378.12 | -1789.38 | 9.94 | 0.00 | -2.775 | 0.000000 |
| Nerle 220kV | 08/01/2020 06:00:00 | 25 | 18000.0 | 2062.5 | 340.62 | -1721.88 | 9.57 | 0.00 | -2.220 | 0.000000 |
| Nerle 220kV | 08/01/2020 06:15:00 | 26 | 18000.0 | 2127.5 | 509.38 | -1618.12 | 8.99 | 0.00 | 2.220 | 331.301864 |
| Nerle 220kV | 08/01/2020 06:30:00 | 27 | 18000.0 | 2062.5 | 684.38 | -1378.12 | 7.66 | 0.00 | 5.387 | 2480.564039 |
| Nerle 220kV | 08/01/2020 06:45:00 | 28 | 18000.0 | 2052.5 | 900.0 | -1152.5 | 6.4 | 0.00 | -4.734 | 0.000000 |
| Nerle 220kV | 08/01/2020 07:00:00 | 29 | 18000.0 | 2127.5 | 887.5 | -1240.0 | 6.89 | 0.00 | -4.407 | 0.000000 |
| Nerle 220kV | 08/01/2020 07:15:00 | 30 | 18000.0 | 2197.5 | 800.0 | -1397.5 | 7.76 | 0.00 | 5.061 | 2463.210437 |
| Nerle 220kV | 08/01/2020 07:30:00 | 31 | 18000.0 | 2077.5 | 881.25 | -1196.25 | 6.65 | 0.00 | 5.714 | 2017.476000 |
| Nerle 220kV | 08/01/2020 07:45:00 | 32 | 18000.0 | 2095.0 | 1193.75 | -901.25 | 5.01 | 0.00 | 5.061 | 597.559774 |
| Nerle 220kV | 08/01/2020 08:00:00 | 33 | 18000.0 | 2090.0 | 1621.88 | -468.12 | 2.6 | 0.00 | 2.775 | 0.000000 |
| Nerle 220kV | 08/01/2020 08:15:00 | 34 | 18000.0 | 2165.0 | 1565.62 | -599.38 | 3.33 | 0.00 | 2.775 | 0.000000 |
| Nerle 220kV | 08/01/2020 08:30:00 | 35 | 18000.0 | 2122.5 | 1212.5 | -910.0 | 5.06 | 0.00 | 5.387 | 0.000000 |
| Nerle 220kV | 08/01/2020 08:45:00 | 36 | 18000.0 | 2167.5 | 721.88 | -1445.62 | 8.03 | 0.00 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nerle 220kV | 08/01/2020 09:00:00 | 37 | 18000.0 | 2062.5 | 581.25 | -1481.25 | 8.23 | 0.00 | 7.673 | 0.000000 |
| Nerle 220kV | 08/01/2020 09:15:00 | 38 | 18000.0 | 2127.5 | 746.88 | -1380.62 | 7.67 | 0.00 | 7.673 | 0.000000 |
| Nerle 220kV | 08/01/2020 09:30:00 | 39 | 18000.0 | 2062.5 | 590.62 | -1471.88 | 8.18 | 0.00 | 3.101 | 0.000000 |
| Nerle 220kV | 08/01/2020 09:45:00 | 40 | 18000.0 | 2052.5 | 500.0 | -1552.5 | 8.62 | 0.00 | -3.101 | 0.000000 |
| Nerle 220kV | 08/01/2020 10:00:00 | 41 | 18000.0 | 2127.5 | 543.75 | -1583.75 | 8.8 | 0.00 | -3.101 | 0.000000 |
| Nerle 220kV | 08/01/2020 10:15:00 | 42 | 18000.0 | 2197.5 | 1100.0 | -1097.5 | 6.1 | 0.00 | -3.101 | 0.000000 |
| Nerle 220kV | 08/01/2020 10:30:00 | 43 | 18000.0 | 2077.5 | 1081.25 | -996.25 | 5.53 | 0.00 | -1.665 | 0.000000 |
| Nerle 220kV | 08/01/2020 10:45:00 | 44 | 18000.0 | 2095.0 | 771.88 | -1323.12 | 7.35 | 0.00 | 0.000 | 0.000000 |
| Nerle 220kV | 08/01/2020 11:00:00 | 45 | 18000.0 | 2090.0 | 493.75 | -1596.25 | 8.87 | 0.00 | -1.486 | 0.000000 |
| Nerle 220kV | 08/01/2020 11:15:00 | 46 | 18000.0 | 2165.0 | 612.5 | -1552.5 | 8.62 | 0.00 | -1.305 | 0.000000 |
| Nerle 220kV | 08/01/2020 11:30:00 | 47 | 18000.0 | 2122.5 | 634.38 | -1488.12 | 8.27 | 0.00 | -2.425 | 0.000000 |
| Nerle 220kV | 08/01/2020 11:45:00 | 48 | 18000.0 | 2062.5 | 387.5 | -1675.0 | 9.31 | 0.00 | -2.775 | 0.000000 |
| Nerle 220kV | 08/01/2020 12:00:00 | 49 | 18000.0 | 2127.5 | 528.12 | -1599.38 | 8.89 | 0.00 | -2.083 | 0.000000 |
| Nerle 220kV | 08/01/2020 12:15:00 | 50 | 18000.0 | 2062.5 | 721.88 | -1340.62 | 7.45 | 0.00 | -3.242 | 0.000000 |
| Nerle 220kV | 08/01/2020 12:30:00 | 51 | 18000.0 | 2052.5 | 793.75 | -1258.75 | 6.99 | 0.00 | -1.330 | 0.000000 |
| Nerle 220kV | 08/01/2020 12:45:00 | 52 | 18000.0 | 2127.5 | 528.12 | -1599.38 | 8.89 | 0.00 | -0.830 | 0.000000 |
| Nerle 220kV | 08/01/2020 13:00:00 | 53 | 18000.0 | 2197.5 | 878.12 | -1319.38 | 7.33 | 0.00 | 2.775 | 0.000000 |
| Nerle 220kV | 08/01/2020 13:15:00 | 54 | 18000.0 | 2077.5 | 1346.88 | -730.62 | 4.06 | 0.00 | 0.000 | 0.000000 |
| Nerle 220kV | 08/01/2020 13:30:00 | 55 | 18000.0 | 2095.0 | 1418.75 | -676.25 | 3.76 | 0.00 | -1.012 | 0.000000 |
| Nerle 220kV | 08/01/2020 13:45:00 | 56 | 18000.0 | 2090.0 | 1196.88 | -893.12 | 4.96 | 0.00 | -1.087 | 0.000000 |
| Nerle 220kV | 08/01/2020 14:00:00 | 57 | 18000.0 | 2165.0 | 1368.75 | -796.25 | 4.42 | 0.00 | -3.101 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nerle 220kV | 08/01/2020 14:15:00 | 58 | 18000.0 | 2122.5 | 1456.25 | -666.25 | 3.7 | 0.00 | -4.081 | 0.000000 |
| Nerle 220kV | 08/01/2020 14:30:00 | 59 | 18000.0 | 2167.5 | 1621.88 | -545.62 | 3.03 | 0.00 | -2.996 | 0.000000 |
| Nerle 220kV | 08/01/2020 14:45:00 | 60 | 18000.0 | 2062.5 | 1537.5 | -525.0 | 2.92 | 0.00 | -3.101 | 0.000000 |
| Nerle 220kV | 08/01/2020 15:00:00 | 61 | 18000.0 | 2127.5 | 1687.5 | -440.0 | 2.44 | 0.00 | -1.879 | 0.000000 |
| Nerle 220kV | 08/01/2020 15:15:00 | 62 | 18000.0 | 2062.5 | 1215.62 | -846.88 | 4.7 | 0.00 | -4.081 | 0.000000 |
| Nerle 220kV | 08/01/2020 15:30:00 | 63 | 18000.0 | 2052.5 | 1487.5 | -565.0 | 3.14 | 0.00 | 4.938 | 0.000000 |
| Nerle 220kV | 08/01/2020 15:45:00 | 64 | 18000.0 | 2127.5 | 1293.75 | -833.75 | 4.63 | 0.00 | 4.719 | 0.000000 |
| Nerle 220kV | 08/01/2020 16:00:00 | 65 | 18000.0 | 2197.5 | 1565.62 | -631.88 | 3.51 | 0.00 | 0.555 | 0.000000 |
| Nerle 220kV | 08/01/2020 16:15:00 | 66 | 18000.0 | 2077.5 | 1371.88 | -705.62 | 3.92 | 0.00 | -4.081 | 0.000000 |
| Nerle 220kV | 08/01/2020 16:30:00 | 67 | 18000.0 | 2095.0 | 1365.62 | -729.38 | 4.05 | 0.00 | -3.754 | 0.000000 |
| Nerle 220kV | 08/01/2020 16:45:00 | 68 | 18000.0 | 2090.0 | 1506.25 | -583.75 | 3.24 | 0.00 | -8.000 | 0.000000 |
| Nerle 220kV | 08/01/2020 17:00:00 | 69 | 18000.0 | 2165.0 | 1890.62 | -274.38 | 1.52 | 0.00 | 0.000 | 0.000000 |
| Nerle 220kV | 08/01/2020 17:15:00 | 70 | 18000.0 | 2122.5 | 2328.12 | 205.62 | 1.14 | 0.00 | 4.081 | 0.000000 |
| Nerle 220kV | 08/01/2020 17:30:00 | 71 | 18000.0 | 2547.5 | 2650.0 | 102.5 | 0.57 | 0.00 | -5.387 | 0.000000 |
| Nerle 220kV | 08/01/2020 17:45:00 | 72 | 18000.0 | 2592.5 | 2587.5 | -5.0 | 0.03 | 0.00 | -3.101 | 0.000000 |
| Nerle 220kV | 08/01/2020 18:00:00 | 73 | 18000.0 | 2635.0 | 2650.0 | 15.0 | 0.08 | 0.00 | -2.775 | 0.000000 |
| Nerle 220kV | 08/01/2020 18:15:00 | 74 | 18000.0 | 2597.5 | 1815.62 | -781.88 | 4.34 | 0.00 | -3.101 | 0.000000 |
| Nerle 220kV | 08/01/2020 18:30:00 | 75 | 18000.0 | 2567.5 | 1390.62 | -1176.88 | 6.54 | 0.00 | -2.220 | 0.000000 |
| Nerle 220kV | 08/01/2020 18:45:00 | 76 | 18000.0 | 2517.5 | 1406.25 | -1111.25 | 6.17 | 0.00 | 2.220 | 875.970110 |
| Nerle 220kV | 08/01/2020 19:00:00 | 77 | 18000.0 | 2687.5 | 1406.25 | -1281.25 | 7.12 | 0.00 | 1.110 | 0.000000 |
| Nerle 220kV | 08/01/2020 19:15:00 | 78 | 18000.0 | 2635.0 | 1350.0 | -1285.0 | 7.14 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nerle 220kV | 08/01/2020 19:30:00 | 79 | 18000.0 | 2597.5 | 1259.38 | -1338.12 | 7.43 | 0.00 | -2.220 | 0.000000 |
| Nerle 220kV | 08/01/2020 19:45:00 | 80 | 18000.0 | 2567.5 | 1203.12 | -1364.38 | 7.58 | 0.00 | -0.555 | 0.000000 |
| Nerle 220kV | 08/01/2020 20:00:00 | 81 | 18000.0 | 2517.5 | 1078.12 | -1439.38 | 8.0 | 0.00 | 2.775 | 0.000000 |
| Nerle 220kV | 08/01/2020 20:15:00 | 82 | 18000.0 | 2482.5 | 868.75 | -1613.75 | 8.97 | 0.00 | 3.101 | 2698.321451 |
| Nerle 220kV | 08/01/2020 20:30:00 | 83 | 18000.0 | 2635.0 | 434.38 | -2200.62 | 12.23 | 0.00 | 4.408 | 4984.863890 |
| Nerle 220kV | 08/01/2020 20:45:00 | 84 | 18000.0 | 2597.5 | 150.0 | -2447.5 | 13.6 | 0.00 | 3.101 | 1601.643866 |
| Nerle 220kV | 08/01/2020 21:00:00 | 85 | 18000.0 | 2567.5 | 6.25 | -2561.25 | 14.23 | 0.00 | 3.101 | 0.000000 |
| Nerle 220kV | 08/01/2020 21:15:00 | 86 | 18000.0 | 2517.5 | 3.12 | -2514.38 | 13.97 | 0.00 | -0.555 | 0.000000 |
| Nerle 220kV | 08/01/2020 21:30:00 | 87 | 18000.0 | 2487.5 | 0.0 | -2487.5 | 13.82 | 0.00 | -1.110 | 0.000000 |
| Nerle 220kV | 08/01/2020 21:45:00 | 88 | 18000.0 | 2552.5 | 0.0 | -2552.5 | 14.18 | 0.00 | -1.110 | 0.000000 |
| Nerle 220kV | 08/01/2020 22:00:00 | 89 | 18000.0 | 2682.5 | 0.0 | -2682.5 | 14.9 | 0.00 | -2.489 | 0.000000 |
| Nerle 220kV | 08/01/2020 22:15:00 | 90 | 18000.0 | 2477.5 | 0.0 | -2477.5 | 13.76 | 0.00 | -2.775 | 0.000000 |
| Nerle 220kV | 08/01/2020 22:30:00 | 91 | 18000.0 | 2552.5 | 0.0 | -2552.5 | 14.18 | 0.00 | -2.223 | 0.000000 |
| Nerle 220kV | 08/01/2020 22:45:00 | 92 | 18000.0 | 2622.5 | 0.0 | -2622.5 | 14.57 | 0.00 | 1.110 | 0.000000 |
| Nerle 220kV | 08/01/2020 23:00:00 | 93 | 18000.0 | 2502.5 | 0.0 | -2502.5 | 13.9 | 0.00 | 1.110 | 267.169411 |
| Nerle 220kV | 08/01/2020 23:15:00 | 94 | 18000.0 | 2520.0 | 0.0 | -2520.0 | 14.0 | 0.00 | 1.110 | 0.000000 |
| Nerle 220kV | 08/01/2020 23:30:00 | 95 | 18000.0 | 2515.0 | 0.0 | -2515.0 | 13.97 | 0.00 | 2.775 | 22.862656 |
| Nerle 220kV | 08/01/2020 23:45:00 | 96 | 18000.0 | 2590.0 | 0.0 | -2590.0 | 14.39 | 0.00 | 0.000 | 0.000000 |
| Nerle 220kV | 09/01/2020 00:00:00 | 1 | 18000.0 | 2062.5 | 0.0 | -2062.5 | 11.46 | 0.00 | -0.576 | 0.000000 |
| Nerle 220kV | 09/01/2020 00:15:00 | 2 | 18000.0 | 2127.5 | 0.0 | -2127.5 | 11.82 | 0.00 | -1.727 | 0.000000 |
| Nerle 220kV | 09/01/2020 00:30:00 | 3 | 18000.0 | 2062.5 | 0.0 | -2062.5 | 11.46 | 0.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nerle 220kV | 09/01/2020 00:45:00 | 4 | 18000.0 | 2052.5 | 0.0 | -2052.5 | 11.4 | 0.00 | -2.879 | 0.000000 |
| Nerle 220kV | 09/01/2020 01:00:00 | 5 | 18000.0 | 2127.5 | 0.0 | -2127.5 | 11.82 | 0.00 | -3.519 | 0.000000 |
| Nerle 220kV | 09/01/2020 01:15:00 | 6 | 18000.0 | 2197.5 | 0.0 | -2197.5 | 12.21 | 0.00 | -3.519 | 0.000000 |
| Nerle 220kV | 09/01/2020 01:30:00 | 7 | 18000.0 | 2077.5 | 0.0 | -2077.5 | 11.54 | 0.00 | -3.199 | 0.000000 |
| Nerle 220kV | 09/01/2020 01:45:00 | 8 | 18000.0 | 2095.0 | 0.0 | -2095.0 | 11.64 | 0.00 | 3.519 | 509.058883 |
| Nerle 220kV | 09/01/2020 02:00:00 | 9 | 18000.0 | 2090.0 | 0.0 | -2090.0 | 11.61 | 0.00 | 3.519 | 2300.897560 |
| Nerle 220kV | 09/01/2020 02:15:00 | 10 | 18000.0 | 2165.0 | 43.75 | -2121.25 | 11.78 | 0.00 | 2.879 | 1024.218654 |
| Nerle 220kV | 09/01/2020 02:30:00 | 11 | 18000.0 | 2122.5 | 403.12 | -1719.38 | 9.55 | 0.00 | 3.199 | 1194.431221 |
| Nerle 220kV | 09/01/2020 02:45:00 | 12 | 18000.0 | 2167.5 | 965.62 | -1201.88 | 6.68 | 0.00 | 1.152 | 0.000000 |
| Nerle 220kV | 09/01/2020 03:00:00 | 13 | 18000.0 | 2062.5 | 1012.5 | -1050.0 | 5.83 | 0.00 | -2.879 | 0.000000 |
| Nerle 220kV | 09/01/2020 03:15:00 | 14 | 18000.0 | 2127.5 | 781.25 | -1346.25 | 7.48 | 0.00 | -3.839 | 0.000000 |
| Nerle 220kV | 09/01/2020 03:30:00 | 15 | 18000.0 | 2062.5 | 746.88 | -1315.62 | 7.31 | 0.00 | 3.199 | 0.000000 |
| Nerle 220kV | 09/01/2020 03:45:00 | 16 | 18000.0 | 2052.5 | 437.5 | -1615.0 | 8.97 | 0.00 | 0.000 | 0.000000 |
| Nerle 220kV | 09/01/2020 04:00:00 | 17 | 18000.0 | 2127.5 | 171.88 | -1955.62 | 10.86 | 0.00 | 1.727 | 0.000000 |
| Nerle 220kV | 09/01/2020 04:15:00 | 18 | 18000.0 | 2197.5 | 93.75 | -2103.75 | 11.69 | 0.00 | 1.727 | 0.000000 |
| Nerle 220kV | 09/01/2020 04:30:00 | 19 | 18000.0 | 2077.5 | 112.5 | -1965.0 | 10.92 | 0.00 | 1.727 | 0.000000 |
| Nerle 220kV | 09/01/2020 04:45:00 | 20 | 18000.0 | 2095.0 | 193.75 | -1901.25 | 10.56 | 0.00 | 2.879 | 1638.516351 |
| Nerle 220kV | 09/01/2020 05:00:00 | 21 | 18000.0 | 2090.0 | 168.75 | -1921.25 | 10.67 | 0.00 | 3.839 | 959.047120 |
| Nerle 220kV | 09/01/2020 05:15:00 | 22 | 18000.0 | 2165.0 | 106.25 | -2058.75 | 11.44 | 0.00 | 5.119 | 2905.931355 |
| Nerle 220kV | 09/01/2020 05:30:00 | 23 | 18000.0 | 2122.5 | 25.0 | -2097.5 | 11.65 | 0.00 | 4.064 | 5395.617208 |
| Nerle 220kV | 09/01/2020 05:45:00 | 24 | 18000.0 | 2167.5 | 15.62 | -2151.88 | 11.95 | 0.00 | 1.152 | 15.181173 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nerle 220kV | 09/01/2020 06:00:00 | 25 | 18000.0 | 2062.5 | 12.5 | -2050.0 | 11.39 | 0.00 | -2.303 | 0.000000 |
| Nerle 220kV | 09/01/2020 06:15:00 | 26 | 18000.0 | 2127.5 | 0.0 | -2127.5 | 11.82 | 0.00 | 2.303 | 1415.104637 |
| Nerle 220kV | 09/01/2020 06:30:00 | 27 | 18000.0 | 2062.5 | 171.88 | -1890.62 | 10.5 | 0.00 | -3.839 | 0.000000 |
| Nerle 220kV | 09/01/2020 06:45:00 | 28 | 18000.0 | 2052.5 | 171.88 | -1880.62 | 10.45 | 0.00 | -2.879 | 0.000000 |
| Nerle 220kV | 09/01/2020 07:00:00 | 29 | 18000.0 | 2127.5 | 100.0 | -2027.5 | 11.26 | 0.00 | -2.879 | 0.000000 |
| Nerle 220kV | 09/01/2020 07:15:00 | 30 | 18000.0 | 2197.5 | 9.38 | -2188.12 | 12.16 | 0.00 | 6.400 | 1088.604439 |
| Nerle 220kV | 09/01/2020 07:30:00 | 31 | 18000.0 | 2077.5 | 0.0 | -2077.5 | 11.54 | 0.00 | 1.172 | 0.000000 |
| Nerle 220kV | 09/01/2020 07:45:00 | 32 | 18000.0 | 2095.0 | 0.0 | -2095.0 | 11.64 | 0.00 | 0.576 | 0.000000 |
| Nerle 220kV | 09/01/2020 08:00:00 | 33 | 18000.0 | 2090.0 | 0.0 | -2090.0 | 11.61 | 0.00 | -0.576 | 0.000000 |
| Nerle 220kV | 09/01/2020 08:15:00 | 34 | 18000.0 | 2165.0 | 0.0 | -2165.0 | 12.03 | 0.00 | -1.152 | 0.000000 |
| Nerle 220kV | 09/01/2020 08:30:00 | 35 | 18000.0 | 2122.5 | 0.0 | -2122.5 | 11.79 | 0.00 | 0.576 | 0.000000 |
| Nerle 220kV | 09/01/2020 08:45:00 | 36 | 18000.0 | 2167.5 | 0.0 | -2167.5 | 12.04 | 0.00 | 0.000 | 0.000000 |
| Nerle 220kV | 09/01/2020 09:00:00 | 37 | 18000.0 | 2062.5 | 0.0 | -2062.5 | 11.46 | 0.00 | 1.152 | 0.000000 |
| Nerle 220kV | 09/01/2020 09:15:00 | 38 | 18000.0 | 2127.5 | 0.0 | -2127.5 | 11.82 | 0.00 | 1.727 | 0.000000 |
| Nerle 220kV | 09/01/2020 09:30:00 | 39 | 18000.0 | 2062.5 | 0.0 | -2062.5 | 11.46 | 0.00 | -3.839 | 0.000000 |
| Nerle 220kV | 09/01/2020 09:45:00 | 40 | 18000.0 | 2052.5 | 0.0 | -2052.5 | 11.4 | 0.00 | -1.152 | 0.000000 |
| Nerle 220kV | 09/01/2020 10:00:00 | 41 | 18000.0 | 2127.5 | 0.0 | -2127.5 | 11.82 | 0.00 | 0.000 | 0.000000 |
| Nerle 220kV | 09/01/2020 10:15:00 | 42 | 18000.0 | 2197.5 | 18.75 | -2178.75 | 12.1 | 0.00 | 1.727 | 0.000000 |
| Nerle 220kV | 09/01/2020 10:30:00 | 43 | 18000.0 | 2077.5 | 90.62 | -1986.88 | 11.04 | 0.00 | 2.303 | 0.000000 |
| Nerle 220kV | 09/01/2020 10:45:00 | 44 | 18000.0 | 2095.0 | 21.88 | -2073.12 | 11.52 | 0.00 | -1.144 | 0.000000 |
| Nerle 220kV | 09/01/2020 11:00:00 | 45 | 18000.0 | 2090.0 | 0.0 | -2090.0 | 11.61 | 0.00 | -4.479 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nerle 220kV | 09/01/2020 11:15:00 | 46 | 18000.0 | 2165.0 | 18.75 | -2146.25 | 11.92 | 0.00 | -3.519 | 0.000000 |
| Nerle 220kV | 09/01/2020 11:30:00 | 47 | 18000.0 | 2122.5 | 75.0 | -2047.5 | 11.38 | 0.00 | -2.303 | 0.000000 |
| Nerle 220kV | 09/01/2020 11:45:00 | 48 | 18000.0 | 2062.5 | 171.88 | -1890.62 | 10.5 | 0.00 | -0.576 | 0.000000 |
| Nerle 220kV | 09/01/2020 12:00:00 | 49 | 18000.0 | 2127.5 | 96.88 | -2030.62 | 11.28 | 0.00 | 0.000 | 0.000000 |
| Nerle 220kV | 09/01/2020 12:15:00 | 50 | 18000.0 | 2062.5 | 50.0 | -2012.5 | 11.18 | 0.00 | 3.839 | 0.000000 |
| Nerle 220kV | 09/01/2020 12:30:00 | 51 | 18000.0 | 2052.5 | 6.25 | -2046.25 | 11.37 | 0.00 | 3.199 | 0.000000 |
| Nerle 220kV | 09/01/2020 12:45:00 | 52 | 18000.0 | 2127.5 | 0.0 | -2127.5 | 11.82 | 0.00 | 3.199 | 0.000000 |
| Nerle 220kV | 09/01/2020 13:00:00 | 53 | 18000.0 | 2197.5 | 0.0 | -2197.5 | 12.21 | 0.00 | -1.152 | 0.000000 |
| Nerle 220kV | 09/01/2020 13:15:00 | 54 | 18000.0 | 2077.5 | 40.62 | -2036.88 | 11.32 | 0.00 | -1.152 | 0.000000 |
| Nerle 220kV | 09/01/2020 13:30:00 | 55 | 18000.0 | 2095.0 | 115.62 | -1979.38 | 11.0 | 0.00 | 1.727 | 0.000000 |
| Nerle 220kV | 09/01/2020 13:45:00 | 56 | 18000.0 | 2090.0 | 512.5 | -1577.5 | 8.76 | 0.00 | 3.199 | 0.000000 |
| Nerle 220kV | 09/01/2020 14:00:00 | 57 | 18000.0 | 2165.0 | 440.62 | -1724.38 | 9.58 | 0.00 | 4.345 | 0.000000 |
| Nerle 220kV | 09/01/2020 14:15:00 | 58 | 18000.0 | 2122.5 | 184.38 | -1938.12 | 10.77 | 0.00 | 3.941 | 0.000000 |
| Nerle 220kV | 09/01/2020 14:30:00 | 59 | 18000.0 | 2167.5 | 231.25 | -1936.25 | 10.76 | 0.00 | 1.152 | 0.000000 |
| Nerle 220kV | 09/01/2020 14:45:00 | 60 | 18000.0 | 2062.5 | 125.0 | -1937.5 | 10.76 | 0.00 | -0.576 | 0.000000 |
| Nerle 220kV | 09/01/2020 15:00:00 | 61 | 18000.0 | 2127.5 | 53.12 | -2074.38 | 11.52 | 0.00 | -1.006 | 0.000000 |
| Nerle 220kV | 09/01/2020 15:15:00 | 62 | 18000.0 | 2062.5 | 103.12 | -1959.38 | 10.89 | 0.00 | 3.199 | 0.000000 |
| Nerle 220kV | 09/01/2020 15:30:00 | 63 | 18000.0 | 2052.5 | 15.62 | -2036.88 | 11.32 | 0.00 | 2.879 | 0.000000 |
| Nerle 220kV | 09/01/2020 15:45:00 | 64 | 18000.0 | 2127.5 | 28.12 | -2099.38 | 11.66 | 0.00 | 3.839 | 0.000000 |
| Nerle 220kV | 09/01/2020 16:00:00 | 65 | 18000.0 | 2197.5 | 87.5 | -2110.0 | 11.72 | 0.00 | 1.727 | 0.000000 |
| Nerle 220kV | 09/01/2020 16:15:00 | 66 | 18000.0 | 2077.5 | 37.5 | -2040.0 | 11.33 | 0.00 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nerle 220kV | 09/01/2020 16:30:00 | 67 | 18000.0 | 2095.0 | 59.38 | -2035.62 | 11.31 | 0.00 | -4.159 | 0.000000 |
| Nerle 220kV | 09/01/2020 16:45:00 | 68 | 18000.0 | 2090.0 | 78.12 | -2011.88 | 11.18 | 0.00 | 3.839 | 0.000000 |
| Nerle 220kV | 09/01/2020 17:00:00 | 69 | 18000.0 | 2165.0 | 18.75 | -2146.25 | 11.92 | 0.00 | 1.727 | 0.000000 |
| Nerle 220kV | 09/01/2020 17:15:00 | 70 | 18000.0 | 2122.5 | 0.0 | -2122.5 | 11.79 | 0.00 | 3.839 | 729.536700 |
| Nerle 220kV | 09/01/2020 17:30:00 | 71 | 18000.0 | 2547.5 | 0.0 | -2547.5 | 14.15 | 0.00 | -2.879 | 0.000000 |
| Nerle 220kV | 09/01/2020 17:45:00 | 72 | 18000.0 | 2592.5 | 0.0 | -2592.5 | 14.4 | 0.00 | -4.146 | 0.000000 |
| Nerle 220kV | 09/01/2020 18:00:00 | 73 | 18000.0 | 2635.0 | 0.0 | -2635.0 | 14.64 | 0.00 | -3.349 | 0.000000 |
| Nerle 220kV | 09/01/2020 18:15:00 | 74 | 18000.0 | 2597.5 | 0.0 | -2597.5 | 14.43 | 0.00 | -4.563 | 0.000000 |
| Nerle 220kV | 09/01/2020 18:30:00 | 75 | 18000.0 | 2567.5 | 3.12 | -2564.38 | 14.25 | 0.00 | -3.839 | 0.000000 |
| Nerle 220kV | 09/01/2020 18:45:00 | 76 | 18000.0 | 2517.5 | 0.0 | -2517.5 | 13.99 | 0.00 | -2.879 | 0.000000 |
| Nerle 220kV | 09/01/2020 19:00:00 | 77 | 18000.0 | 2687.5 | 0.0 | -2687.5 | 14.93 | 0.00 | -3.199 | 0.000000 |
| Nerle 220kV | 09/01/2020 19:15:00 | 78 | 18000.0 | 2635.0 | 0.0 | -2635.0 | 14.64 | 0.00 | -1.727 | 0.000000 |
| Nerle 220kV | 09/01/2020 19:30:00 | 79 | 18000.0 | 2597.5 | 0.0 | -2597.5 | 14.43 | 0.00 | -1.442 | 0.000000 |
| Nerle 220kV | 09/01/2020 19:45:00 | 80 | 18000.0 | 2567.5 | 0.0 | -2567.5 | 14.26 | 0.00 | -0.286 | 0.000000 |
| Nerle 220kV | 09/01/2020 20:00:00 | 81 | 18000.0 | 2517.5 | 0.0 | -2517.5 | 13.99 | 0.00 | -1.070 | 0.000000 |
| Nerle 220kV | 09/01/2020 20:15:00 | 82 | 18000.0 | 2482.5 | 0.0 | -2482.5 | 13.79 | 0.00 | -2.236 | 0.000000 |
| Nerle 220kV | 09/01/2020 20:30:00 | 83 | 18000.0 | 2635.0 | 0.0 | -2635.0 | 14.64 | 0.00 | -4.799 | 0.000000 |
| Nerle 220kV | 09/01/2020 20:45:00 | 84 | 18000.0 | 2597.5 | 0.0 | -2597.5 | 14.43 | 0.00 | -1.727 | 0.000000 |
| Nerle 220kV | 09/01/2020 21:00:00 | 85 | 18000.0 | 2567.5 | 0.0 | -2567.5 | 14.26 | 0.00 | -1.727 | 0.000000 |
| Nerle 220kV | 09/01/2020 21:15:00 | 86 | 18000.0 | 2517.5 | 0.0 | -2517.5 | 13.99 | 0.00 | 1.152 | 0.000000 |
| Nerle 220kV | 09/01/2020 21:30:00 | 87 | 18000.0 | 2487.5 | 0.0 | -2487.5 | 13.82 | 0.00 | 1.152 | 0.000000 |

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| Nerle 220kV | 09/01/2020 21:45:00 | 88 | 18000.0 | 2552.5 | 0.0 | -2552.5 | 14.18 | 0.00 | -2.303 | 0.000000 |
| Nerle 220kV | 09/01/2020 22:00:00 | 89 | 18000.0 | 2682.5 | 0.0 | -2682.5 | 14.9 | 0.00 | -2.795 | 0.000000 |
| Nerle 220kV | 09/01/2020 22:15:00 | 90 | 18000.0 | 2477.5 | 0.0 | -2477.5 | 13.76 | 0.00 | -3.674 | 0.000000 |
| Nerle 220kV | 09/01/2020 22:30:00 | 91 | 18000.0 | 2552.5 | 0.0 | -2552.5 | 14.18 | 0.00 | -2.303 | 0.000000 |
| Nerle 220kV | 09/01/2020 22:45:00 | 92 | 18000.0 | 2622.5 | 93.75 | -2528.75 | 14.05 | 0.00 | -1.152 | 0.000000 |
| Nerle 220kV | 09/01/2020 23:00:00 | 93 | 18000.0 | 2502.5 | 234.38 | -2268.12 | 12.6 | 0.00 | 0.000 | 0.000000 |
| Nerle 220kV | 09/01/2020 23:15:00 | 94 | 18000.0 | 2520.0 | 431.25 | -2088.75 | 11.6 | 0.00 | -0.576 | 0.000000 |
| Nerle 220kV | 09/01/2020 23:30:00 | 95 | 18000.0 | 2515.0 | 506.25 | -2008.75 | 11.16 | 0.00 | -0.576 | 0.000000 |
| Nerle 220kV | 09/01/2020 23:45:00 | 96 | 18000.0 | 2590.0 | 831.25 | -1758.75 | 9.77 | 0.00 | -0.987 | 0.000000 |
| Nerle 220kV | 10/01/2020 00:00:00 | 1 | 18000.0 | 2062.5 | 965.62 | -1096.88 | 6.09 | 0.00 | -0.680 | 0.000000 |
| Nerle 220kV | 10/01/2020 00:15:00 | 2 | 18000.0 | 2127.5 | 943.75 | -1183.75 | 6.58 | 0.00 | -3.326 | 0.000000 |
| Nerle 220kV | 10/01/2020 00:30:00 | 3 | 18000.0 | 2062.5 | 896.88 | -1165.62 | 6.48 | 0.00 | -2.992 | 0.000000 |
| Nerle 220kV | 10/01/2020 00:45:00 | 4 | 18000.0 | 2052.5 | 834.38 | -1218.12 | 6.77 | 0.00 | -0.532 | 0.000000 |
| Nerle 220kV | 10/01/2020 01:00:00 | 5 | 18000.0 | 2127.5 | 862.5 | -1265.0 | 7.03 | 0.00 | -0.713 | 0.000000 |
| Nerle 220kV | 10/01/2020 01:15:00 | 6 | 18000.0 | 2197.5 | 1240.62 | -956.88 | 5.32 | 0.00 | -0.548 | 0.000000 |
| Nerle 220kV | 10/01/2020 01:30:00 | 7 | 18000.0 | 2077.5 | 1790.62 | -286.88 | 1.59 | 0.00 | -2.658 | 0.000000 |
| Nerle 220kV | 10/01/2020 01:45:00 | 8 | 18000.0 | 2095.0 | 2012.5 | -82.5 | 0.46 | 0.00 | 2.127 | 0.000000 |
| Nerle 220kV | 10/01/2020 02:00:00 | 9 | 18000.0 | 2090.0 | 2256.25 | 166.25 | 0.92 | 0.00 | 5.342 | 0.000000 |
| Nerle 220kV | 10/01/2020 02:15:00 | 10 | 18000.0 | 2165.0 | 3090.62 | 925.62 | 5.14 | 0.00 | 1.595 | 0.000000 |
| Nerle 220kV | 10/01/2020 02:30:00 | 11 | 18000.0 | 2122.5 | 3515.62 | 1393.12 | 7.74 | 0.00 | 3.326 | 0.000000 |
| Nerle 220kV | 10/01/2020 02:45:00 | 12 | 18000.0 | 2167.5 | 4131.25 | 1963.75 | 10.91 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nerle 220kV | 10/01/2020 03:00:00 | 13 | 18000.0 | 2062.5 | 4021.88 | 1959.38 | 10.89 | 0.00 | 2.658 | 0.000000 |
| Nerle 220kV | 10/01/2020 03:15:00 | 14 | 18000.0 | 2635.0 | 5468.75 | 2833.75 | 15.74 | 66.88 | 2.127 | 0.000000 |
| Nerle 220kV | 10/01/2020 03:30:00 | 15 | 18000.0 | 2597.5 | 6709.38 | 4111.88 | 22.84 | 705.94 | 2.127 | 0.000000 |
| Nerle 220kV | 10/01/2020 03:45:00 | 16 | 18000.0 | 2567.5 | 7978.12 | 5410.62 | 30.06 | 1810.62 | -1.063 | 0.000000 |
| Nerle 220kV | 10/01/2020 04:00:00 | 17 | 18000.0 | 2517.5 | 8790.62 | 6273.12 | 34.85 | 2673.12 | 1.595 | 0.000000 |
| Nerle 220kV | 10/01/2020 04:15:00 | 18 | 18000.0 | 2487.5 | 8446.88 | 5959.38 | 33.11 | 2359.38 | 3.326 | 0.000000 |
| Nerle 220kV | 10/01/2020 04:30:00 | 19 | 18000.0 | 5080.0 | 7962.5 | 2882.5 | 16.01 | 91.25 | 3.326 | 0.000000 |
| Nerle 220kV | 10/01/2020 04:45:00 | 20 | 18000.0 | 5090.0 | 8646.88 | 3556.88 | 19.76 | 428.44 | 2.127 | 0.000000 |
| Nerle 220kV | 10/01/2020 05:00:00 | 21 | 18000.0 | 4912.5 | 9137.5 | 4225.0 | 23.47 | 762.50 | 2.992 | 0.000000 |
| Nerle 220kV | 10/01/2020 05:15:00 | 22 | 18000.0 | 4840.0 | 8828.12 | 3988.12 | 22.16 | 644.06 | 1.063 | 0.000000 |
| Nerle 220kV | 10/01/2020 05:30:00 | 23 | 18000.0 | 4630.0 | 8700.0 | 4070.0 | 22.61 | 685.00 | -2.658 | 0.000000 |
| Nerle 220kV | 10/01/2020 05:45:00 | 24 | 18000.0 | 4635.0 | 8331.25 | 3696.25 | 20.53 | 498.13 | 2.127 | 0.000000 |
| Nerle 220kV | 10/01/2020 06:00:00 | 25 | 18000.0 | 4412.5 | 8068.75 | 3656.25 | 20.31 | 478.13 | -2.127 | 0.000000 |
| Nerle 220kV | 10/01/2020 06:15:00 | 26 | 18000.0 | 8130.0 | 8575.0 | 445.0 | 2.47 | 0.00 | 2.658 | 0.000000 |
| Nerle 220kV | 10/01/2020 06:30:00 | 27 | 18000.0 | 7837.5 | 9103.12 | 1265.62 | 7.03 | 0.00 | -2.992 | 0.000000 |
| Nerle 220kV | 10/01/2020 06:45:00 | 28 | 18000.0 | 7812.5 | 8096.88 | 284.38 | 1.58 | 0.00 | -3.077 | 0.000000 |
| Nerle 220kV | 10/01/2020 07:00:00 | 29 | 18000.0 | 7662.5 | 8662.5 | 1000.0 | 5.56 | 0.00 | -0.687 | 0.000000 |
| Nerle 220kV | 10/01/2020 07:15:00 | 30 | 18000.0 | 7630.0 | 9571.88 | 1941.88 | 10.79 | 0.00 | -2.658 | 0.000000 |
| Nerle 220kV | 10/01/2020 07:30:00 | 31 | 18000.0 | 7580.0 | 8825.0 | 1245.0 | 6.92 | 0.00 | -1.063 | 0.000000 |
| Nerle 220kV | 10/01/2020 07:45:00 | 32 | 18000.0 | 7312.5 | 9712.5 | 2400.0 | 13.33 | 0.00 | -2.658 | 0.000000 |
| Nerle 220kV | 10/01/2020 08:00:00 | 33 | 18000.0 | 7330.0 | 9465.62 | 2135.62 | 11.86 | 0.00 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nerle 220kV | 10/01/2020 08:15:00 | 34 | 18000.0 | 7155.0 | 9468.75 | 2313.75 | 12.85 | 0.00 | -4.661 | -304.085712 |
| Nerle 220kV | 10/01/2020 08:30:00 | 35 | 18000.0 | 7062.5 | 9518.75 | 2456.25 | 13.65 | 0.00 | 5.663 | 0.000000 |
| Nerle 220kV | 10/01/2020 08:45:00 | 36 | 18000.0 | 7090.0 | 8578.12 | 1488.12 | 8.27 | 0.00 | 4.328 | 0.000000 |
| Nerle 220kV | 10/01/2020 09:00:00 | 37 | 18000.0 | 6880.0 | 8153.12 | 1273.12 | 7.07 | 0.00 | -4.995 | -232.177111 |
| Nerle 220kV | 10/01/2020 09:15:00 | 38 | 18000.0 | 6802.5 | 9175.0 | 2372.5 | 13.18 | 0.00 | -4.327 | -310.147980 |
| Nerle 220kV | 10/01/2020 09:30:00 | 39 | 18000.0 | 6840.0 | 9106.25 | 2266.25 | 12.59 | 0.00 | -2.127 | -444.975228 |
| Nerle 220kV | 10/01/2020 09:45:00 | 40 | 18000.0 | 6630.0 | 8581.25 | 1951.25 | 10.84 | 0.00 | -1.152 | -365.812345 |
| Nerle 220kV | 10/01/2020 10:00:00 | 41 | 18000.0 | 6327.5 | 7875.0 | 1547.5 | 8.6 | 0.00 | 0.000 | 0.000000 |
| Nerle 220kV | 10/01/2020 10:15:00 | 42 | 18000.0 | 6082.5 | 7009.38 | 926.88 | 5.15 | 0.00 | -0.532 | -28.534229 |
| Nerle 220kV | 10/01/2020 10:30:00 | 43 | 18000.0 | 7085.0 | 6087.5 | -997.5 | 5.54 | 0.00 | -1.063 | 0.000000 |
| Nerle 220kV | 10/01/2020 10:45:00 | 44 | 18000.0 | 7037.5 | 5715.62 | -1321.88 | 7.34 | 0.00 | 0.000 | 0.000000 |
| Nerle 220kV | 10/01/2020 11:00:00 | 45 | 18000.0 | 6497.5 | 5665.62 | -831.88 | 4.62 | 0.00 | 2.658 | 0.000000 |
| Nerle 220kV | 10/01/2020 11:15:00 | 46 | 18000.0 | 6375.0 | 5134.38 | -1240.62 | 6.89 | 0.00 | 0.000 | 0.000000 |
| Nerle 220kV | 10/01/2020 11:30:00 | 47 | 18000.0 | 6042.5 | 5146.88 | -895.62 | 4.98 | 0.00 | -1.595 | 0.000000 |
| Nerle 220kV | 10/01/2020 11:45:00 | 48 | 18000.0 | 5675.0 | 5721.88 | 46.88 | 0.26 | 0.00 | 2.992 | 0.000000 |
| Nerle 220kV | 10/01/2020 12:00:00 | 49 | 18000.0 | 5287.5 | 5653.12 | 365.62 | 2.03 | 0.00 | 0.000 | 0.000000 |
| Nerle 220kV | 10/01/2020 12:15:00 | 50 | 18000.0 | 5027.5 | 5181.25 | 153.75 | 0.85 | 0.00 | 2.127 | 0.000000 |
| Nerle 220kV | 10/01/2020 12:30:00 | 51 | 18000.0 | 4832.5 | 4831.25 | -1.25 | 0.01 | 0.00 | 1.595 | 0.000000 |
| Nerle 220kV | 10/01/2020 12:45:00 | 52 | 18000.0 | 4385.0 | 5071.88 | 686.88 | 3.82 | 0.00 | -1.063 | -27.291205 |
| Nerle 220kV | 10/01/2020 13:00:00 | 53 | 18000.0 | 4082.5 | 4728.12 | 645.62 | 3.59 | 0.00 | 2.658 | 0.000000 |
| Nerle 220kV | 10/01/2020 13:15:00 | 54 | 18000.0 | 3805.0 | 4371.88 | 566.88 | 3.15 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nerle 220kV | 10/01/2020 13:30:00 | 55 | 18000.0 | 3802.5 | 4265.62 | 463.12 | 2.57 | 0.00 | 2.127 | 0.000000 |
| Nerle 220kV | 10/01/2020 13:45:00 | 56 | 18000.0 | 3555.0 | 3743.75 | 188.75 | 1.05 | 0.00 | -3.326 | -7.662245 |
| Nerle 220kV | 10/01/2020 14:00:00 | 57 | 18000.0 | 3302.5 | 3746.88 | 444.38 | 2.47 | 0.00 | -2.992 | -1.437362 |
| Nerle 220kV | 10/01/2020 14:15:00 | 58 | 18000.0 | 3027.5 | 3775.0 | 747.5 | 4.15 | 0.00 | 3.660 | 0.000000 |
| Nerle 220kV | 10/01/2020 14:30:00 | 59 | 18000.0 | 2785.0 | 4009.38 | 1224.38 | 6.8 | 0.00 | -2.127 | -73.061633 |
| Nerle 220kV | 10/01/2020 14:45:00 | 60 | 18000.0 | 2530.0 | 3521.88 | 991.88 | 5.51 | 0.00 | -2.127 | -23.059460 |
| Nerle 220kV | 10/01/2020 15:00:00 | 61 | 18000.0 | 2452.5 | 3203.12 | 750.62 | 4.17 | 0.00 | 0.000 | 0.000000 |
| Nerle 220kV | 10/01/2020 15:15:00 | 62 | 18000.0 | 2387.5 | 3046.88 | 659.38 | 3.66 | 0.00 | -2.992 | -79.974811 |
| Nerle 220kV | 10/01/2020 15:30:00 | 63 | 18000.0 | 2377.5 | 3393.75 | 1016.25 | 5.65 | 0.00 | -4.995 | -436.583566 |
| Nerle 220kV | 10/01/2020 15:45:00 | 64 | 18000.0 | 2452.5 | 3125.0 | 672.5 | 3.74 | 0.00 | -4.327 | -181.727988 |
| Nerle 220kV | 10/01/2020 16:00:00 | 65 | 18000.0 | 2522.5 | 2631.25 | 108.75 | 0.6 | 0.00 | -4.995 | -4.050447 |
| Nerle 220kV | 10/01/2020 16:15:00 | 66 | 18000.0 | 2402.5 | 2112.5 | -290.0 | 1.61 | 0.00 | -8.000 | 0.000000 |
| Nerle 220kV | 10/01/2020 16:30:00 | 67 | 18000.0 | 2420.0 | 2103.12 | -316.88 | 1.76 | 0.00 | -8.000 | 0.000000 |
| Nerle 220kV | 10/01/2020 16:45:00 | 68 | 18000.0 | 2415.0 | 1859.38 | -555.62 | 3.09 | 0.00 | 4.327 | 0.000000 |
| Nerle 220kV | 10/01/2020 17:00:00 | 69 | 18000.0 | 2490.0 | 1637.5 | -852.5 | 4.74 | 0.00 | 0.532 | 0.000000 |
| Nerle 220kV | 10/01/2020 17:15:00 | 70 | 18000.0 | 2447.5 | 1343.75 | -1103.75 | 6.13 | 0.00 | -1.595 | 0.000000 |
| Nerle 220kV | 10/01/2020 17:30:00 | 71 | 18000.0 | 2420.0 | 1653.12 | -766.88 | 4.26 | 0.00 | -2.658 | 0.000000 |
| Nerle 220kV | 10/01/2020 17:45:00 | 72 | 18000.0 | 2415.0 | 2321.88 | -93.12 | 0.52 | 0.00 | -2.127 | 0.000000 |
| Nerle 220kV | 10/01/2020 18:00:00 | 73 | 18000.0 | 2490.0 | 2543.75 | 53.75 | 0.3 | 0.00 | -1.461 | 0.000000 |
| Nerle 220kV | 10/01/2020 18:15:00 | 74 | 18000.0 | 2447.5 | 2965.62 | 518.12 | 2.88 | 0.00 | 3.326 | 0.000000 |
| Nerle 220kV | 10/01/2020 18:30:00 | 75 | 18000.0 | 2387.5 | 3121.88 | 734.38 | 4.08 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nerle 220kV | 10/01/2020 18:45:00 | 76 | 18000.0 | 2452.5 | 2909.38 | 456.88 | 2.54 | 0.00 | 3.994 | 0.000000 |
| Nerle 220kV | 10/01/2020 19:00:00 | 77 | 18000.0 | 2387.5 | 2556.25 | 168.75 | 0.94 | 0.00 | -2.127 | 0.000000 |
| Nerle 220kV | 10/01/2020 19:15:00 | 78 | 18000.0 | 2377.5 | 2118.75 | -258.75 | 1.44 | 0.00 | -2.658 | 0.000000 |
| Nerle 220kV | 10/01/2020 19:30:00 | 79 | 18000.0 | 2452.5 | 2093.75 | -358.75 | 1.99 | 0.00 | -3.660 | 0.000000 |
| Nerle 220kV | 10/01/2020 19:45:00 | 80 | 18000.0 | 2522.5 | 1959.38 | -563.12 | 3.13 | 0.00 | -3.326 | 0.000000 |
| Nerle 220kV | 10/01/2020 20:00:00 | 81 | 18000.0 | 2402.5 | 1784.38 | -618.12 | 3.43 | 0.00 | 3.660 | 150.678398 |
| Nerle 220kV | 10/01/2020 20:15:00 | 82 | 18000.0 | 2420.0 | 1731.25 | -688.75 | 3.83 | 0.00 | 3.660 | 721.018972 |
| Nerle 220kV | 10/01/2020 20:30:00 | 83 | 18000.0 | 2420.0 | 1996.88 | -423.12 | 2.35 | 0.00 | 4.995 | 628.824495 |
| Nerle 220kV | 10/01/2020 20:45:00 | 84 | 18000.0 | 2415.0 | 2146.88 | -268.12 | 1.49 | 0.00 | 2.992 | 281.775210 |
| Nerle 220kV | 10/01/2020 21:00:00 | 85 | 18000.0 | 3490.0 | 1968.75 | -1521.25 | 8.45 | 0.00 | -3.660 | 0.000000 |
| Nerle 220kV | 10/01/2020 21:15:00 | 86 | 18000.0 | 3447.5 | 1721.88 | -1725.62 | 9.59 | 0.00 | -1.595 | 0.000000 |
| Nerle 220kV | 10/01/2020 21:30:00 | 87 | 18000.0 | 3387.5 | 1543.75 | -1843.75 | 10.24 | 0.00 | -1.063 | 0.000000 |
| Nerle 220kV | 10/01/2020 21:45:00 | 88 | 18000.0 | 3452.5 | 1581.25 | -1871.25 | 10.4 | 0.00 | -0.532 | 0.000000 |
| Nerle 220kV | 10/01/2020 22:00:00 | 89 | 18000.0 | 3387.5 | 1665.62 | -1721.88 | 9.57 | 0.00 | -1.595 | 0.000000 |
| Nerle 220kV | 10/01/2020 22:15:00 | 90 | 18000.0 | 3377.5 | 1634.38 | -1743.12 | 9.68 | 0.00 | -2.127 | 0.000000 |
| Nerle 220kV | 10/01/2020 22:30:00 | 91 | 18000.0 | 2830.0 | 1859.38 | -970.62 | 5.39 | 0.00 | 1.063 | 0.000000 |
| Nerle 220kV | 10/01/2020 22:45:00 | 92 | 18000.0 | 2995.0 | 2037.5 | -957.5 | 5.32 | 0.00 | -2.658 | 0.000000 |
| Nerle 220kV | 10/01/2020 23:00:00 | 93 | 18000.0 | 3062.5 | 2500.0 | -562.5 | 3.12 | 0.00 | -2.658 | 0.000000 |
| Nerle 220kV | 10/01/2020 23:15:00 | 94 | 18000.0 | 3170.0 | 2384.38 | -785.62 | 4.36 | 0.00 | 0.000 | 0.000000 |
| Nerle 220kV | 10/01/2020 23:30:00 | 95 | 18000.0 | 3307.5 | 2443.75 | -863.75 | 4.8 | 0.00 | 0.000 | 0.000000 |
| Nerle 220kV | 10/01/2020 23:45:00 | 96 | 18000.0 | 3460.0 | 2403.12 | -1056.88 | 5.87 | 0.00 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nerle 220kV | 11/01/2020 00:00:00 | 1 | 18000.0 | 2547.5 | 2318.75 | -228.75 | 1.27 | 0.00 | 0.000 | 0.000000 |
| Nerle 220kV | 11/01/2020 00:15:00 | 2 | 18000.0 | 2592.5 | 2237.5 | -355.0 | 1.97 | 0.00 | -2.629 | 0.000000 |
| Nerle 220kV | 11/01/2020 00:30:00 | 3 | 18000.0 | 2635.0 | 2190.62 | -444.38 | 2.47 | 0.00 | -1.577 | 0.000000 |
| Nerle 220kV | 11/01/2020 00:45:00 | 4 | 18000.0 | 2597.5 | 2406.25 | -191.25 | 1.06 | 0.00 | 2.103 | 0.000000 |
| Nerle 220kV | 11/01/2020 01:00:00 | 5 | 18000.0 | 2567.5 | 2653.12 | 85.62 | 0.48 | 0.00 | 2.964 | 0.000000 |
| Nerle 220kV | 11/01/2020 01:15:00 | 6 | 18000.0 | 2517.5 | 2703.12 | 185.62 | 1.03 | 0.00 | 1.052 | 0.000000 |
| Nerle 220kV | 11/01/2020 01:30:00 | 7 | 18000.0 | 2687.5 | 2971.88 | 284.38 | 1.58 | 0.00 | 1.577 | 0.000000 |
| Nerle 220kV | 11/01/2020 01:45:00 | 8 | 18000.0 | 2635.0 | 3996.88 | 1361.88 | 7.57 | 0.00 | -0.526 | 0.000000 |
| Nerle 220kV | 11/01/2020 02:00:00 | 9 | 18000.0 | 2597.5 | 6903.12 | 4305.62 | 23.92 | 802.81 | -0.403 | 0.000000 |
| Nerle 220kV | 11/01/2020 02:15:00 | 10 | 18000.0 | 2567.5 | 7415.62 | 4848.12 | 26.93 | 1248.12 | -0.630 | 0.000000 |
| Nerle 220kV | 11/01/2020 02:30:00 | 11 | 18000.0 | 2517.5 | 6959.38 | 4441.88 | 24.68 | 870.94 | -0.526 | 0.000000 |
| Nerle 220kV | 11/01/2020 02:45:00 | 12 | 18000.0 | 3482.5 | 5193.75 | 1711.25 | 9.51 | 0.00 | -0.526 | -81.490980 |
| Nerle 220kV | 11/01/2020 03:00:00 | 13 | 18000.0 | 3635.0 | 4243.75 | 608.75 | 3.38 | 0.00 | -1.051 | 0.000000 |
| Nerle 220kV | 11/01/2020 03:15:00 | 14 | 18000.0 | 3597.5 | 4150.0 | 552.5 | 3.07 | 0.00 | 0.000 | 0.000000 |
| Nerle 220kV | 11/01/2020 03:30:00 | 15 | 18000.0 | 3567.5 | 4709.38 | 1141.88 | 6.34 | 0.00 | 0.000 | 0.000000 |
| Nerle 220kV | 11/01/2020 03:45:00 | 16 | 18000.0 | 3517.5 | 4940.62 | 1423.12 | 7.91 | 0.00 | 0.000 | 0.000000 |
| Nerle 220kV | 11/01/2020 04:00:00 | 17 | 18000.0 | 3487.5 | 4106.25 | 618.75 | 3.44 | 0.00 | 0.000 | 0.000000 |
| Nerle 220kV | 11/01/2020 04:15:00 | 18 | 18000.0 | 5580.0 | 4015.62 | -1564.38 | 8.69 | 0.00 | -1.051 | 0.000000 |
| Nerle 220kV | 11/01/2020 04:30:00 | 19 | 18000.0 | 5562.5 | 3225.0 | -2337.5 | 12.99 | 0.00 | -2.964 | 0.000000 |
| Nerle 220kV | 11/01/2020 04:45:00 | 20 | 18000.0 | 5330.0 | 2634.38 | -2695.62 | 14.98 | 0.00 | -3.300 | 0.000000 |
| Nerle 220kV | 11/01/2020 05:00:00 | 21 | 18000.0 | 5312.5 | 2309.38 | -3003.12 | 16.68 | 151.56 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nerle 220kV | 11/01/2020 05:15:00 | 22 | 18000.0 | 5155.0 | 2037.5 | -3117.5 | 17.32 | 208.75 | 5.314 | 3906.209593 |
| Nerle 220kV | 11/01/2020 05:30:00 | 23 | 18000.0 | 5087.5 | 2175.0 | -2912.5 | 16.18 | 106.25 | 2.964 | 1763.376895 |
| Nerle 220kV | 11/01/2020 05:45:00 | 24 | 18000.0 | 5025.0 | 3418.75 | -1606.25 | 8.92 | 0.00 | 2.103 | 0.000000 |
| Nerle 220kV | 11/01/2020 06:00:00 | 25 | 18000.0 | 4912.5 | 5290.62 | 378.12 | 2.1 | 0.00 | 3.636 | 0.000000 |
| Nerle 220kV | 11/01/2020 06:15:00 | 26 | 18000.0 | 4630.0 | 6528.12 | 1898.12 | 10.55 | 0.00 | 2.964 | 0.000000 |
| Nerle 220kV | 11/01/2020 06:30:00 | 27 | 18000.0 | 2547.5 | 5515.62 | 2968.12 | 16.49 | 134.06 | 4.105 | 0.000000 |
| Nerle 220kV | 11/01/2020 06:45:00 | 28 | 18000.0 | 2592.5 | 4993.75 | 2401.25 | 13.34 | 0.00 | 5.650 | 0.000000 |
| Nerle 220kV | 11/01/2020 07:00:00 | 29 | 18000.0 | 2635.0 | 5053.12 | 2418.12 | 13.43 | 0.00 | 3.300 | 0.000000 |
| Nerle 220kV | 11/01/2020 07:15:00 | 30 | 18000.0 | 2597.5 | 4831.25 | 2233.75 | 12.41 | 0.00 | 5.314 | 0.000000 |
| Nerle 220kV | 11/01/2020 07:30:00 | 31 | 18000.0 | 2567.5 | 5046.88 | 2479.38 | 13.77 | 0.00 | 2.964 | 0.000000 |
| Nerle 220kV | 11/01/2020 07:45:00 | 32 | 18000.0 | 2517.5 | 5171.88 | 2654.38 | 14.75 | 0.00 | 2.103 | 0.000000 |
| Nerle 220kV | 11/01/2020 08:00:00 | 33 | 18000.0 | 2687.5 | 4656.25 | 1968.75 | 10.94 | 0.00 | -1.577 | -70.538729 |
| Nerle 220kV | 11/01/2020 08:15:00 | 34 | 18000.0 | 2635.0 | 4221.88 | 1586.88 | 8.82 | 0.00 | 3.300 | 0.000000 |
| Nerle 220kV | 11/01/2020 08:30:00 | 35 | 18000.0 | 2597.5 | 3159.38 | 561.88 | 3.12 | 0.00 | 2.116 | 0.000000 |
| Nerle 220kV | 11/01/2020 08:45:00 | 36 | 18000.0 | 2567.5 | 2478.12 | -89.38 | 0.5 | 0.00 | 2.964 | 0.000000 |
| Nerle 220kV | 11/01/2020 09:00:00 | 37 | 18000.0 | 2547.5 | 2559.38 | 11.88 | 0.07 | 0.00 | 6.681 | 0.000000 |
| Nerle 220kV | 11/01/2020 09:15:00 | 38 | 18000.0 | 2592.5 | 3446.88 | 854.38 | 4.75 | 0.00 | 6.657 | 0.000000 |
| Nerle 220kV | 11/01/2020 09:30:00 | 39 | 18000.0 | 2635.0 | 4218.75 | 1583.75 | 8.8 | 0.00 | -6.322 | -816.554121 |
| Nerle 220kV | 11/01/2020 09:45:00 | 40 | 18000.0 | 2597.5 | 3700.0 | 1102.5 | 6.12 | 0.00 | -2.103 | -79.264270 |
| Nerle 220kV | 11/01/2020 10:00:00 | 41 | 18000.0 | 2567.5 | 3468.75 | 901.25 | 5.01 | 0.00 | 0.526 | 0.000000 |
| Nerle 220kV | 11/01/2020 10:15:00 | 42 | 18000.0 | 2517.5 | 3062.5 | 545.0 | 3.03 | 0.00 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nerle 220kV | 11/01/2020 10:30:00 | 43 | 18000.0 | 2687.5 | 2937.5 | 250.0 | 1.39 | 0.00 | 0.000 | 0.000000 |
| Nerle 220kV | 11/01/2020 10:45:00 | 44 | 18000.0 | 2635.0 | 3165.62 | 530.62 | 2.95 | 0.00 | 0.000 | 0.000000 |
| Nerle 220kV | 11/01/2020 11:00:00 | 45 | 18000.0 | 2597.5 | 3021.88 | 424.38 | 2.36 | 0.00 | 0.000 | 0.000000 |
| Nerle 220kV | 11/01/2020 11:15:00 | 46 | 18000.0 | 2567.5 | 2718.75 | 151.25 | 0.84 | 0.00 | -2.964 | -17.062673 |
| Nerle 220kV | 11/01/2020 11:30:00 | 47 | 18000.0 | 2552.5 | 2940.62 | 388.12 | 2.16 | 0.00 | -4.307 | -95.033376 |
| Nerle 220kV | 11/01/2020 11:45:00 | 48 | 18000.0 | 2622.5 | 2953.12 | 330.62 | 1.84 | 0.00 | -3.300 | -46.435568 |
| Nerle 220kV | 11/01/2020 12:00:00 | 49 | 18000.0 | 2502.5 | 2693.75 | 191.25 | 1.06 | 0.00 | -0.526 | -0.753606 |
| Nerle 220kV | 11/01/2020 12:15:00 | 50 | 18000.0 | 2520.0 | 2312.5 | -207.5 | 1.15 | 0.00 | -2.103 | 0.000000 |
| Nerle 220kV | 11/01/2020 12:30:00 | 51 | 18000.0 | 2515.0 | 2112.5 | -402.5 | 2.24 | 0.00 | -2.629 | 0.000000 |
| Nerle 220kV | 11/01/2020 12:45:00 | 52 | 18000.0 | 2590.0 | 1993.75 | -596.25 | 3.31 | 0.00 | -2.629 | 0.000000 |
| Nerle 220kV | 11/01/2020 13:00:00 | 53 | 18000.0 | 2547.5 | 1950.0 | -597.5 | 3.32 | 0.00 | 0.000 | 0.000000 |
| Nerle 220kV | 11/01/2020 13:15:00 | 54 | 18000.0 | 2592.5 | 1896.88 | -695.62 | 3.86 | 0.00 | -2.103 | 0.000000 |
| Nerle 220kV | 11/01/2020 13:30:00 | 55 | 18000.0 | 2635.0 | 1812.5 | -822.5 | 4.57 | 0.00 | 2.629 | 0.000000 |
| Nerle 220kV | 11/01/2020 13:45:00 | 56 | 18000.0 | 2597.5 | 1712.5 | -885.0 | 4.92 | 0.00 | 2.103 | 0.000000 |
| Nerle 220kV | 11/01/2020 14:00:00 | 57 | 18000.0 | 2567.5 | 1628.12 | -939.38 | 5.22 | 0.00 | 1.051 | 0.000000 |
| Nerle 220kV | 11/01/2020 14:15:00 | 58 | 18000.0 | 2517.5 | 1365.62 | -1151.88 | 6.4 | 0.00 | 3.300 | 0.000000 |
| Nerle 220kV | 11/01/2020 14:30:00 | 59 | 18000.0 | 2687.5 | 1084.38 | -1603.12 | 8.91 | 0.00 | -3.636 | 0.000000 |
| Nerle 220kV | 11/01/2020 14:45:00 | 60 | 18000.0 | 2635.0 | 818.75 | -1816.25 | 10.09 | 0.00 | 4.979 | 0.000000 |
| Nerle 220kV | 11/01/2020 15:00:00 | 61 | 18000.0 | 2597.5 | 387.5 | -2210.0 | 12.28 | 0.00 | -2.964 | 0.000000 |
| Nerle 220kV | 11/01/2020 15:15:00 | 62 | 18000.0 | 2567.5 | 181.25 | -2386.25 | 13.26 | 0.00 | -5.314 | 0.000000 |
| Nerle 220kV | 11/01/2020 15:30:00 | 63 | 18000.0 | 2517.5 | 181.25 | -2336.25 | 12.98 | 0.00 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nerle 220kV | 11/01/2020 15:45:00 | 64 | 18000.0 | 2562.5 | 100.0 | -2462.5 | 13.68 | 0.00 | 4.643 | 0.000000 |
| Nerle 220kV | 11/01/2020 16:00:00 | 65 | 18000.0 | 2635.0 | 100.0 | -2535.0 | 14.08 | 0.00 | 2.103 | 0.000000 |
| Nerle 220kV | 11/01/2020 16:15:00 | 66 | 18000.0 | 2597.5 | 137.5 | -2460.0 | 13.67 | 0.00 | -2.964 | 0.000000 |
| Nerle 220kV | 11/01/2020 16:30:00 | 67 | 18000.0 | 2567.5 | 18.75 | -2548.75 | 14.16 | 0.00 | -2.103 | 0.000000 |
| Nerle 220kV | 11/01/2020 16:45:00 | 68 | 18000.0 | 2517.5 | 15.62 | -2501.88 | 13.9 | 0.00 | 3.972 | 0.000000 |
| Nerle 220kV | 11/01/2020 17:00:00 | 69 | 18000.0 | 2487.5 | 31.25 | -2456.25 | 13.65 | 0.00 | -1.577 | 0.000000 |
| Nerle 220kV | 11/01/2020 17:15:00 | 70 | 18000.0 | 2552.5 | 28.12 | -2524.38 | 14.02 | 0.00 | -1.577 | 0.000000 |
| Nerle 220kV | 11/01/2020 17:30:00 | 71 | 18000.0 | 2682.5 | 168.75 | -2513.75 | 13.97 | 0.00 | 1.051 | 32.073803 |
| Nerle 220kV | 11/01/2020 17:45:00 | 72 | 18000.0 | 2477.5 | 390.62 | -2086.88 | 11.59 | 0.00 | -2.103 | 0.000000 |
| Nerle 220kV | 11/01/2020 18:00:00 | 73 | 18000.0 | 2552.5 | 371.88 | -2180.62 | 12.11 | 0.00 | -2.964 | 0.000000 |
| Nerle 220kV | 11/01/2020 18:15:00 | 74 | 18000.0 | 2622.5 | 312.5 | -2310.0 | 12.83 | 0.00 | -2.629 | 0.000000 |
| Nerle 220kV | 11/01/2020 18:30:00 | 75 | 18000.0 | 2502.5 | 137.5 | -2365.0 | 13.14 | 0.00 | 2.103 | 83.135648 |
| Nerle 220kV | 11/01/2020 18:45:00 | 76 | 18000.0 | 2520.0 | 12.5 | -2507.5 | 13.93 | 0.00 | 0.526 | 258.089031 |
| Nerle 220kV | 11/01/2020 19:00:00 | 77 | 18000.0 | 2515.0 | 0.0 | -2515.0 | 13.97 | 0.00 | 2.103 | 1028.123313 |
| Nerle 220kV | 11/01/2020 19:15:00 | 78 | 18000.0 | 2590.0 | 0.0 | -2590.0 | 14.39 | 0.00 | -1.052 | 0.000000 |
| Nerle 220kV | 11/01/2020 19:30:00 | 79 | 18000.0 | 2547.5 | 0.0 | -2547.5 | 14.15 | 0.00 | 2.964 | 0.000000 |
| Nerle 220kV | 11/01/2020 19:45:00 | 80 | 18000.0 | 2592.5 | 0.0 | -2592.5 | 14.4 | 0.00 | 2.629 | 1928.397170 |
| Nerle 220kV | 11/01/2020 20:00:00 | 81 | 18000.0 | 2635.0 | 0.0 | -2635.0 | 14.64 | 0.00 | 2.629 | 428.531929 |
| Nerle 220kV | 11/01/2020 20:15:00 | 82 | 18000.0 | 2597.5 | 0.0 | -2597.5 | 14.43 | 0.00 | 4.307 | 1392.975196 |
| Nerle 220kV | 11/01/2020 20:30:00 | 83 | 18000.0 | 2567.5 | 0.0 | -2567.5 | 14.26 | 0.00 | 2.964 | 3530.341121 |
| Nerle 220kV | 11/01/2020 20:45:00 | 84 | 18000.0 | 2517.5 | 0.0 | -2517.5 | 13.99 | 0.00 | 2.629 | 2971.412461 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nerle 220kV | 11/01/2020 21:00:00 | 85 | 18000.0 | 2687.5 | 0.0 | -2687.5 | 14.93 | 0.00 | 3.636 | 576.114074 |
| Nerle 220kV | 11/01/2020 21:15:00 | 86 | 18000.0 | 2635.0 | 0.0 | -2635.0 | 14.64 | 0.00 | -1.577 | 0.000000 |
| Nerle 220kV | 11/01/2020 21:30:00 | 87 | 18000.0 | 2597.5 | 0.0 | -2597.5 | 14.43 | 0.00 | -1.577 | 0.000000 |
| Nerle 220kV | 11/01/2020 21:45:00 | 88 | 18000.0 | 2567.5 | 0.0 | -2567.5 | 14.26 | 0.00 | -1.052 | 0.000000 |
| Nerle 220kV | 11/01/2020 22:00:00 | 89 | 18000.0 | 2517.5 | 15.62 | -2501.88 | 13.9 | 0.00 | -5.650 | 0.000000 |
| Nerle 220kV | 11/01/2020 22:15:00 | 90 | 18000.0 | 2482.5 | 165.62 | -2316.88 | 12.87 | 0.00 | -5.650 | 0.000000 |
| Nerle 220kV | 11/01/2020 22:30:00 | 91 | 18000.0 | 2635.0 | 496.88 | -2138.12 | 11.88 | 0.00 | 4.979 | 1030.908685 |
| Nerle 220kV | 11/01/2020 22:45:00 | 92 | 18000.0 | 2597.5 | 365.62 | -2231.88 | 12.4 | 0.00 | 2.964 | 1401.582443 |
| Nerle 220kV | 11/01/2020 23:00:00 | 93 | 18000.0 | 2567.5 | 96.88 | -2470.62 | 13.73 | 0.00 | 1.577 | 386.325278 |
| Nerle 220kV | 11/01/2020 23:15:00 | 94 | 18000.0 | 2517.5 | 121.88 | -2395.62 | 13.31 | 0.00 | 1.074 | 306.399078 |
| Nerle 220kV | 11/01/2020 23:30:00 | 95 | 18000.0 | 2487.5 | 40.62 | -2446.88 | 13.59 | 0.00 | 2.113 | 1410.598010 |
| Nerle 220kV | 11/01/2020 23:45:00 | 96 | 18000.0 | 2552.5 | 65.62 | -2486.88 | 13.82 | 0.00 | 2.162 | 1848.260031 |
| Nerle 220kV | 12/01/2020 00:00:00 | 1 | 18000.0 | 2547.5 | 221.88 | -2325.62 | 12.92 | 0.00 | 3.022 | 1430.414055 |
| Nerle 220kV | 12/01/2020 00:15:00 | 2 | 18000.0 | 2592.5 | 559.38 | -2033.12 | 11.3 | 0.00 | -2.152 | 0.000000 |
| Nerle 220kV | 12/01/2020 00:30:00 | 3 | 18000.0 | 2635.0 | 881.25 | -1753.75 | 9.74 | 0.00 | -2.152 | 0.000000 |
| Nerle 220kV | 12/01/2020 00:45:00 | 4 | 18000.0 | 2597.5 | 1153.12 | -1444.38 | 8.02 | 0.00 | -3.022 | 0.000000 |
| Nerle 220kV | 12/01/2020 01:00:00 | 5 | 18000.0 | 2567.5 | 1156.25 | -1411.25 | 7.84 | 0.00 | -0.629 | 0.000000 |
| Nerle 220kV | 12/01/2020 01:15:00 | 6 | 18000.0 | 2517.5 | 906.25 | -1611.25 | 8.95 | 0.00 | -3.317 | 0.000000 |
| Nerle 220kV | 12/01/2020 01:30:00 | 7 | 18000.0 | 2687.5 | 987.5 | -1700.0 | 9.44 | 0.00 | -3.354 | 0.000000 |
| Nerle 220kV | 12/01/2020 01:45:00 | 8 | 18000.0 | 2635.0 | 1312.5 | -1322.5 | 7.35 | 0.00 | -3.022 | 0.000000 |
| Nerle 220kV | 12/01/2020 02:00:00 | 9 | 18000.0 | 2597.5 | 1834.38 | -763.12 | 4.24 | 0.00 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nerle 220kV | 12/01/2020 02:15:00 | 10 | 18000.0 | 2567.5 | 2343.75 | -223.75 | 1.24 | 0.00 | -3.022 | 0.000000 |
| Nerle 220kV | 12/01/2020 02:30:00 | 11 | 18000.0 | 2517.5 | 2443.75 | -73.75 | 0.41 | 0.00 | -2.690 | 0.000000 |
| Nerle 220kV | 12/01/2020 02:45:00 | 12 | 18000.0 | 2482.5 | 2409.38 | -73.12 | 0.41 | 0.00 | -3.022 | 0.000000 |
| Nerle 220kV | 12/01/2020 03:00:00 | 13 | 18000.0 | 2635.0 | 3025.0 | 390.0 | 2.17 | 0.00 | 3.354 | 0.000000 |
| Nerle 220kV | 12/01/2020 03:15:00 | 14 | 18000.0 | 2597.5 | 3009.38 | 411.88 | 2.29 | 0.00 | 3.022 | 0.000000 |
| Nerle 220kV | 12/01/2020 03:30:00 | 15 | 18000.0 | 2567.5 | 2493.75 | -73.75 | 0.41 | 0.00 | 3.354 | 15.883503 |
| Nerle 220kV | 12/01/2020 03:45:00 | 16 | 18000.0 | 2517.5 | 1937.5 | -580.0 | 3.22 | 0.00 | 2.152 | 0.000000 |
| Nerle 220kV | 12/01/2020 04:00:00 | 17 | 18000.0 | 3080.0 | 2031.25 | -1048.75 | 5.83 | 0.00 | -2.152 | 0.000000 |
| Nerle 220kV | 12/01/2020 04:15:00 | 18 | 18000.0 | 3062.5 | 2553.12 | -509.38 | 2.83 | 0.00 | -3.022 | 0.000000 |
| Nerle 220kV | 12/01/2020 04:30:00 | 19 | 18000.0 | 3037.5 | 2846.88 | -190.62 | 1.06 | 0.00 | 1.076 | 0.000000 |
| Nerle 220kV | 12/01/2020 04:45:00 | 20 | 18000.0 | 3080.0 | 3378.12 | 298.12 | 1.66 | 0.00 | -3.022 | 0.000000 |
| Nerle 220kV | 12/01/2020 05:00:00 | 21 | 18000.0 | 3052.5 | 2946.88 | -105.62 | 0.59 | 0.00 | 3.686 | 0.000000 |
| Nerle 220kV | 12/01/2020 05:15:00 | 22 | 18000.0 | 2880.0 | 2565.62 | -314.38 | 1.75 | 0.00 | 3.686 | 346.846182 |
| Nerle 220kV | 12/01/2020 05:30:00 | 23 | 18000.0 | 2830.0 | 2040.62 | -789.38 | 4.39 | 0.00 | -1.614 | 0.000000 |
| Nerle 220kV | 12/01/2020 05:45:00 | 24 | 18000.0 | 2812.5 | 2259.38 | -553.12 | 3.07 | 0.00 | -0.496 | 0.000000 |
| Nerle 220kV | 12/01/2020 06:00:00 | 25 | 18000.0 | 2775.0 | 2228.12 | -546.88 | 3.04 | 0.00 | 0.000 | 0.000000 |
| Nerle 220kV | 12/01/2020 06:15:00 | 26 | 18000.0 | 2785.0 | 1712.5 | -1072.5 | 5.96 | 0.00 | -0.430 | 0.000000 |
| Nerle 220kV | 12/01/2020 06:30:00 | 27 | 18000.0 | 2662.5 | 1981.25 | -681.25 | 3.78 | 0.00 | -2.152 | 0.000000 |
| Nerle 220kV | 12/01/2020 06:45:00 | 28 | 18000.0 | 2592.5 | 1731.25 | -861.25 | 4.78 | 0.00 | 4.681 | 0.000000 |
| Nerle 220kV | 12/01/2020 07:00:00 | 29 | 18000.0 | 2635.0 | 1478.12 | -1156.88 | 6.43 | 0.00 | 1.614 | 0.000000 |
| Nerle 220kV | 12/01/2020 07:15:00 | 30 | 18000.0 | 2597.5 | 1259.38 | -1338.12 | 7.43 | 0.00 | 3.838 | 1107.503586 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nerle 220kV | 12/01/2020 07:30:00 | 31 | 18000.0 | 2567.5 | 1321.88 | -1245.62 | 6.92 | 0.00 | 3.022 | 0.000000 |
| Nerle 220kV | 12/01/2020 07:45:00 | 32 | 18000.0 | 2517.5 | 1184.38 | -1333.12 | 7.41 | 0.00 | 2.690 | 0.000000 |
| Nerle 220kV | 12/01/2020 08:00:00 | 33 | 18000.0 | 2687.5 | 975.0 | -1712.5 | 9.51 | 0.00 | -2.690 | 0.000000 |
| Nerle 220kV | 12/01/2020 08:15:00 | 34 | 18000.0 | 2635.0 | 818.75 | -1816.25 | 10.09 | 0.00 | -4.018 | 0.000000 |
| Nerle 220kV | 12/01/2020 08:30:00 | 35 | 18000.0 | 2597.5 | 965.62 | -1631.88 | 9.07 | 0.00 | -2.690 | 0.000000 |
| Nerle 220kV | 12/01/2020 08:45:00 | 36 | 18000.0 | 2567.5 | 1350.0 | -1217.5 | 6.76 | 0.00 | 3.022 | 0.000000 |
| Nerle 220kV | 12/01/2020 09:00:00 | 37 | 18000.0 | 2517.5 | 1615.62 | -901.88 | 5.01 | 0.00 | -3.354 | 0.000000 |
| Nerle 220kV | 12/01/2020 09:15:00 | 38 | 18000.0 | 2482.5 | 1343.75 | -1138.75 | 6.33 | 0.00 | -4.350 | 0.000000 |
| Nerle 220kV | 12/01/2020 09:30:00 | 39 | 18000.0 | 2635.0 | 1712.5 | -922.5 | 5.12 | 0.00 | 2.152 | 0.000000 |
| Nerle 220kV | 12/01/2020 09:45:00 | 40 | 18000.0 | 2597.5 | 1843.75 | -753.75 | 4.19 | 0.00 | -2.690 | 0.000000 |
| Nerle 220kV | 12/01/2020 10:00:00 | 41 | 18000.0 | 2567.5 | 2328.12 | -239.38 | 1.33 | 0.00 | -3.354 | 0.000000 |
| Nerle 220kV | 12/01/2020 10:15:00 | 42 | 18000.0 | 2517.5 | 2975.0 | 457.5 | 2.54 | 0.00 | -3.686 | -24.177568 |
| Nerle 220kV | 12/01/2020 10:30:00 | 43 | 18000.0 | 2547.5 | 3693.75 | 1146.25 | 6.37 | 0.00 | -1.614 | -38.508900 |
| Nerle 220kV | 12/01/2020 10:45:00 | 44 | 18000.0 | 2592.5 | 4353.12 | 1760.62 | 9.78 | 0.00 | 3.686 | 0.000000 |
| Nerle 220kV | 12/01/2020 11:00:00 | 45 | 18000.0 | 2635.0 | 4146.88 | 1511.88 | 8.4 | 0.00 | -3.354 | -225.024868 |
| Nerle 220kV | 12/01/2020 11:15:00 | 46 | 18000.0 | 2597.5 | 3153.12 | 555.62 | 3.09 | 0.00 | -5.450 | -244.645897 |
| Nerle 220kV | 12/01/2020 11:30:00 | 47 | 18000.0 | 2567.5 | 2190.62 | -376.88 | 2.09 | 0.00 | -6.009 | 0.000000 |
| Nerle 220kV | 12/01/2020 11:45:00 | 48 | 18000.0 | 2517.5 | 1828.12 | -689.38 | 3.83 | 0.00 | 2.690 | 0.000000 |
| Nerle 220kV | 12/01/2020 12:00:00 | 49 | 18000.0 | 2687.5 | 1556.25 | -1131.25 | 6.28 | 0.00 | 3.686 | 0.000000 |
| Nerle 220kV | 12/01/2020 12:15:00 | 50 | 18000.0 | 2635.0 | 1125.0 | -1510.0 | 8.39 | 0.00 | -5.345 | 0.000000 |
| Nerle 220kV | 12/01/2020 12:30:00 | 51 | 18000.0 | 2515.0 | 1046.88 | -1468.12 | 8.16 | 0.00 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nerle 220kV | 12/01/2020 12:45:00 | 52 | 18000.0 | 2590.0 | 868.75 | -1721.25 | 9.56 | 0.00 | -5.345 | 0.000000 |
| Nerle 220kV | 12/01/2020 13:00:00 | 53 | 18000.0 | 2547.5 | 981.25 | -1566.25 | 8.7 | 0.00 | -3.999 | 0.000000 |
| Nerle 220kV | 12/01/2020 13:15:00 | 54 | 18000.0 | 2592.5 | 968.75 | -1623.75 | 9.02 | 0.00 | -4.350 | 0.000000 |
| Nerle 220kV | 12/01/2020 13:30:00 | 55 | 18000.0 | 2635.0 | 484.38 | -2150.62 | 11.95 | 0.00 | -1.076 | 0.000000 |
| Nerle 220kV | 12/01/2020 13:45:00 | 56 | 18000.0 | 2597.5 | 356.25 | -2241.25 | 12.45 | 0.00 | -2.690 | 0.000000 |
| Nerle 220kV | 12/01/2020 14:00:00 | 57 | 18000.0 | 2567.5 | 253.12 | -2314.38 | 12.86 | 0.00 | -0.538 | 0.000000 |
| Nerle 220kV | 12/01/2020 14:15:00 | 58 | 18000.0 | 2517.5 | 221.88 | -2295.62 | 12.75 | 0.00 | -2.152 | 0.000000 |
| Nerle 220kV | 12/01/2020 14:30:00 | 59 | 18000.0 | 2687.5 | 84.38 | -2603.12 | 14.46 | 0.00 | -2.690 | 0.000000 |
| Nerle 220kV | 12/01/2020 14:45:00 | 60 | 18000.0 | 2635.0 | 12.5 | -2622.5 | 14.57 | 0.00 | -1.076 | 0.000000 |
| Nerle 220kV | 12/01/2020 15:00:00 | 61 | 18000.0 | 2597.5 | 18.75 | -2578.75 | 14.33 | 0.00 | 0.000 | 0.000000 |
| Nerle 220kV | 12/01/2020 15:15:00 | 62 | 18000.0 | 2567.5 | 25.0 | -2542.5 | 14.12 | 0.00 | -2.690 | 0.000000 |
| Nerle 220kV | 12/01/2020 15:30:00 | 63 | 18000.0 | 2517.5 | 43.75 | -2473.75 | 13.74 | 0.00 | -3.022 | 0.000000 |
| Nerle 220kV | 12/01/2020 15:45:00 | 64 | 18000.0 | 2547.5 | 65.62 | -2481.88 | 13.79 | 0.00 | -3.686 | 0.000000 |
| Nerle 220kV | 12/01/2020 16:00:00 | 65 | 18000.0 | 2592.5 | 0.0 | -2592.5 | 14.4 | 0.00 | -3.737 | 0.000000 |
| Nerle 220kV | 12/01/2020 16:15:00 | 66 | 18000.0 | 2635.0 | 0.0 | -2635.0 | 14.64 | 0.00 | -5.786 | 0.000000 |
| Nerle 220kV | 12/01/2020 16:30:00 | 67 | 18000.0 | 2597.5 | 0.0 | -2597.5 | 14.43 | 0.00 | -4.350 | 0.000000 |
| Nerle 220kV | 12/01/2020 16:45:00 | 68 | 18000.0 | 2567.5 | 0.0 | -2567.5 | 14.26 | 0.00 | -1.614 | 0.000000 |
| Nerle 220kV | 12/01/2020 17:00:00 | 69 | 18000.0 | 2517.5 | 0.0 | -2517.5 | 13.99 | 0.00 | 0.000 | 0.000000 |
| Nerle 220kV | 12/01/2020 17:15:00 | 70 | 18000.0 | 2687.5 | 0.0 | -2687.5 | 14.93 | 0.00 | 2.690 | 696.744455 |
| Nerle 220kV | 12/01/2020 17:30:00 | 71 | 18000.0 | 2635.0 | 0.0 | -2635.0 | 14.64 | 0.00 | -3.022 | 0.000000 |
| Nerle 220kV | 12/01/2020 17:45:00 | 72 | 18000.0 | 2547.5 | 0.0 | -2547.5 | 14.15 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nerle 220kV | 12/01/2020 18:00:00 | 73 | 18000.0 | 2592.5 | 0.0 | -2592.5 | 14.4 | 0.00 | -0.538 | 0.000000 |
| Nerle 220kV | 12/01/2020 18:15:00 | 74 | 18000.0 | 2635.0 | 0.0 | -2635.0 | 14.64 | 0.00 | -4.350 | 0.000000 |
| Nerle 220kV | 12/01/2020 18:30:00 | 75 | 18000.0 | 2597.5 | 0.0 | -2597.5 | 14.43 | 0.00 | 2.690 | 446.679464 |
| Nerle 220kV | 12/01/2020 18:45:00 | 76 | 18000.0 | 2567.5 | 0.0 | -2567.5 | 14.26 | 0.00 | 3.022 | 2844.446493 |
| Nerle 220kV | 12/01/2020 19:00:00 | 77 | 18000.0 | 2517.5 | 0.0 | -2517.5 | 13.99 | 0.00 | 3.686 | 895.870010 |
| Nerle 220kV | 12/01/2020 19:15:00 | 78 | 18000.0 | 2687.5 | 0.0 | -2687.5 | 14.93 | 0.00 | 2.690 | 56.768211 |
| Nerle 220kV | 12/01/2020 19:30:00 | 79 | 18000.0 | 2635.0 | 0.0 | -2635.0 | 14.64 | 0.00 | -3.022 | 0.000000 |
| Nerle 220kV | 12/01/2020 19:45:00 | 80 | 18000.0 | 2592.5 | 0.0 | -2592.5 | 14.4 | 0.00 | -1.781 | 0.000000 |
| Nerle 220kV | 12/01/2020 20:00:00 | 81 | 18000.0 | 2635.0 | 0.0 | -2635.0 | 14.64 | 0.00 | -3.021 | 0.000000 |
| Nerle 220kV | 12/01/2020 20:15:00 | 82 | 18000.0 | 2597.5 | 0.0 | -2597.5 | 14.43 | 0.00 | -4.018 | 0.000000 |
| Nerle 220kV | 12/01/2020 20:30:00 | 83 | 18000.0 | 2567.5 | 0.0 | -2567.5 | 14.26 | 0.00 | -3.354 | 0.000000 |
| Nerle 220kV | 12/01/2020 20:45:00 | 84 | 18000.0 | 2517.5 | 0.0 | -2517.5 | 13.99 | 0.00 | -1.614 | 0.000000 |
| Nerle 220kV | 12/01/2020 21:00:00 | 85 | 18000.0 | 2687.5 | 0.0 | -2687.5 | 14.93 | 0.00 | -4.350 | 0.000000 |
| Nerle 220kV | 12/01/2020 21:15:00 | 86 | 18000.0 | 2635.0 | 0.0 | -2635.0 | 14.64 | 0.00 | -3.686 | 0.000000 |
| Nerle 220kV | 12/01/2020 21:30:00 | 87 | 18000.0 | 2597.5 | 0.0 | -2597.5 | 14.43 | 0.00 | -1.614 | 0.000000 |
| Nerle 220kV | 12/01/2020 21:45:00 | 88 | 18000.0 | 2567.5 | 0.0 | -2567.5 | 14.26 | 0.00 | 0.000 | 0.000000 |
| Nerle 220kV | 12/01/2020 22:00:00 | 89 | 18000.0 | 2517.5 | 0.0 | -2517.5 | 13.99 | 0.00 | -3.354 | 0.000000 |
| Nerle 220kV | 12/01/2020 22:15:00 | 90 | 18000.0 | 2482.5 | 0.0 | -2482.5 | 13.79 | 0.00 | 4.350 | 3031.010416 |
| Nerle 220kV | 12/01/2020 22:30:00 | 91 | 18000.0 | 2635.0 | 0.0 | -2635.0 | 14.64 | 0.00 | 5.215 | 6067.447644 |
| Nerle 220kV | 12/01/2020 22:45:00 | 92 | 18000.0 | 2597.5 | 0.0 | -2597.5 | 14.43 | 0.00 | 3.022 | 585.501651 |
| Nerle 220kV | 12/01/2020 23:00:00 | 93 | 18000.0 | 2567.5 | 0.0 | -2567.5 | 14.26 | 0.00 | 3.022 | 1267.632753 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nerle 220kV | 12/01/2020 23:15:00 | 94 | 18000.0 | 2517.5 | 0.0 | -2517.5 | 13.99 | 0.00 | 2.152 | 1237.622157 |
| Nerle 220kV | 12/01/2020 23:30:00 | 95 | 18000.0 | 2487.5 | 0.0 | -2487.5 | 13.82 | 0.00 | 2.152 | 703.711388 |
| Nerle 220kV | 12/01/2020 23:45:00 | 96 | 18000.0 | 2552.5 | 0.0 | -2552.5 | 14.18 | 0.00 | 2.152 | 829.686589 |
| Nigade 220kV | 06/01/2020 00:00:00 | 1 | 23700.0 | 4080.0 | 5687.5 | 1607.5 | 6.78 | 0.00 | 2.903 | 0.000000 |
| Nigade 220kV | 06/01/2020 00:15:00 | 2 | 23700.0 | 4195.0 | 6190.62 | 1995.62 | 8.42 | 0.00 | 0.000 | 0.000000 |
| Nigade 220kV | 06/01/2020 00:30:00 | 3 | 23700.0 | 4207.5 | 6287.5 | 2080.0 | 8.78 | 0.00 | 0.000 | 0.000000 |
| Nigade 220kV | 06/01/2020 00:45:00 | 4 | 23700.0 | 4212.5 | 6596.88 | 2384.38 | 10.06 | 0.00 | -0.984 | 0.000000 |
| Nigade 220kV | 06/01/2020 01:00:00 | 5 | 23700.0 | 5945.0 | 6175.0 | 230.0 | 0.97 | 0.00 | -3.541 | 0.000000 |
| Nigade 220kV | 06/01/2020 01:15:00 | 6 | 23700.0 | 5862.5 | 6690.62 | 828.12 | 3.49 | 0.00 | 3.222 | 0.000000 |
| Nigade 220kV | 06/01/2020 01:30:00 | 7 | 23700.0 | 5780.0 | 7356.25 | 1576.25 | 6.65 | 0.00 | 3.541 | 0.000000 |
| Nigade 220kV | 06/01/2020 01:45:00 | 8 | 23700.0 | 5722.5 | 7471.88 | 1749.38 | 7.38 | 0.00 | 2.352 | 0.000000 |
| Nigade 220kV | 06/01/2020 02:00:00 | 9 | 23700.0 | 5662.5 | 7178.12 | 1515.62 | 6.4 | 0.00 | 1.747 | 0.000000 |
| Nigade 220kV | 06/01/2020 02:15:00 | 10 | 23700.0 | 5557.5 | 6737.5 | 1180.0 | 4.98 | 0.00 | 0.581 | 0.000000 |
| Nigade 220kV | 06/01/2020 02:30:00 | 11 | 23700.0 | 7972.5 | 6846.88 | -1125.62 | 4.75 | 0.00 | -2.323 | 0.000000 |
| Nigade 220kV | 06/01/2020 02:45:00 | 12 | 23700.0 | 7862.5 | 6656.25 | -1206.25 | 5.09 | 0.00 | 2.323 | 0.000000 |
| Nigade 220kV | 06/01/2020 03:00:00 | 13 | 23700.0 | 7780.0 | 6471.88 | -1308.12 | 5.52 | 0.00 | 2.323 | 0.000000 |
| Nigade 220kV | 06/01/2020 03:15:00 | 14 | 23700.0 | 7722.5 | 6540.62 | -1181.88 | 4.99 | 0.00 | -1.742 | 0.000000 |
| Nigade 220kV | 06/01/2020 03:30:00 | 15 | 23700.0 | 7662.5 | 6918.75 | -743.75 | 3.14 | 0.00 | 3.222 | 0.000000 |
| Nigade 220kV | 06/01/2020 03:45:00 | 16 | 23700.0 | 7557.5 | 7209.38 | -348.12 | 1.47 | 0.00 | 3.541 | 0.000000 |
| Nigade 220kV | 06/01/2020 04:00:00 | 17 | 23700.0 | 7505.0 | 7150.0 | -355.0 | 1.5 | 0.00 | 4.496 | 0.000000 |
| Nigade 220kV | 06/01/2020 04:15:00 | 18 | 23700.0 | 7662.5 | 7006.25 | -656.25 | 2.77 | 0.00 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nigade 220kV | 06/01/2020 04:30:00 | 19 | 23700.0 | 7530.0 | 7456.25 | -73.75 | 0.31 | 0.00 | 3.859 | 0.000000 |
| Nigade 220kV | 06/01/2020 04:45:00 | 20 | 23700.0 | 7472.5 | 7759.38 | 286.88 | 1.21 | 0.00 | 4.815 | 0.000000 |
| Nigade 220kV | 06/01/2020 05:00:00 | 21 | 23700.0 | 7412.5 | 7731.25 | 318.75 | 1.34 | 0.00 | 3.859 | 0.000000 |
| Nigade 220kV | 06/01/2020 05:15:00 | 22 | 23700.0 | 7307.5 | 7418.75 | 111.25 | 0.47 | 0.00 | 6.407 | 0.000000 |
| Nigade 220kV | 06/01/2020 05:30:00 | 23 | 23700.0 | 7255.0 | 7443.75 | 188.75 | 0.8 | 0.00 | 6.496 | 0.000000 |
| Nigade 220kV | 06/01/2020 05:45:00 | 24 | 23700.0 | 7112.5 | 7984.38 | 871.88 | 3.68 | 0.00 | 7.492 | 0.000000 |
| Nigade 220kV | 06/01/2020 06:00:00 | 25 | 23700.0 | 7087.5 | 8015.62 | 928.12 | 3.92 | 0.00 | -5.452 | 0.000000 |
| Nigade 220kV | 06/01/2020 06:15:00 | 26 | 23700.0 | 7007.5 | 7746.88 | 739.38 | 3.12 | 0.00 | -6.089 | 0.000000 |
| Nigade 220kV | 06/01/2020 06:30:00 | 27 | 23700.0 | 7012.5 | 7246.88 | 234.38 | 0.99 | 0.00 | -7.044 | 0.000000 |
| Nigade 220kV | 06/01/2020 06:45:00 | 28 | 23700.0 | 7030.0 | 6662.5 | -367.5 | 1.55 | 0.00 | 7.682 | 0.000000 |
| Nigade 220kV | 06/01/2020 07:00:00 | 29 | 23700.0 | 7045.0 | 6762.5 | -282.5 | 1.19 | 0.00 | -3.859 | 0.000000 |
| Nigade 220kV | 06/01/2020 07:15:00 | 30 | 23700.0 | 7055.0 | 6428.12 | -626.88 | 2.65 | 0.00 | 4.815 | 311.257281 |
| Nigade 220kV | 06/01/2020 07:30:00 | 31 | 23700.0 | 6980.0 | 6137.5 | -842.5 | 3.55 | 0.00 | 4.178 | 0.000000 |
| Nigade 220kV | 06/01/2020 07:45:00 | 32 | 23700.0 | 6982.5 | 5759.38 | -1223.12 | 5.16 | 0.00 | -3.540 | 0.000000 |
| Nigade 220kV | 06/01/2020 08:00:00 | 33 | 23700.0 | 7087.5 | 5634.38 | -1453.12 | 6.13 | 0.00 | -3.859 | 0.000000 |
| Nigade 220kV | 06/01/2020 08:15:00 | 34 | 23700.0 | 7007.5 | 5590.62 | -1416.88 | 5.98 | 0.00 | -5.452 | 0.000000 |
| Nigade 220kV | 06/01/2020 08:30:00 | 35 | 23700.0 | 7012.5 | 5565.62 | -1446.88 | 6.1 | 0.00 | 4.178 | 0.000000 |
| Nigade 220kV | 06/01/2020 08:45:00 | 36 | 23700.0 | 7030.0 | 6056.25 | -973.75 | 4.11 | 0.00 | -3.859 | 0.000000 |
| Nigade 220kV | 06/01/2020 09:00:00 | 37 | 23700.0 | 7045.0 | 6200.0 | -845.0 | 3.57 | 0.00 | -6.407 | 0.000000 |
| Nigade 220kV | 06/01/2020 09:15:00 | 38 | 23700.0 | 4245.0 | 6450.0 | 2205.0 | 9.3 | 0.00 | -8.000 | -350.583165 |
| Nigade 220kV | 06/01/2020 09:30:00 | 39 | 23700.0 | 4330.0 | 6853.12 | 2523.12 | 10.65 | 0.00 | -5.770 | -173.670218 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nigade 220kV | 06/01/2020 09:45:00 | 40 | 23700.0 | 4447.5 | 7165.62 | 2718.12 | 11.47 | 0.00 | 3.222 | 0.000000 |
| Nigade 220kV | 06/01/2020 10:00:00 | 41 | 23700.0 | 4510.0 | 7262.5 | 2752.5 | 11.61 | 0.00 | -2.903 | -375.571272 |
| Nigade 220kV | 06/01/2020 10:15:00 | 42 | 23700.0 | 4525.0 | 6759.38 | 2234.38 | 9.43 | 0.00 | -3.222 | -62.834579 |
| Nigade 220kV | 06/01/2020 10:30:00 | 43 | 23700.0 | 4485.0 | 5796.88 | 1311.88 | 5.54 | 0.00 | 4.815 | 0.000000 |
| Nigade 220kV | 06/01/2020 10:45:00 | 44 | 23700.0 | 3780.0 | 5778.12 | 1998.12 | 8.43 | 0.00 | 4.496 | 0.000000 |
| Nigade 220kV | 06/01/2020 11:00:00 | 45 | 23700.0 | 3662.5 | 5503.12 | 1840.62 | 7.77 | 0.00 | 16.000 | 0.000000 |
| Nigade 220kV | 06/01/2020 11:15:00 | 46 | 23700.0 | 3580.0 | 4937.5 | 1357.5 | 5.73 | 0.00 | 5.133 | 0.000000 |
| Nigade 220kV | 06/01/2020 11:30:00 | 47 | 23700.0 | 3362.5 | 5678.12 | 2315.62 | 9.77 | 0.00 | 1.182 | 0.000000 |
| Nigade 220kV | 06/01/2020 11:45:00 | 48 | 23700.0 | 3322.5 | 6100.0 | 2777.5 | 11.72 | 0.00 | 6.308 | 0.000000 |
| Nigade 220kV | 06/01/2020 12:00:00 | 49 | 23700.0 | 3322.5 | 5331.25 | 2008.75 | 8.48 | 0.00 | 6.598 | 0.000000 |
| Nigade 220kV | 06/01/2020 12:15:00 | 50 | 23700.0 | 3362.5 | 5246.88 | 1884.38 | 7.95 | 0.00 | 5.431 | 0.000000 |
| Nigade 220kV | 06/01/2020 12:30:00 | 51 | 23700.0 | 3362.5 | 5246.88 | 1884.38 | 7.95 | 0.00 | 3.540 | 0.000000 |
| Nigade 220kV | 06/01/2020 12:45:00 | 52 | 23700.0 | 3362.5 | 4909.38 | 1546.88 | 6.53 | 0.00 | -2.903 | -24.823028 |
| Nigade 220kV | 06/01/2020 13:00:00 | 53 | 23700.0 | 3362.5 | 3893.75 | 531.25 | 2.24 | 0.00 | -1.161 | -17.577946 |
| Nigade 220kV | 06/01/2020 13:15:00 | 54 | 23700.0 | 3467.5 | 3253.12 | -214.38 | 0.9 | 0.00 | 3.859 | 0.000000 |
| Nigade 220kV | 06/01/2020 13:30:00 | 55 | 23700.0 | 3445.0 | 2553.12 | -891.88 | 3.76 | 0.00 | -6.407 | 0.000000 |
| Nigade 220kV | 06/01/2020 13:45:00 | 56 | 23700.0 | 3462.5 | 1990.62 | -1471.88 | 6.21 | 0.00 | 5.452 | 0.000000 |
| Nigade 220kV | 06/01/2020 14:00:00 | 57 | 23700.0 | 3410.0 | 1631.25 | -1778.75 | 7.51 | 0.00 | 5.452 | 0.000000 |
| Nigade 220kV | 06/01/2020 14:15:00 | 58 | 23700.0 | 3480.0 | 1300.0 | -2180.0 | 9.2 | 0.00 | 16.000 | 0.000000 |
| Nigade 220kV | 06/01/2020 14:30:00 | 59 | 23700.0 | 3412.5 | 1090.62 | -2321.88 | 9.8 | 0.00 | 6.035 | 0.000000 |
| Nigade 220kV | 06/01/2020 14:45:00 | 60 | 23700.0 | 3505.0 | 868.75 | -2636.25 | 11.12 | 0.00 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nigade 220kV | 06/01/2020 15:00:00 | 61 | 23700.0 | 3387.5 | 871.88 | -2515.62 | 10.61 | 0.00 | 3.367 | 0.000000 |
| Nigade 220kV | 06/01/2020 15:15:00 | 62 | 23700.0 | 3482.5 | 475.0 | -3007.5 | 12.69 | 0.00 | 3.904 | 0.000000 |
| Nigade 220kV | 06/01/2020 15:30:00 | 63 | 23700.0 | 3507.5 | 309.38 | -3198.12 | 13.49 | 0.00 | 4.482 | 0.000000 |
| Nigade 220kV | 06/01/2020 15:45:00 | 64 | 23700.0 | 3462.5 | 393.75 | -3068.75 | 12.95 | 0.00 | 4.225 | 0.000000 |
| Nigade 220kV | 06/01/2020 16:00:00 | 65 | 23700.0 | 3410.0 | 506.25 | -2903.75 | 12.25 | 0.00 | 2.895 | 0.000000 |
| Nigade 220kV | 06/01/2020 16:15:00 | 66 | 23700.0 | 3480.0 | 337.5 | -3142.5 | 13.26 | 0.00 | 6.089 | 0.000000 |
| Nigade 220kV | 06/01/2020 16:30:00 | 67 | 23700.0 | 3412.5 | 71.88 | -3340.62 | 14.1 | 0.00 | -8.000 | 0.000000 |
| Nigade 220kV | 06/01/2020 16:45:00 | 68 | 23700.0 | 3505.0 | 12.5 | -3492.5 | 14.74 | 0.00 | -4.178 | 0.000000 |
| Nigade 220kV | 06/01/2020 17:00:00 | 69 | 23700.0 | 3387.5 | 43.75 | -3343.75 | 14.11 | 0.00 | 1.742 | 0.000000 |
| Nigade 220kV | 06/01/2020 17:15:00 | 70 | 23700.0 | 3442.5 | 0.0 | -3442.5 | 14.53 | 0.00 | 2.903 | 0.000000 |
| Nigade 220kV | 06/01/2020 17:30:00 | 71 | 23700.0 | 3445.0 | 0.0 | -3445.0 | 14.54 | 0.00 | -4.178 | 0.000000 |
| Nigade 220kV | 06/01/2020 17:45:00 | 72 | 23700.0 | 3455.0 | 0.0 | -3455.0 | 14.58 | 0.00 | -2.323 | 0.000000 |
| Nigade 220kV | 06/01/2020 18:00:00 | 73 | 23700.0 | 3480.0 | 0.0 | -3480.0 | 14.68 | 0.00 | -2.903 | 0.000000 |
| Nigade 220kV | 06/01/2020 18:15:00 | 74 | 23700.0 | 3482.5 | 0.0 | -3482.5 | 14.69 | 0.00 | 1.161 | 905.657191 |
| Nigade 220kV | 06/01/2020 18:30:00 | 75 | 23700.0 | 3507.5 | 0.0 | -3507.5 | 14.8 | 0.00 | 2.903 | 2987.455752 |
| Nigade 220kV | 06/01/2020 18:45:00 | 76 | 23700.0 | 3462.5 | 12.5 | -3450.0 | 14.56 | 0.00 | 2.903 | 69.563112 |
| Nigade 220kV | 06/01/2020 19:00:00 | 77 | 23700.0 | 3410.0 | 3.12 | -3406.88 | 14.38 | 0.00 | -1.161 | 0.000000 |
| Nigade 220kV | 06/01/2020 19:15:00 | 78 | 23700.0 | 3480.0 | 15.62 | -3464.38 | 14.62 | 0.00 | -4.178 | 0.000000 |
| Nigade 220kV | 06/01/2020 19:30:00 | 79 | 23700.0 | 3462.5 | 37.5 | -3425.0 | 14.45 | 0.00 | -2.323 | 0.000000 |
| Nigade 220kV | 06/01/2020 19:45:00 | 80 | 23700.0 | 3465.0 | 62.5 | -3402.5 | 14.36 | 0.00 | -4.178 | 0.000000 |
| Nigade 220kV | 06/01/2020 20:00:00 | 81 | 23700.0 | 3470.0 | 53.12 | -3416.88 | 14.42 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nigade 220kV | 06/01/2020 20:15:00 | 82 | 23700.0 | 3465.0 | 28.12 | -3436.88 | 14.5 | 0.00 | -5.770 | 0.000000 |
| Nigade 220kV | 06/01/2020 20:30:00 | 83 | 23700.0 | 3470.0 | 21.88 | -3448.12 | 14.55 | 0.00 | 5.770 | 469.817301 |
| Nigade 220kV | 06/01/2020 20:45:00 | 84 | 23700.0 | 3472.5 | 25.0 | -3447.5 | 14.55 | 0.00 | 4.178 | 1425.725166 |
| Nigade 220kV | 06/01/2020 21:00:00 | 85 | 23700.0 | 3462.5 | 37.5 | -3425.0 | 14.45 | 0.00 | 3.222 | 749.312751 |
| Nigade 220kV | 06/01/2020 21:15:00 | 86 | 23700.0 | 3462.5 | 28.12 | -3434.38 | 14.49 | 0.00 | -1.742 | 0.000000 |
| Nigade 220kV | 06/01/2020 21:30:00 | 87 | 23700.0 | 3465.0 | 31.25 | -3433.75 | 14.49 | 0.00 | 0.000 | 0.000000 |
| Nigade 220kV | 06/01/2020 21:45:00 | 88 | 23700.0 | 3470.0 | 18.75 | -3451.25 | 14.56 | 0.00 | 1.161 | 0.000000 |
| Nigade 220kV | 06/01/2020 22:00:00 | 89 | 23700.0 | 3465.0 | 0.0 | -3465.0 | 14.62 | 0.00 | 4.815 | 2028.851332 |
| Nigade 220kV | 06/01/2020 22:15:00 | 90 | 23700.0 | 3470.0 | 0.0 | -3470.0 | 14.64 | 0.00 | 3.859 | 2096.230650 |
| Nigade 220kV | 06/01/2020 22:30:00 | 91 | 23700.0 | 3472.5 | 15.62 | -3456.88 | 14.59 | 0.00 | 1.742 | 0.000000 |
| Nigade 220kV | 06/01/2020 22:45:00 | 92 | 23700.0 | 3462.5 | 9.38 | -3453.12 | 14.57 | 0.00 | -2.323 | 0.000000 |
| Nigade 220kV | 06/01/2020 23:00:00 | 93 | 23700.0 | 3462.5 | 15.62 | -3446.88 | 14.54 | 0.00 | -2.903 | 0.000000 |
| Nigade 220kV | 06/01/2020 23:15:00 | 94 | 23700.0 | 3465.0 | 9.38 | -3455.62 | 14.58 | 0.00 | 2.323 | 0.000000 |
| Nigade 220kV | 06/01/2020 23:30:00 | 95 | 23700.0 | 3470.0 | 6.25 | -3463.75 | 14.61 | 0.00 | -3.222 | 0.000000 |
| Nigade 220kV | 06/01/2020 23:45:00 | 96 | 23700.0 | 3465.0 | 0.0 | -3465.0 | 14.62 | 0.00 | 2.323 | 0.000000 |
| Nigade 220kV | 07/01/2020 00:00:00 | 1 | 23700.0 | 3387.5 | 0.0 | -3387.5 | 14.29 | 0.00 | -0.549 | 0.000000 |
| Nigade 220kV | 07/01/2020 00:15:00 | 2 | 23700.0 | 3442.5 | 9.38 | -3433.12 | 14.49 | 0.00 | -1.647 | 0.000000 |
| Nigade 220kV | 07/01/2020 00:30:00 | 3 | 23700.0 | 3445.0 | 46.88 | -3398.12 | 14.34 | 0.00 | -3.073 | 0.000000 |
| Nigade 220kV | 07/01/2020 00:45:00 | 4 | 23700.0 | 3455.0 | 243.75 | -3211.25 | 13.55 | 0.00 | -2.744 | 0.000000 |
| Nigade 220kV | 07/01/2020 01:00:00 | 5 | 23700.0 | 3480.0 | 675.0 | -2805.0 | 11.84 | 0.00 | -4.058 | 0.000000 |
| Nigade 220kV | 07/01/2020 01:15:00 | 6 | 23700.0 | 3482.5 | 1059.38 | -2423.12 | 10.22 | 0.00 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nigade 220kV | 07/01/2020 01:30:00 | 7 | 23700.0 | 3412.5 | 1318.75 | -2093.75 | 8.83 | 0.00 | -3.401 | 0.000000 |
| Nigade 220kV | 07/01/2020 01:45:00 | 8 | 23700.0 | 3462.5 | 1678.12 | -1784.38 | 7.53 | 0.00 | 3.730 | 0.000000 |
| Nigade 220kV | 07/01/2020 02:00:00 | 9 | 23700.0 | 3410.0 | 1709.38 | -1700.62 | 7.18 | 0.00 | 3.073 | 370.237653 |
| Nigade 220kV | 07/01/2020 02:15:00 | 10 | 23700.0 | 3480.0 | 1884.38 | -1595.62 | 6.73 | 0.00 | 3.073 | 155.333091 |
| Nigade 220kV | 07/01/2020 02:30:00 | 11 | 23700.0 | 3462.5 | 1853.12 | -1609.38 | 6.79 | 0.00 | 3.401 | 219.136504 |
| Nigade 220kV | 07/01/2020 02:45:00 | 12 | 23700.0 | 3465.0 | 2175.0 | -1290.0 | 5.44 | 0.00 | 2.745 | 175.190176 |
| Nigade 220kV | 07/01/2020 03:00:00 | 13 | 23700.0 | 3470.0 | 2278.12 | -1191.88 | 5.03 | 0.00 | 1.647 | 0.000000 |
| Nigade 220kV | 07/01/2020 03:15:00 | 14 | 23700.0 | 3465.0 | 2171.88 | -1293.12 | 5.46 | 0.00 | 2.196 | 82.957116 |
| Nigade 220kV | 07/01/2020 03:30:00 | 15 | 23700.0 | 3470.0 | 2000.0 | -1470.0 | 6.2 | 0.00 | 1.647 | 125.465495 |
| Nigade 220kV | 07/01/2020 03:45:00 | 16 | 23700.0 | 3472.5 | 2568.75 | -903.75 | 3.81 | 0.00 | 1.098 | 0.000000 |
| Nigade 220kV | 07/01/2020 04:00:00 | 17 | 23700.0 | 3462.5 | 2709.38 | -753.12 | 3.18 | 0.00 | 1.647 | 275.792489 |
| Nigade 220kV | 07/01/2020 04:15:00 | 18 | 23700.0 | 3462.5 | 3187.5 | -275.0 | 1.16 | 0.00 | 2.210 | 196.888458 |
| Nigade 220kV | 07/01/2020 04:30:00 | 19 | 23700.0 | 3465.0 | 4125.0 | 660.0 | 2.78 | 0.00 | 3.730 | 0.000000 |
| Nigade 220kV | 07/01/2020 04:45:00 | 20 | 23700.0 | 3470.0 | 4950.0 | 1480.0 | 6.24 | 0.00 | -1.098 | 0.000000 |
| Nigade 220kV | 07/01/2020 05:00:00 | 21 | 23700.0 | 3465.0 | 5462.5 | 1997.5 | 8.43 | 0.00 | -2.744 | 0.000000 |
| Nigade 220kV | 07/01/2020 05:15:00 | 22 | 23700.0 | 3470.0 | 5071.88 | 1601.88 | 6.76 | 0.00 | 3.730 | 0.000000 |
| Nigade 220kV | 07/01/2020 05:30:00 | 23 | 23700.0 | 3472.5 | 4643.75 | 1171.25 | 4.94 | 0.00 | 3.073 | 0.000000 |
| Nigade 220kV | 07/01/2020 05:45:00 | 24 | 23700.0 | 3462.5 | 4171.88 | 709.38 | 2.99 | 0.00 | 3.730 | 0.000000 |
| Nigade 220kV | 07/01/2020 06:00:00 | 25 | 23700.0 | 3462.5 | 4028.12 | 565.62 | 2.39 | 0.00 | -5.372 | 0.000000 |
| Nigade 220kV | 07/01/2020 06:15:00 | 26 | 23700.0 | 3465.0 | 3965.62 | 500.62 | 2.11 | 0.00 | 4.556 | 0.000000 |
| Nigade 220kV | 07/01/2020 06:30:00 | 27 | 23700.0 | 3470.0 | 2418.75 | -1051.25 | 4.44 | 0.00 | 7.148 | 6064.860211 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nigade 220kV | 07/01/2020 06:45:00 | 28 | 23700.0 | 3465.0 | 793.75 | -2671.25 | 11.27 | 0.00 | 7.821 | 14131.482893 |
| Nigade 220kV | 07/01/2020 07:00:00 | 29 | 23700.0 | 3387.5 | 2656.25 | -731.25 | 3.09 | 0.00 | 5.372 | 1943.258579 |
| Nigade 220kV | 07/01/2020 07:15:00 | 30 | 23700.0 | 3442.5 | 3718.75 | 276.25 | 1.17 | 0.00 | 16.000 | 0.000000 |
| Nigade 220kV | 07/01/2020 07:30:00 | 31 | 23700.0 | 3445.0 | 4046.88 | 601.88 | 2.54 | 0.00 | 9.296 | 0.000000 |
| Nigade 220kV | 07/01/2020 07:45:00 | 32 | 23700.0 | 3455.0 | 4590.62 | 1135.62 | 4.79 | 0.00 | 9.794 | 0.000000 |
| Nigade 220kV | 07/01/2020 08:00:00 | 33 | 23700.0 | 3480.0 | 3837.5 | 357.5 | 1.51 | 0.00 | 3.593 | 0.000000 |
| Nigade 220kV | 07/01/2020 08:15:00 | 34 | 23700.0 | 3482.5 | 3396.88 | -85.62 | 0.36 | 0.00 | 3.401 | 0.000000 |
| Nigade 220kV | 07/01/2020 08:30:00 | 35 | 23700.0 | 3507.5 | 2909.38 | -598.12 | 2.52 | 0.00 | 3.245 | 0.000000 |
| Nigade 220kV | 07/01/2020 08:45:00 | 36 | 23700.0 | 3462.5 | 2625.0 | -837.5 | 3.53 | 0.00 | 0.000 | 0.000000 |
| Nigade 220kV | 07/01/2020 09:00:00 | 37 | 23700.0 | 3410.0 | 2262.5 | -1147.5 | 4.84 | 0.00 | 2.745 | 0.000000 |
| Nigade 220kV | 07/01/2020 09:15:00 | 38 | 23700.0 | 3480.0 | 2340.62 | -1139.38 | 4.81 | 0.00 | 4.715 | 0.000000 |
| Nigade 220kV | 07/01/2020 09:30:00 | 39 | 23700.0 | 3462.5 | 1753.12 | -1709.38 | 7.21 | 0.00 | 3.981 | 0.000000 |
| Nigade 220kV | 07/01/2020 09:45:00 | 40 | 23700.0 | 3465.0 | 1400.0 | -2065.0 | 8.71 | 0.00 | 3.730 | 0.000000 |
| Nigade 220kV | 07/01/2020 10:00:00 | 41 | 23700.0 | 3470.0 | 1421.88 | -2048.12 | 8.64 | 0.00 | 1.780 | 0.000000 |
| Nigade 220kV | 07/01/2020 10:15:00 | 42 | 23700.0 | 3465.0 | 1693.75 | -1771.25 | 7.47 | 0.00 | 5.643 | 0.000000 |
| Nigade 220kV | 07/01/2020 10:30:00 | 43 | 23700.0 | 3470.0 | 1540.62 | -1929.38 | 8.14 | 0.00 | 4.976 | 0.000000 |
| Nigade 220kV | 07/01/2020 10:45:00 | 44 | 23700.0 | 3472.5 | 903.12 | -2569.38 | 10.84 | 0.00 | 4.415 | 0.000000 |
| Nigade 220kV | 07/01/2020 11:00:00 | 45 | 23700.0 | 3462.5 | 115.62 | -3346.88 | 14.12 | 0.00 | 4.476 | 0.000000 |
| Nigade 220kV | 07/01/2020 11:15:00 | 46 | 23700.0 | 3462.5 | 15.62 | -3446.88 | 14.54 | 0.00 | 4.826 | 0.000000 |
| Nigade 220kV | 07/01/2020 11:30:00 | 47 | 23700.0 | 3465.0 | 6.25 | -3458.75 | 14.59 | 0.00 | 2.289 | 0.000000 |
| Nigade 220kV | 07/01/2020 11:45:00 | 48 | 23700.0 | 3470.0 | 3.12 | -3466.88 | 14.63 | 0.00 | -0.549 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nigade 220kV | 07/01/2020 12:00:00 | 49 | 23700.0 | 3465.0 | 3.12 | -3461.88 | 14.61 | 0.00 | 4.727 | 0.000000 |
| Nigade 220kV | 07/01/2020 12:15:00 | 50 | 23700.0 | 3470.0 | 3.12 | -3466.88 | 14.63 | 0.00 | 4.777 | 0.000000 |
| Nigade 220kV | 07/01/2020 12:30:00 | 51 | 23700.0 | 3472.5 | 0.0 | -3472.5 | 14.65 | 0.00 | 4.798 | 0.000000 |
| Nigade 220kV | 07/01/2020 12:45:00 | 52 | 23700.0 | 3462.5 | 3.12 | -3459.38 | 14.6 | 0.00 | -3.401 | 0.000000 |
| Nigade 220kV | 07/01/2020 13:00:00 | 53 | 23700.0 | 3462.5 | 3.12 | -3459.38 | 14.6 | 0.00 | -2.431 | 0.000000 |
| Nigade 220kV | 07/01/2020 13:15:00 | 54 | 23700.0 | 3465.0 | 3.12 | -3461.88 | 14.61 | 0.00 | -4.387 | 0.000000 |
| Nigade 220kV | 07/01/2020 13:30:00 | 55 | 23700.0 | 3470.0 | 0.0 | -3470.0 | 14.64 | 0.00 | -3.401 | 0.000000 |
| Nigade 220kV | 07/01/2020 13:45:00 | 56 | 23700.0 | 3465.0 | 0.0 | -3465.0 | 14.62 | 0.00 | -5.044 | 0.000000 |
| Nigade 220kV | 07/01/2020 14:00:00 | 57 | 23700.0 | 3410.0 | 3.12 | -3406.88 | 14.38 | 0.00 | 4.215 | 0.000000 |
| Nigade 220kV | 07/01/2020 14:15:00 | 58 | 23700.0 | 3480.0 | 6.25 | -3473.75 | 14.66 | 0.00 | 9.552 | 0.000000 |
| Nigade 220kV | 07/01/2020 14:30:00 | 59 | 23700.0 | 3412.5 | 0.0 | -3412.5 | 14.4 | 0.00 | 6.358 | 0.000000 |
| Nigade 220kV | 07/01/2020 14:45:00 | 60 | 23700.0 | 3505.0 | 0.0 | -3505.0 | 14.79 | 0.00 | 2.744 | 0.000000 |
| Nigade 220kV | 07/01/2020 15:00:00 | 61 | 23700.0 | 3387.5 | 0.0 | -3387.5 | 14.29 | 0.00 | -3.073 | 0.000000 |
| Nigade 220kV | 07/01/2020 15:15:00 | 62 | 23700.0 | 3482.5 | 0.0 | -3482.5 | 14.69 | 0.00 | -4.058 | 0.000000 |
| Nigade 220kV | 07/01/2020 15:30:00 | 63 | 23700.0 | 3507.5 | 0.0 | -3507.5 | 14.8 | 0.00 | -4.831 | 0.000000 |
| Nigade 220kV | 07/01/2020 15:45:00 | 64 | 23700.0 | 3462.5 | 0.0 | -3462.5 | 14.61 | 0.00 | -5.372 | 0.000000 |
| Nigade 220kV | 07/01/2020 16:00:00 | 65 | 23700.0 | 3410.0 | 0.0 | -3410.0 | 14.39 | 0.00 | 2.196 | 0.000000 |
| Nigade 220kV | 07/01/2020 16:15:00 | 66 | 23700.0 | 3480.0 | 3.12 | -3476.88 | 14.67 | 0.00 | -3.401 | 0.000000 |
| Nigade 220kV | 07/01/2020 16:30:00 | 67 | 23700.0 | 3412.5 | 25.0 | -3387.5 | 14.29 | 0.00 | 4.738 | 0.000000 |
| Nigade 220kV | 07/01/2020 16:45:00 | 68 | 23700.0 | 3505.0 | 190.62 | -3314.38 | 13.98 | 0.00 | 7.343 | 0.000000 |
| Nigade 220kV | 07/01/2020 17:00:00 | 69 | 23700.0 | 3387.5 | 165.62 | -3221.88 | 13.59 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nigade 220kV | 07/01/2020 17:15:00 | 70 | 23700.0 | 3442.5 | 378.12 | -3064.38 | 12.93 | 0.00 | 2.744 | 509.747755 |
| Nigade 220kV | 07/01/2020 17:30:00 | 71 | 23700.0 | 3445.0 | 556.25 | -2888.75 | 12.19 | 0.00 | 3.401 | 190.742534 |
| Nigade 220kV | 07/01/2020 17:45:00 | 72 | 23700.0 | 3455.0 | 1378.12 | -2076.88 | 8.76 | 0.00 | -2.745 | 0.000000 |
| Nigade 220kV | 07/01/2020 18:00:00 | 73 | 23700.0 | 3480.0 | 1781.25 | -1698.75 | 7.17 | 0.00 | -3.073 | 0.000000 |
| Nigade 220kV | 07/01/2020 18:15:00 | 74 | 23700.0 | 3482.5 | 1853.12 | -1629.38 | 6.88 | 0.00 | -5.372 | 0.000000 |
| Nigade 220kV | 07/01/2020 18:30:00 | 75 | 23700.0 | 3507.5 | 1825.0 | -1682.5 | 7.1 | 0.00 | 3.401 | 0.000000 |
| Nigade 220kV | 07/01/2020 18:45:00 | 76 | 23700.0 | 3462.5 | 1618.75 | -1843.75 | 7.78 | 0.00 | -3.401 | 0.000000 |
| Nigade 220kV | 07/01/2020 19:00:00 | 77 | 23700.0 | 3410.0 | 1309.38 | -2100.62 | 8.86 | 0.00 | -3.730 | 0.000000 |
| Nigade 220kV | 07/01/2020 19:15:00 | 78 | 23700.0 | 3480.0 | 1115.62 | -2364.38 | 9.98 | 0.00 | -4.715 | 0.000000 |
| Nigade 220kV | 07/01/2020 19:30:00 | 79 | 23700.0 | 3462.5 | 1181.25 | -2281.25 | 9.63 | 0.00 | -4.058 | 0.000000 |
| Nigade 220kV | 07/01/2020 19:45:00 | 80 | 23700.0 | 3465.0 | 1203.12 | -2261.88 | 9.54 | 0.00 | -2.210 | 0.000000 |
| Nigade 220kV | 07/01/2020 20:00:00 | 81 | 23700.0 | 3470.0 | 981.25 | -2488.75 | 10.5 | 0.00 | -2.348 | 0.000000 |
| Nigade 220kV | 07/01/2020 20:15:00 | 82 | 23700.0 | 3465.0 | 921.88 | -2543.12 | 10.73 | 0.00 | 4.387 | 3968.925288 |
| Nigade 220kV | 07/01/2020 20:30:00 | 83 | 23700.0 | 3470.0 | 946.88 | -2523.12 | 10.65 | 0.00 | 3.816 | 5148.903349 |
| Nigade 220kV | 07/01/2020 20:45:00 | 84 | 23700.0 | 3472.5 | 840.62 | -2631.88 | 11.1 | 0.00 | 3.401 | 1293.137474 |
| Nigade 220kV | 07/01/2020 21:00:00 | 85 | 23700.0 | 3462.5 | 843.75 | -2618.75 | 11.05 | 0.00 | -4.058 | 0.000000 |
| Nigade 220kV | 07/01/2020 21:15:00 | 86 | 23700.0 | 3462.5 | 762.5 | -2700.0 | 11.39 | 0.00 | 1.647 | 1431.094752 |
| Nigade 220kV | 07/01/2020 21:30:00 | 87 | 23700.0 | 3465.0 | 631.25 | -2833.75 | 11.96 | 0.00 | 2.196 | 903.637578 |
| Nigade 220kV | 07/01/2020 21:45:00 | 88 | 23700.0 | 3470.0 | 487.5 | -2982.5 | 12.58 | 0.00 | -2.196 | 0.000000 |
| Nigade 220kV | 07/01/2020 22:00:00 | 89 | 23700.0 | 3465.0 | 368.75 | -3096.25 | 13.06 | 0.00 | -3.257 | 0.000000 |
| Nigade 220kV | 07/01/2020 22:15:00 | 90 | 23700.0 | 3470.0 | 309.38 | -3160.62 | 13.34 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nigade 220kV | 07/01/2020 22:30:00 | 91 | 23700.0 | 3472.5 | 256.25 | -3216.25 | 13.57 | 0.00 | -1.098 | 0.000000 |
| Nigade 220kV | 07/01/2020 22:45:00 | 92 | 23700.0 | 3462.5 | 312.5 | -3150.0 | 13.29 | 0.00 | -1.647 | 0.000000 |
| Nigade 220kV | 07/01/2020 23:00:00 | 93 | 23700.0 | 3462.5 | 321.88 | -3140.62 | 13.25 | 0.00 | -3.401 | 0.000000 |
| Nigade 220kV | 07/01/2020 23:15:00 | 94 | 23700.0 | 3465.0 | 271.88 | -3193.12 | 13.47 | 0.00 | 1.647 | 0.000000 |
| Nigade 220kV | 07/01/2020 23:30:00 | 95 | 23700.0 | 3470.0 | 200.0 | -3270.0 | 13.8 | 0.00 | -2.196 | 0.000000 |
| Nigade 220kV | 07/01/2020 23:45:00 | 96 | 23700.0 | 3465.0 | 153.12 | -3311.88 | 13.97 | 0.00 | -0.549 | 0.000000 |
| Nigade 220kV | 08/01/2020 00:00:00 | 1 | 23700.0 | 3387.5 | 100.0 | -3287.5 | 13.87 | 0.00 | -2.220 | 0.000000 |
| Nigade 220kV | 08/01/2020 00:15:00 | 2 | 23700.0 | 3442.5 | 115.62 | -3326.88 | 14.04 | 0.00 | -3.101 | 0.000000 |
| Nigade 220kV | 08/01/2020 00:30:00 | 3 | 23700.0 | 3445.0 | 81.25 | -3363.75 | 14.19 | 0.00 | -3.101 | 0.000000 |
| Nigade 220kV | 08/01/2020 00:45:00 | 4 | 23700.0 | 3455.0 | 93.75 | -3361.25 | 14.18 | 0.00 | -2.424 | 0.000000 |
| Nigade 220kV | 08/01/2020 01:00:00 | 5 | 23700.0 | 3480.0 | 75.0 | -3405.0 | 14.37 | 0.00 | -2.170 | 0.000000 |
| Nigade 220kV | 08/01/2020 01:15:00 | 6 | 23700.0 | 3482.5 | 134.38 | -3348.12 | 14.13 | 0.00 | -1.761 | 0.000000 |
| Nigade 220kV | 08/01/2020 01:30:00 | 7 | 23700.0 | 3412.5 | 109.38 | -3303.12 | 13.94 | 0.00 | -1.665 | 0.000000 |
| Nigade 220kV | 08/01/2020 01:45:00 | 8 | 23700.0 | 3462.5 | 28.12 | -3434.38 | 14.49 | 0.00 | -1.665 | 0.000000 |
| Nigade 220kV | 08/01/2020 02:00:00 | 9 | 23700.0 | 3410.0 | 0.0 | -3410.0 | 14.39 | 0.00 | -1.110 | 0.000000 |
| Nigade 220kV | 08/01/2020 02:15:00 | 10 | 23700.0 | 3480.0 | 0.0 | -3480.0 | 14.68 | 0.00 | -1.347 | 0.000000 |
| Nigade 220kV | 08/01/2020 02:30:00 | 11 | 23700.0 | 3462.5 | 21.88 | -3440.62 | 14.52 | 0.00 | -3.101 | 0.000000 |
| Nigade 220kV | 08/01/2020 02:45:00 | 12 | 23700.0 | 3465.0 | 0.0 | -3465.0 | 14.62 | 0.00 | -2.220 | 0.000000 |
| Nigade 220kV | 08/01/2020 03:00:00 | 13 | 23700.0 | 3470.0 | 40.62 | -3429.38 | 14.47 | 0.00 | -3.428 | 0.000000 |
| Nigade 220kV | 08/01/2020 03:15:00 | 14 | 23700.0 | 3465.0 | 137.5 | -3327.5 | 14.04 | 0.00 | -2.220 | 0.000000 |
| Nigade 220kV | 08/01/2020 03:30:00 | 15 | 23700.0 | 3470.0 | 125.0 | -3345.0 | 14.11 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nigade 220kV | 08/01/2020 03:45:00 | 16 | 23700.0 | 3472.5 | 181.25 | -3291.25 | 13.89 | 0.00 | -2.775 | 0.000000 |
| Nigade 220kV | 08/01/2020 04:00:00 | 17 | 23700.0 | 3462.5 | 240.62 | -3221.88 | 13.59 | 0.00 | -3.101 | 0.000000 |
| Nigade 220kV | 08/01/2020 04:15:00 | 18 | 23700.0 | 3462.5 | 178.12 | -3284.38 | 13.86 | 0.00 | -1.665 | 0.000000 |
| Nigade 220kV | 08/01/2020 04:30:00 | 19 | 23700.0 | 3465.0 | 96.88 | -3368.12 | 14.21 | 0.00 | -2.220 | 0.000000 |
| Nigade 220kV | 08/01/2020 04:45:00 | 20 | 23700.0 | 3470.0 | 87.5 | -3382.5 | 14.27 | 0.00 | -2.775 | 0.000000 |
| Nigade 220kV | 08/01/2020 05:00:00 | 21 | 23700.0 | 3465.0 | 40.62 | -3424.38 | 14.45 | 0.00 | -1.110 | 0.000000 |
| Nigade 220kV | 08/01/2020 05:15:00 | 22 | 23700.0 | 3470.0 | 18.75 | -3451.25 | 14.56 | 0.00 | 2.775 | 166.309032 |
| Nigade 220kV | 08/01/2020 05:30:00 | 23 | 23700.0 | 3472.5 | 12.5 | -3460.0 | 14.6 | 0.00 | -3.428 | 0.000000 |
| Nigade 220kV | 08/01/2020 05:45:00 | 24 | 23700.0 | 3462.5 | 9.38 | -3453.12 | 14.57 | 0.00 | -2.775 | 0.000000 |
| Nigade 220kV | 08/01/2020 06:00:00 | 25 | 23700.0 | 3462.5 | 6.25 | -3456.25 | 14.58 | 0.00 | -2.220 | 0.000000 |
| Nigade 220kV | 08/01/2020 06:15:00 | 26 | 23700.0 | 3465.0 | 46.88 | -3418.12 | 14.42 | 0.00 | 2.220 | 699.842748 |
| Nigade 220kV | 08/01/2020 06:30:00 | 27 | 23700.0 | 3470.0 | 146.88 | -3323.12 | 14.02 | 0.00 | 5.387 | 5981.490800 |
| Nigade 220kV | 08/01/2020 06:45:00 | 28 | 23700.0 | 3465.0 | 250.0 | -3215.0 | 13.57 | 0.00 | -4.734 | 0.000000 |
| Nigade 220kV | 08/01/2020 07:00:00 | 29 | 23700.0 | 3387.5 | 343.75 | -3043.75 | 12.84 | 0.00 | -4.407 | 0.000000 |
| Nigade 220kV | 08/01/2020 07:15:00 | 30 | 23700.0 | 3442.5 | 387.5 | -3055.0 | 12.89 | 0.00 | 5.061 | 5384.692905 |
| Nigade 220kV | 08/01/2020 07:30:00 | 31 | 23700.0 | 3445.0 | 484.38 | -2960.62 | 12.49 | 0.00 | 5.714 | 4993.086280 |
| Nigade 220kV | 08/01/2020 07:45:00 | 32 | 23700.0 | 3455.0 | 578.12 | -2876.88 | 12.14 | 0.00 | 5.061 | 1907.470433 |
| Nigade 220kV | 08/01/2020 08:00:00 | 33 | 23700.0 | 3480.0 | 659.38 | -2820.62 | 11.9 | 0.00 | 2.775 | 0.000000 |
| Nigade 220kV | 08/01/2020 08:15:00 | 34 | 23700.0 | 3482.5 | 625.0 | -2857.5 | 12.06 | 0.00 | 2.775 | 0.000000 |
| Nigade 220kV | 08/01/2020 08:30:00 | 35 | 23700.0 | 3507.5 | 718.75 | -2788.75 | 11.77 | 0.00 | 5.387 | 0.000000 |
| Nigade 220kV | 08/01/2020 08:45:00 | 36 | 23700.0 | 3462.5 | 528.12 | -2934.38 | 12.38 | 0.00 | 16.000 | 0.000000 |

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| Nigade 220kV | 08/01/2020 09:00:00 | 37 | 23700.0 | 3410.0 | 268.75 | -3141.25 | 13.25 | 0.00 | 7.673 | 0.000000 |
| Nigade 220kV | 08/01/2020 09:15:00 | 38 | 23700.0 | 3480.0 | 118.75 | -3361.25 | 14.18 | 0.00 | 7.673 | 0.000000 |
| Nigade 220kV | 08/01/2020 09:30:00 | 39 | 23700.0 | 3462.5 | 68.75 | -3393.75 | 14.32 | 0.00 | 3.101 | 0.000000 |
| Nigade 220kV | 08/01/2020 09:45:00 | 40 | 23700.0 | 3465.0 | 118.75 | -3346.25 | 14.12 | 0.00 | -3.101 | 0.000000 |
| Nigade 220kV | 08/01/2020 10:00:00 | 41 | 23700.0 | 3470.0 | 65.62 | -3404.38 | 14.36 | 0.00 | -3.101 | 0.000000 |
| Nigade 220kV | 08/01/2020 10:15:00 | 42 | 23700.0 | 3465.0 | 6.25 | -3458.75 | 14.59 | 0.00 | -3.101 | 0.000000 |
| Nigade 220kV | 08/01/2020 10:30:00 | 43 | 23700.0 | 3470.0 | 53.12 | -3416.88 | 14.42 | 0.00 | -1.665 | 0.000000 |
| Nigade 220kV | 08/01/2020 10:45:00 | 44 | 23700.0 | 3472.5 | 12.5 | -3460.0 | 14.6 | 0.00 | 0.000 | 0.000000 |
| Nigade 220kV | 08/01/2020 11:00:00 | 45 | 23700.0 | 3462.5 | 3.12 | -3459.38 | 14.6 | 0.00 | -1.486 | 0.000000 |
| Nigade 220kV | 08/01/2020 11:15:00 | 46 | 23700.0 | 3462.5 | 3.12 | -3459.38 | 14.6 | 0.00 | -1.305 | 0.000000 |
| Nigade 220kV | 08/01/2020 11:30:00 | 47 | 23700.0 | 3465.0 | 75.0 | -3390.0 | 14.3 | 0.00 | -2.425 | 0.000000 |
| Nigade 220kV | 08/01/2020 11:45:00 | 48 | 23700.0 | 3470.0 | 134.38 | -3335.62 | 14.07 | 0.00 | -2.775 | 0.000000 |
| Nigade 220kV | 08/01/2020 12:00:00 | 49 | 23700.0 | 3465.0 | 256.25 | -3208.75 | 13.54 | 0.00 | -2.083 | 0.000000 |
| Nigade 220kV | 08/01/2020 12:15:00 | 50 | 23700.0 | 3470.0 | 203.12 | -3266.88 | 13.78 | 0.00 | -3.242 | 0.000000 |
| Nigade 220kV | 08/01/2020 12:30:00 | 51 | 23700.0 | 3472.5 | 515.62 | -2956.88 | 12.48 | 0.00 | -1.330 | 0.000000 |
| Nigade 220kV | 08/01/2020 12:45:00 | 52 | 23700.0 | 3462.5 | 453.12 | -3009.38 | 12.7 | 0.00 | -0.830 | 0.000000 |
| Nigade 220kV | 08/01/2020 13:00:00 | 53 | 23700.0 | 3462.5 | 450.0 | -3012.5 | 12.71 | 0.00 | 2.775 | 0.000000 |
| Nigade 220kV | 08/01/2020 13:15:00 | 54 | 23700.0 | 3465.0 | 521.88 | -2943.12 | 12.42 | 0.00 | 0.000 | 0.000000 |
| Nigade 220kV | 08/01/2020 13:30:00 | 55 | 23700.0 | 3470.0 | 640.62 | -2829.38 | 11.94 | 0.00 | -1.012 | 0.000000 |
| Nigade 220kV | 08/01/2020 13:45:00 | 56 | 23700.0 | 3465.0 | 1037.5 | -2427.5 | 10.24 | 0.00 | -1.087 | 0.000000 |
| Nigade 220kV | 08/01/2020 14:00:00 | 57 | 23700.0 | 3410.0 | 1128.12 | -2281.88 | 9.63 | 0.00 | -3.101 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nigade 220kV | 08/01/2020 14:15:00 | 58 | 23700.0 | 3480.0 | 1243.75 | -2236.25 | 9.44 | 0.00 | -4.081 | 0.000000 |
| Nigade 220kV | 08/01/2020 14:30:00 | 59 | 23700.0 | 3412.5 | 1040.62 | -2371.88 | 10.01 | 0.00 | -2.996 | 0.000000 |
| Nigade 220kV | 08/01/2020 14:45:00 | 60 | 23700.0 | 3505.0 | 1096.88 | -2408.12 | 10.16 | 0.00 | -3.101 | 0.000000 |
| Nigade 220kV | 08/01/2020 15:00:00 | 61 | 23700.0 | 3387.5 | 1087.5 | -2300.0 | 9.7 | 0.00 | -1.879 | 0.000000 |
| Nigade 220kV | 08/01/2020 15:15:00 | 62 | 23700.0 | 3482.5 | 1271.88 | -2210.62 | 9.33 | 0.00 | -4.081 | 0.000000 |
| Nigade 220kV | 08/01/2020 15:30:00 | 63 | 23700.0 | 3507.5 | 1650.0 | -1857.5 | 7.84 | 0.00 | 4.938 | 0.000000 |
| Nigade 220kV | 08/01/2020 15:45:00 | 64 | 23700.0 | 3462.5 | 2359.38 | -1103.12 | 4.65 | 0.00 | 4.719 | 0.000000 |
| Nigade 220kV | 08/01/2020 16:00:00 | 65 | 23700.0 | 3410.0 | 2018.75 | -1391.25 | 5.87 | 0.00 | 0.555 | 0.000000 |
| Nigade 220kV | 08/01/2020 16:15:00 | 66 | 23700.0 | 3480.0 | 2421.88 | -1058.12 | 4.46 | 0.00 | -4.081 | 0.000000 |
| Nigade 220kV | 08/01/2020 16:30:00 | 67 | 23700.0 | 3412.5 | 2181.25 | -1231.25 | 5.2 | 0.00 | -3.754 | 0.000000 |
| Nigade 220kV | 08/01/2020 16:45:00 | 68 | 23700.0 | 3505.0 | 1771.88 | -1733.12 | 7.31 | 0.00 | -8.000 | 0.000000 |
| Nigade 220kV | 08/01/2020 17:00:00 | 69 | 23700.0 | 3387.5 | 1984.38 | -1403.12 | 5.92 | 0.00 | 0.000 | 0.000000 |
| Nigade 220kV | 08/01/2020 17:15:00 | 70 | 23700.0 | 3442.5 | 2550.0 | -892.5 | 3.77 | 0.00 | 4.081 | 171.204141 |
| Nigade 220kV | 08/01/2020 17:30:00 | 71 | 23700.0 | 3445.0 | 2084.38 | -1360.62 | 5.74 | 0.00 | -5.387 | 0.000000 |
| Nigade 220kV | 08/01/2020 17:45:00 | 72 | 23700.0 | 3455.0 | 1850.0 | -1605.0 | 6.77 | 0.00 | -3.101 | 0.000000 |
| Nigade 220kV | 08/01/2020 18:00:00 | 73 | 23700.0 | 3480.0 | 2000.0 | -1480.0 | 6.24 | 0.00 | -2.775 | 0.000000 |
| Nigade 220kV | 08/01/2020 18:15:00 | 74 | 23700.0 | 3482.5 | 1693.75 | -1788.75 | 7.55 | 0.00 | -3.101 | 0.000000 |
| Nigade 220kV | 08/01/2020 18:30:00 | 75 | 23700.0 | 3507.5 | 1534.38 | -1973.12 | 8.33 | 0.00 | -2.220 | 0.000000 |
| Nigade 220kV | 08/01/2020 18:45:00 | 76 | 23700.0 | 3462.5 | 1371.88 | -2090.62 | 8.82 | 0.00 | 2.220 | 1647.982534 |
| Nigade 220kV | 08/01/2020 19:00:00 | 77 | 23700.0 | 3410.0 | 1637.5 | -1772.5 | 7.48 | 0.00 | 1.110 | 0.000000 |
| Nigade 220kV | 08/01/2020 19:15:00 | 78 | 23700.0 | 3480.0 | 1409.38 | -2070.62 | 8.74 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nigade 220kV | 08/01/2020 19:30:00 | 79 | 23700.0 | 3462.5 | 1525.0 | -1937.5 | 8.18 | 0.00 | -2.220 | 0.000000 |
| Nigade 220kV | 08/01/2020 19:45:00 | 80 | 23700.0 | 3465.0 | 1718.75 | -1746.25 | 7.37 | 0.00 | -0.555 | 0.000000 |
| Nigade 220kV | 08/01/2020 20:00:00 | 81 | 23700.0 | 3470.0 | 1490.62 | -1979.38 | 8.35 | 0.00 | 2.775 | 0.000000 |
| Nigade 220kV | 08/01/2020 20:15:00 | 82 | 23700.0 | 3465.0 | 1128.12 | -2336.88 | 9.86 | 0.00 | 3.101 | 3907.453669 |
| Nigade 220kV | 08/01/2020 20:30:00 | 83 | 23700.0 | 3470.0 | 653.12 | -2816.88 | 11.89 | 0.00 | 4.408 | 6380.821415 |
| Nigade 220kV | 08/01/2020 20:45:00 | 84 | 23700.0 | 3472.5 | 390.62 | -3081.88 | 13.0 | 0.00 | 3.101 | 2016.782109 |
| Nigade 220kV | 08/01/2020 21:00:00 | 85 | 23700.0 | 3462.5 | 275.0 | -3187.5 | 13.45 | 0.00 | 3.101 | 0.000000 |
| Nigade 220kV | 08/01/2020 21:15:00 | 86 | 23700.0 | 3462.5 | 293.75 | -3168.75 | 13.37 | 0.00 | -0.555 | 0.000000 |
| Nigade 220kV | 08/01/2020 21:30:00 | 87 | 23700.0 | 3465.0 | 234.38 | -3230.62 | 13.63 | 0.00 | -1.110 | 0.000000 |
| Nigade 220kV | 08/01/2020 21:45:00 | 88 | 23700.0 | 3470.0 | 150.0 | -3320.0 | 14.01 | 0.00 | -1.110 | 0.000000 |
| Nigade 220kV | 08/01/2020 22:00:00 | 89 | 23700.0 | 3465.0 | 112.5 | -3352.5 | 14.15 | 0.00 | -2.489 | 0.000000 |
| Nigade 220kV | 08/01/2020 22:15:00 | 90 | 23700.0 | 3470.0 | 96.88 | -3373.12 | 14.23 | 0.00 | -2.775 | 0.000000 |
| Nigade 220kV | 08/01/2020 22:30:00 | 91 | 23700.0 | 3472.5 | 90.62 | -3381.88 | 14.27 | 0.00 | -2.223 | 0.000000 |
| Nigade 220kV | 08/01/2020 22:45:00 | 92 | 23700.0 | 3462.5 | 106.25 | -3356.25 | 14.16 | 0.00 | 1.110 | 0.000000 |
| Nigade 220kV | 08/01/2020 23:00:00 | 93 | 23700.0 | 3462.5 | 21.88 | -3440.62 | 14.52 | 0.00 | 1.110 | 367.324041 |
| Nigade 220kV | 08/01/2020 23:15:00 | 94 | 23700.0 | 3465.0 | 0.0 | -3465.0 | 14.62 | 0.00 | 1.110 | 0.000000 |
| Nigade 220kV | 08/01/2020 23:30:00 | 95 | 23700.0 | 3470.0 | 0.0 | -3470.0 | 14.64 | 0.00 | 2.775 | 31.544102 |
| Nigade 220kV | 08/01/2020 23:45:00 | 96 | 23700.0 | 3465.0 | 0.0 | -3465.0 | 14.62 | 0.00 | 0.000 | 0.000000 |
| Nigade 220kV | 09/01/2020 00:00:00 | 1 | 23700.0 | 3387.5 | 15.62 | -3371.88 | 14.23 | 0.00 | -0.576 | 0.000000 |
| Nigade 220kV | 09/01/2020 00:15:00 | 2 | 23700.0 | 3442.5 | 28.12 | -3414.38 | 14.41 | 0.00 | -1.727 | 0.000000 |
| Nigade 220kV | 09/01/2020 00:30:00 | 3 | 23700.0 | 3445.0 | 21.88 | -3423.12 | 14.44 | 0.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nigade 220kV | 09/01/2020 00:45:00 | 4 | 23700.0 | 3455.0 | 50.0 | -3405.0 | 14.37 | 0.00 | -2.879 | 0.000000 |
| Nigade 220kV | 09/01/2020 01:00:00 | 5 | 23700.0 | 3480.0 | 84.38 | -3395.62 | 14.33 | 0.00 | -3.519 | 0.000000 |
| Nigade 220kV | 09/01/2020 01:15:00 | 6 | 23700.0 | 3482.5 | 234.38 | -3248.12 | 13.71 | 0.00 | -3.519 | 0.000000 |
| Nigade 220kV | 09/01/2020 01:30:00 | 7 | 23700.0 | 3412.5 | 212.5 | -3200.0 | 13.5 | 0.00 | -3.199 | 0.000000 |
| Nigade 220kV | 09/01/2020 01:45:00 | 8 | 23700.0 | 3462.5 | 353.12 | -3109.38 | 13.12 | 0.00 | 3.519 | 755.540564 |
| Nigade 220kV | 09/01/2020 02:00:00 | 9 | 23700.0 | 3410.0 | 490.62 | -2919.38 | 12.32 | 0.00 | 3.519 | 3213.968576 |
| Nigade 220kV | 09/01/2020 02:15:00 | 10 | 23700.0 | 3480.0 | 237.5 | -3242.5 | 13.68 | 0.00 | 2.879 | 1565.599953 |
| Nigade 220kV | 09/01/2020 02:30:00 | 11 | 23700.0 | 3462.5 | 162.5 | -3300.0 | 13.92 | 0.00 | 3.199 | 2292.467747 |
| Nigade 220kV | 09/01/2020 02:45:00 | 12 | 23700.0 | 3465.0 | 687.5 | -2777.5 | 11.72 | 0.00 | 1.152 | 0.000000 |
| Nigade 220kV | 09/01/2020 03:00:00 | 13 | 23700.0 | 3470.0 | 406.25 | -3063.75 | 12.93 | 0.00 | -2.879 | 0.000000 |
| Nigade 220kV | 09/01/2020 03:15:00 | 14 | 23700.0 | 3465.0 | 365.62 | -3099.38 | 13.08 | 0.00 | -3.839 | 0.000000 |
| Nigade 220kV | 09/01/2020 03:30:00 | 15 | 23700.0 | 3470.0 | 371.88 | -3098.12 | 13.07 | 0.00 | 3.199 | 0.000000 |
| Nigade 220kV | 09/01/2020 03:45:00 | 16 | 23700.0 | 3472.5 | 403.12 | -3069.38 | 12.95 | 0.00 | 0.000 | 0.000000 |
| Nigade 220kV | 09/01/2020 04:00:00 | 17 | 23700.0 | 3462.5 | 15.62 | -3446.88 | 14.54 | 0.00 | 1.727 | 0.000000 |
| Nigade 220kV | 09/01/2020 04:15:00 | 18 | 23700.0 | 3462.5 | 0.0 | -3462.5 | 14.61 | 0.00 | 1.727 | 0.000000 |
| Nigade 220kV | 09/01/2020 04:30:00 | 19 | 23700.0 | 3465.0 | 0.0 | -3465.0 | 14.62 | 0.00 | 1.727 | 0.000000 |
| Nigade 220kV | 09/01/2020 04:45:00 | 20 | 23700.0 | 3470.0 | 0.0 | -3470.0 | 14.64 | 0.00 | 2.879 | 2990.480828 |
| Nigade 220kV | 09/01/2020 05:00:00 | 21 | 23700.0 | 3465.0 | 0.0 | -3465.0 | 14.62 | 0.00 | 3.839 | 1729.654267 |
| Nigade 220kV | 09/01/2020 05:15:00 | 22 | 23700.0 | 3470.0 | 3.12 | -3466.88 | 14.63 | 0.00 | 5.119 | 4893.510822 |
| Nigade 220kV | 09/01/2020 05:30:00 | 23 | 23700.0 | 3472.5 | 0.0 | -3472.5 | 14.65 | 0.00 | 4.064 | 8932.672408 |
| Nigade 220kV | 09/01/2020 05:45:00 | 24 | 23700.0 | 3462.5 | 0.0 | -3462.5 | 14.61 | 0.00 | 1.152 | 24.427390 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nigade 220kV | 09/01/2020 06:00:00 | 25 | 23700.0 | 3462.5 | 6.25 | -3456.25 | 14.58 | 0.00 | -2.303 | 0.000000 |
| Nigade 220kV | 09/01/2020 06:15:00 | 26 | 23700.0 | 3465.0 | 84.38 | -3380.62 | 14.26 | 0.00 | 2.303 | 2248.616250 |
| Nigade 220kV | 09/01/2020 06:30:00 | 27 | 23700.0 | 3470.0 | 62.5 | -3407.5 | 14.38 | 0.00 | -3.839 | 0.000000 |
| Nigade 220kV | 09/01/2020 06:45:00 | 28 | 23700.0 | 3465.0 | 37.5 | -3427.5 | 14.46 | 0.00 | -2.879 | 0.000000 |
| Nigade 220kV | 09/01/2020 07:00:00 | 29 | 23700.0 | 3387.5 | 6.25 | -3381.25 | 14.27 | 0.00 | -2.879 | 0.000000 |
| Nigade 220kV | 09/01/2020 07:15:00 | 30 | 23700.0 | 3442.5 | 0.0 | -3442.5 | 14.53 | 0.00 | 6.400 | 1712.666948 |
| Nigade 220kV | 09/01/2020 07:30:00 | 31 | 23700.0 | 3445.0 | 0.0 | -3445.0 | 14.54 | 0.00 | 1.172 | 0.000000 |
| Nigade 220kV | 09/01/2020 07:45:00 | 32 | 23700.0 | 3455.0 | 0.0 | -3455.0 | 14.58 | 0.00 | 0.576 | 0.000000 |
| Nigade 220kV | 09/01/2020 08:00:00 | 33 | 23700.0 | 3480.0 | 0.0 | -3480.0 | 14.68 | 0.00 | -0.576 | 0.000000 |
| Nigade 220kV | 09/01/2020 08:15:00 | 34 | 23700.0 | 3482.5 | 0.0 | -3482.5 | 14.69 | 0.00 | -1.152 | 0.000000 |
| Nigade 220kV | 09/01/2020 08:30:00 | 35 | 23700.0 | 3507.5 | 0.0 | -3507.5 | 14.8 | 0.00 | 0.576 | 0.000000 |
| Nigade 220kV | 09/01/2020 08:45:00 | 36 | 23700.0 | 3462.5 | 0.0 | -3462.5 | 14.61 | 0.00 | 0.000 | 0.000000 |
| Nigade 220kV | 09/01/2020 09:00:00 | 37 | 23700.0 | 3410.0 | 0.0 | -3410.0 | 14.39 | 0.00 | 1.152 | 0.000000 |
| Nigade 220kV | 09/01/2020 09:15:00 | 38 | 23700.0 | 3480.0 | 0.0 | -3480.0 | 14.68 | 0.00 | 1.727 | 0.000000 |
| Nigade 220kV | 09/01/2020 09:30:00 | 39 | 23700.0 | 3462.5 | 0.0 | -3462.5 | 14.61 | 0.00 | -3.839 | 0.000000 |
| Nigade 220kV | 09/01/2020 09:45:00 | 40 | 23700.0 | 3465.0 | 0.0 | -3465.0 | 14.62 | 0.00 | -1.152 | 0.000000 |
| Nigade 220kV | 09/01/2020 10:00:00 | 41 | 23700.0 | 3470.0 | 0.0 | -3470.0 | 14.64 | 0.00 | 0.000 | 0.000000 |
| Nigade 220kV | 09/01/2020 10:15:00 | 42 | 23700.0 | 3465.0 | 0.0 | -3465.0 | 14.62 | 0.00 | 1.727 | 0.000000 |
| Nigade 220kV | 09/01/2020 10:30:00 | 43 | 23700.0 | 3470.0 | 0.0 | -3470.0 | 14.64 | 0.00 | 2.303 | 0.000000 |
| Nigade 220kV | 09/01/2020 10:45:00 | 44 | 23700.0 | 3472.5 | 0.0 | -3472.5 | 14.65 | 0.00 | -1.144 | 0.000000 |
| Nigade 220kV | 09/01/2020 11:00:00 | 45 | 23700.0 | 3462.5 | 0.0 | -3462.5 | 14.61 | 0.00 | -4.479 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nigade 220kV | 09/01/2020 11:15:00 | 46 | 23700.0 | 3462.5 | 0.0 | -3462.5 | 14.61 | 0.00 | -3.519 | 0.000000 |
| Nigade 220kV | 09/01/2020 11:30:00 | 47 | 23700.0 | 3465.0 | 0.0 | -3465.0 | 14.62 | 0.00 | -2.303 | 0.000000 |
| Nigade 220kV | 09/01/2020 11:45:00 | 48 | 23700.0 | 3470.0 | 0.0 | -3470.0 | 14.64 | 0.00 | -0.576 | 0.000000 |
| Nigade 220kV | 09/01/2020 12:00:00 | 49 | 23700.0 | 3465.0 | 0.0 | -3465.0 | 14.62 | 0.00 | 0.000 | 0.000000 |
| Nigade 220kV | 09/01/2020 12:15:00 | 50 | 23700.0 | 3470.0 | 0.0 | -3470.0 | 14.64 | 0.00 | 3.839 | 0.000000 |
| Nigade 220kV | 09/01/2020 12:30:00 | 51 | 23700.0 | 3472.5 | 0.0 | -3472.5 | 14.65 | 0.00 | 3.199 | 0.000000 |
| Nigade 220kV | 09/01/2020 12:45:00 | 52 | 23700.0 | 3462.5 | 0.0 | -3462.5 | 14.61 | 0.00 | 3.199 | 0.000000 |
| Nigade 220kV | 09/01/2020 13:00:00 | 53 | 23700.0 | 3462.5 | 0.0 | -3462.5 | 14.61 | 0.00 | -1.152 | 0.000000 |
| Nigade 220kV | 09/01/2020 13:15:00 | 54 | 23700.0 | 3465.0 | 0.0 | -3465.0 | 14.62 | 0.00 | -1.152 | 0.000000 |
| Nigade 220kV | 09/01/2020 13:30:00 | 55 | 23700.0 | 3470.0 | 0.0 | -3470.0 | 14.64 | 0.00 | 1.727 | 0.000000 |
| Nigade 220kV | 09/01/2020 13:45:00 | 56 | 23700.0 | 3465.0 | 0.0 | -3465.0 | 14.62 | 0.00 | 3.199 | 0.000000 |
| Nigade 220kV | 09/01/2020 14:00:00 | 57 | 23700.0 | 3410.0 | 0.0 | -3410.0 | 14.39 | 0.00 | 4.345 | 0.000000 |
| Nigade 220kV | 09/01/2020 14:15:00 | 58 | 23700.0 | 3480.0 | 0.0 | -3480.0 | 14.68 | 0.00 | 3.941 | 0.000000 |
| Nigade 220kV | 09/01/2020 14:30:00 | 59 | 23700.0 | 3412.5 | 3.12 | -3409.38 | 14.39 | 0.00 | 1.152 | 0.000000 |
| Nigade 220kV | 09/01/2020 14:45:00 | 60 | 23700.0 | 3505.0 | 0.0 | -3505.0 | 14.79 | 0.00 | -0.576 | 0.000000 |
| Nigade 220kV | 09/01/2020 15:00:00 | 61 | 23700.0 | 3387.5 | 0.0 | -3387.5 | 14.29 | 0.00 | -1.006 | 0.000000 |
| Nigade 220kV | 09/01/2020 15:15:00 | 62 | 23700.0 | 3482.5 | 0.0 | -3482.5 | 14.69 | 0.00 | 3.199 | 0.000000 |
| Nigade 220kV | 09/01/2020 15:30:00 | 63 | 23700.0 | 3507.5 | 6.25 | -3501.25 | 14.77 | 0.00 | 2.879 | 0.000000 |
| Nigade 220kV | 09/01/2020 15:45:00 | 64 | 23700.0 | 3462.5 | 6.25 | -3456.25 | 14.58 | 0.00 | 3.839 | 0.000000 |
| Nigade 220kV | 09/01/2020 16:00:00 | 65 | 23700.0 | 3410.0 | 9.38 | -3400.62 | 14.35 | 0.00 | 1.727 | 0.000000 |
| Nigade 220kV | 09/01/2020 16:15:00 | 66 | 23700.0 | 3480.0 | 9.38 | -3470.62 | 14.64 | 0.00 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nigade 220kV | 09/01/2020 16:30:00 | 67 | 23700.0 | 3412.5 | 9.38 | -3403.12 | 14.36 | 0.00 | -4.159 | 0.000000 |
| Nigade 220kV | 09/01/2020 16:45:00 | 68 | 23700.0 | 3505.0 | 15.62 | -3489.38 | 14.72 | 0.00 | 3.839 | 0.000000 |
| Nigade 220kV | 09/01/2020 17:00:00 | 69 | 23700.0 | 3387.5 | 37.5 | -3350.0 | 14.14 | 0.00 | 1.727 | 0.000000 |
| Nigade 220kV | 09/01/2020 17:15:00 | 70 | 23700.0 | 3442.5 | 40.62 | -3401.88 | 14.35 | 0.00 | 3.839 | 1169.279794 |
| Nigade 220kV | 09/01/2020 17:30:00 | 71 | 23700.0 | 3445.0 | 15.62 | -3429.38 | 14.47 | 0.00 | -2.879 | 0.000000 |
| Nigade 220kV | 09/01/2020 17:45:00 | 72 | 23700.0 | 3455.0 | 9.38 | -3445.62 | 14.54 | 0.00 | -4.146 | 0.000000 |
| Nigade 220kV | 09/01/2020 18:00:00 | 73 | 23700.0 | 3480.0 | 0.0 | -3480.0 | 14.68 | 0.00 | -3.349 | 0.000000 |
| Nigade 220kV | 09/01/2020 18:15:00 | 74 | 23700.0 | 3482.5 | 15.62 | -3466.88 | 14.63 | 0.00 | -4.563 | 0.000000 |
| Nigade 220kV | 09/01/2020 18:30:00 | 75 | 23700.0 | 3507.5 | 31.25 | -3476.25 | 14.67 | 0.00 | -3.839 | 0.000000 |
| Nigade 220kV | 09/01/2020 18:45:00 | 76 | 23700.0 | 3462.5 | 34.38 | -3428.12 | 14.46 | 0.00 | -2.879 | 0.000000 |
| Nigade 220kV | 09/01/2020 19:00:00 | 77 | 23700.0 | 3410.0 | 15.62 | -3394.38 | 14.32 | 0.00 | -3.199 | 0.000000 |
| Nigade 220kV | 09/01/2020 19:15:00 | 78 | 23700.0 | 3480.0 | 3.12 | -3476.88 | 14.67 | 0.00 | -1.727 | 0.000000 |
| Nigade 220kV | 09/01/2020 19:30:00 | 79 | 23700.0 | 3462.5 | 0.0 | -3462.5 | 14.61 | 0.00 | -1.442 | 0.000000 |
| Nigade 220kV | 09/01/2020 19:45:00 | 80 | 23700.0 | 3465.0 | 0.0 | -3465.0 | 14.62 | 0.00 | -0.286 | 0.000000 |
| Nigade 220kV | 09/01/2020 20:00:00 | 81 | 23700.0 | 3470.0 | 0.0 | -3470.0 | 14.64 | 0.00 | -1.070 | 0.000000 |
| Nigade 220kV | 09/01/2020 20:15:00 | 82 | 23700.0 | 3465.0 | 0.0 | -3465.0 | 14.62 | 0.00 | -2.236 | 0.000000 |
| Nigade 220kV | 09/01/2020 20:30:00 | 83 | 23700.0 | 3470.0 | 0.0 | -3470.0 | 14.64 | 0.00 | -4.799 | 0.000000 |
| Nigade 220kV | 09/01/2020 20:45:00 | 84 | 23700.0 | 3472.5 | 0.0 | -3472.5 | 14.65 | 0.00 | -1.727 | 0.000000 |
| Nigade 220kV | 09/01/2020 21:00:00 | 85 | 23700.0 | 3462.5 | 0.0 | -3462.5 | 14.61 | 0.00 | -1.727 | 0.000000 |
| Nigade 220kV | 09/01/2020 21:15:00 | 86 | 23700.0 | 3462.5 | 0.0 | -3462.5 | 14.61 | 0.00 | 1.152 | 0.000000 |
| Nigade 220kV | 09/01/2020 21:30:00 | 87 | 23700.0 | 3465.0 | 0.0 | -3465.0 | 14.62 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nigade 220kV | 09/01/2020 21:45:00 | 88 | 23700.0 | 3470.0 | 0.0 | -3470.0 | 14.64 | 0.00 | -2.303 | 0.000000 |
| Nigade 220kV | 09/01/2020 22:00:00 | 89 | 23700.0 | 3465.0 | 0.0 | -3465.0 | 14.62 | 0.00 | -2.795 | 0.000000 |
| Nigade 220kV | 09/01/2020 22:15:00 | 90 | 23700.0 | 3470.0 | 0.0 | -3470.0 | 14.64 | 0.00 | -3.674 | 0.000000 |
| Nigade 220kV | 09/01/2020 22:30:00 | 91 | 23700.0 | 3472.5 | 0.0 | -3472.5 | 14.65 | 0.00 | -2.303 | 0.000000 |
| Nigade 220kV | 09/01/2020 22:45:00 | 92 | 23700.0 | 3462.5 | 0.0 | -3462.5 | 14.61 | 0.00 | -1.152 | 0.000000 |
| Nigade 220kV | 09/01/2020 23:00:00 | 93 | 23700.0 | 3462.5 | 0.0 | -3462.5 | 14.61 | 0.00 | 0.000 | 0.000000 |
| Nigade 220kV | 09/01/2020 23:15:00 | 94 | 23700.0 | 3465.0 | 0.0 | -3465.0 | 14.62 | 0.00 | -0.576 | 0.000000 |
| Nigade 220kV | 09/01/2020 23:30:00 | 95 | 23700.0 | 3470.0 | 6.25 | -3463.75 | 14.61 | 0.00 | -0.576 | 0.000000 |
| Nigade 220kV | 09/01/2020 23:45:00 | 96 | 23700.0 | 3465.0 | 3.12 | -3461.88 | 14.61 | 0.00 | -0.987 | 0.000000 |
| Nigade 220kV | 10/01/2020 00:00:00 | 1 | 23700.0 | 3387.5 | 37.5 | -3350.0 | 14.14 | 0.00 | -0.680 | 0.000000 |
| Nigade 220kV | 10/01/2020 00:15:00 | 2 | 23700.0 | 3442.5 | 184.38 | -3258.12 | 13.75 | 0.00 | -3.326 | 0.000000 |
| Nigade 220kV | 10/01/2020 00:30:00 | 3 | 23700.0 | 3445.0 | 296.88 | -3148.12 | 13.28 | 0.00 | -2.992 | 0.000000 |
| Nigade 220kV | 10/01/2020 00:45:00 | 4 | 23700.0 | 3455.0 | 403.12 | -3051.88 | 12.88 | 0.00 | -0.532 | 0.000000 |
| Nigade 220kV | 10/01/2020 01:00:00 | 5 | 23700.0 | 3480.0 | 628.12 | -2851.88 | 12.03 | 0.00 | -0.713 | 0.000000 |
| Nigade 220kV | 10/01/2020 01:15:00 | 6 | 23700.0 | 3482.5 | 1128.12 | -2354.38 | 9.93 | 0.00 | -0.548 | 0.000000 |
| Nigade 220kV | 10/01/2020 01:30:00 | 7 | 23700.0 | 3412.5 | 1356.25 | -2056.25 | 8.68 | 0.00 | -2.658 | 0.000000 |
| Nigade 220kV | 10/01/2020 01:45:00 | 8 | 23700.0 | 3462.5 | 1543.75 | -1918.75 | 8.1 | 0.00 | 2.127 | 0.000000 |
| Nigade 220kV | 10/01/2020 02:00:00 | 9 | 23700.0 | 3410.0 | 1718.75 | -1691.25 | 7.14 | 0.00 | 5.342 | 3313.784166 |
| Nigade 220kV | 10/01/2020 02:15:00 | 10 | 23700.0 | 3480.0 | 2028.12 | -1451.88 | 6.13 | 0.00 | 1.595 | 0.000000 |
| Nigade 220kV | 10/01/2020 02:30:00 | 11 | 23700.0 | 3462.5 | 2675.0 | -787.5 | 3.32 | 0.00 | 3.326 | 0.000000 |
| Nigade 220kV | 10/01/2020 02:45:00 | 12 | 23700.0 | 6412.5 | 3312.5 | -3100.0 | 13.08 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nigade 220kV | 10/01/2020 03:00:00 | 13 | 23700.0 | 6337.5 | 3231.25 | -3106.25 | 13.11 | 0.00 | 2.658 | 0.000000 |
| Nigade 220kV | 10/01/2020 03:15:00 | 14 | 23700.0 | 6090.0 | 3078.12 | -3011.88 | 12.71 | 0.00 | 2.127 | 477.572054 |
| Nigade 220kV | 10/01/2020 03:30:00 | 15 | 23700.0 | 6080.0 | 3343.75 | -2736.25 | 11.55 | 0.00 | 2.127 | 514.389528 |
| Nigade 220kV | 10/01/2020 03:45:00 | 16 | 23700.0 | 5905.0 | 4350.0 | -1555.0 | 6.56 | 0.00 | -1.063 | 0.000000 |
| Nigade 220kV | 10/01/2020 04:00:00 | 17 | 23700.0 | 5830.0 | 5237.5 | -592.5 | 2.5 | 0.00 | 1.595 | 0.000000 |
| Nigade 220kV | 10/01/2020 04:15:00 | 18 | 23700.0 | 4590.0 | 5828.12 | 1238.12 | 5.22 | 0.00 | 3.326 | 0.000000 |
| Nigade 220kV | 10/01/2020 04:30:00 | 19 | 23700.0 | 4562.5 | 5928.12 | 1365.62 | 5.76 | 0.00 | 3.326 | 0.000000 |
| Nigade 220kV | 10/01/2020 04:45:00 | 20 | 23700.0 | 4580.0 | 6593.75 | 2013.75 | 8.5 | 0.00 | 2.127 | 0.000000 |
| Nigade 220kV | 10/01/2020 05:00:00 | 21 | 23700.0 | 4565.0 | 6946.88 | 2381.88 | 10.05 | 0.00 | 2.992 | 0.000000 |
| Nigade 220kV | 10/01/2020 05:15:00 | 22 | 23700.0 | 4412.5 | 7109.38 | 2696.88 | 11.38 | 0.00 | 1.063 | 0.000000 |
| Nigade 220kV | 10/01/2020 05:30:00 | 23 | 23700.0 | 4312.5 | 6809.38 | 2496.88 | 10.54 | 0.00 | -2.658 | 0.000000 |
| Nigade 220kV | 10/01/2020 05:45:00 | 24 | 23700.0 | 4330.0 | 6203.12 | 1873.12 | 7.9 | 0.00 | 2.127 | 0.000000 |
| Nigade 220kV | 10/01/2020 06:00:00 | 25 | 23700.0 | 4130.0 | 5912.5 | 1782.5 | 7.52 | 0.00 | -2.127 | 0.000000 |
| Nigade 220kV | 10/01/2020 06:15:00 | 26 | 23700.0 | 4135.0 | 6062.5 | 1927.5 | 8.13 | 0.00 | 2.658 | 0.000000 |
| Nigade 220kV | 10/01/2020 06:30:00 | 27 | 23700.0 | 4090.0 | 6690.62 | 2600.62 | 10.97 | 0.00 | -2.992 | 0.000000 |
| Nigade 220kV | 10/01/2020 06:45:00 | 28 | 23700.0 | 3840.0 | 6446.88 | 2606.88 | 11.0 | 0.00 | -3.077 | 0.000000 |
| Nigade 220kV | 10/01/2020 07:00:00 | 29 | 23700.0 | 3812.5 | 5865.62 | 2053.12 | 8.66 | 0.00 | -0.687 | 0.000000 |
| Nigade 220kV | 10/01/2020 07:15:00 | 30 | 23700.0 | 5830.0 | 6596.88 | 766.88 | 3.24 | 0.00 | -2.658 | 0.000000 |
| Nigade 220kV | 10/01/2020 07:30:00 | 31 | 23700.0 | 5827.5 | 7081.25 | 1253.75 | 5.29 | 0.00 | -1.063 | 0.000000 |
| Nigade 220kV | 10/01/2020 07:45:00 | 32 | 23700.0 | 5505.0 | 6781.25 | 1276.25 | 5.39 | 0.00 | -2.658 | 0.000000 |
| Nigade 220kV | 10/01/2020 08:00:00 | 33 | 23700.0 | 5552.5 | 6796.88 | 1244.38 | 5.25 | 0.00 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nigade 220kV | 10/01/2020 08:15:00 | 34 | 23700.0 | 5590.0 | 7187.5 | 1597.5 | 6.74 | 0.00 | -4.661 | -209.952212 |
| Nigade 220kV | 10/01/2020 08:30:00 | 35 | 23700.0 | 5380.0 | 6881.25 | 1501.25 | 6.33 | 0.00 | 5.663 | 0.000000 |
| Nigade 220kV | 10/01/2020 08:45:00 | 36 | 23700.0 | 5337.5 | 6456.25 | 1118.75 | 4.72 | 0.00 | 4.328 | 0.000000 |
| Nigade 220kV | 10/01/2020 09:00:00 | 37 | 23700.0 | 5312.5 | 5950.0 | 637.5 | 2.69 | 0.00 | -4.995 | -116.259985 |
| Nigade 220kV | 10/01/2020 09:15:00 | 38 | 23700.0 | 5162.5 | 5959.38 | 796.88 | 3.36 | 0.00 | -4.327 | -104.173128 |
| Nigade 220kV | 10/01/2020 09:30:00 | 39 | 23700.0 | 5087.5 | 5765.62 | 678.12 | 2.86 | 0.00 | -2.127 | -133.147997 |
| Nigade 220kV | 10/01/2020 09:45:00 | 40 | 23700.0 | 5062.5 | 5134.38 | 71.88 | 0.3 | 0.00 | -1.152 | -13.475809 |
| Nigade 220kV | 10/01/2020 10:00:00 | 41 | 23700.0 | 4580.0 | 4881.25 | 301.25 | 1.27 | 0.00 | 0.000 | 0.000000 |
| Nigade 220kV | 10/01/2020 10:15:00 | 42 | 23700.0 | 4310.0 | 4790.62 | 480.62 | 2.03 | 0.00 | -0.532 | -14.796007 |
| Nigade 220kV | 10/01/2020 10:30:00 | 43 | 23700.0 | 3580.0 | 4515.62 | 935.62 | 3.95 | 0.00 | -1.063 | -55.889990 |
| Nigade 220kV | 10/01/2020 10:45:00 | 44 | 23700.0 | 3472.5 | 4537.5 | 1065.0 | 4.49 | 0.00 | 0.000 | 0.000000 |
| Nigade 220kV | 10/01/2020 11:00:00 | 45 | 23700.0 | 3462.5 | 4121.88 | 659.38 | 2.78 | 0.00 | 2.658 | 0.000000 |
| Nigade 220kV | 10/01/2020 11:15:00 | 46 | 23700.0 | 3462.5 | 3690.62 | 228.12 | 0.96 | 0.00 | 0.000 | 0.000000 |
| Nigade 220kV | 10/01/2020 11:30:00 | 47 | 23700.0 | 3465.0 | 3609.38 | 144.38 | 0.61 | 0.00 | -1.595 | -3.931814 |
| Nigade 220kV | 10/01/2020 11:45:00 | 48 | 23700.0 | 3470.0 | 3984.38 | 514.38 | 2.17 | 0.00 | 2.992 | 0.000000 |
| Nigade 220kV | 10/01/2020 12:00:00 | 49 | 23700.0 | 3465.0 | 4490.62 | 1025.62 | 4.33 | 0.00 | 0.000 | 0.000000 |
| Nigade 220kV | 10/01/2020 12:15:00 | 50 | 23700.0 | 3470.0 | 4740.62 | 1270.62 | 5.36 | 0.00 | 2.127 | 0.000000 |
| Nigade 220kV | 10/01/2020 12:30:00 | 51 | 23700.0 | 3472.5 | 4512.5 | 1040.0 | 4.39 | 0.00 | 1.595 | 0.000000 |
| Nigade 220kV | 10/01/2020 12:45:00 | 52 | 23700.0 | 3462.5 | 5128.12 | 1665.62 | 7.03 | 0.00 | -1.063 | -66.178600 |
| Nigade 220kV | 10/01/2020 13:00:00 | 53 | 23700.0 | 3462.5 | 4418.75 | 956.25 | 4.03 | 0.00 | 2.658 | 0.000000 |
| Nigade 220kV | 10/01/2020 13:15:00 | 54 | 23700.0 | 3465.0 | 4362.5 | 897.5 | 3.79 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nigade 220kV | 10/01/2020 13:30:00 | 55 | 23700.0 | 3470.0 | 4462.5 | 992.5 | 4.19 | 0.00 | 2.127 | 0.000000 |
| Nigade 220kV | 10/01/2020 13:45:00 | 56 | 23700.0 | 3465.0 | 4015.62 | 550.62 | 2.32 | 0.00 | -3.326 | -22.352236 |
| Nigade 220kV | 10/01/2020 14:00:00 | 57 | 23700.0 | 3410.0 | 4031.25 | 621.25 | 2.62 | 0.00 | -2.992 | -2.009454 |
| Nigade 220kV | 10/01/2020 14:15:00 | 58 | 23700.0 | 3480.0 | 4268.75 | 788.75 | 3.33 | 0.00 | 3.660 | 0.000000 |
| Nigade 220kV | 10/01/2020 14:30:00 | 59 | 23700.0 | 3412.5 | 3996.88 | 584.38 | 2.47 | 0.00 | -2.127 | -34.871314 |
| Nigade 220kV | 10/01/2020 14:45:00 | 60 | 23700.0 | 3505.0 | 3871.88 | 366.88 | 1.55 | 0.00 | -2.127 | -8.529309 |
| Nigade 220kV | 10/01/2020 15:00:00 | 61 | 23700.0 | 3387.5 | 3800.0 | 412.5 | 1.74 | 0.00 | 0.000 | 0.000000 |
| Nigade 220kV | 10/01/2020 15:15:00 | 62 | 23700.0 | 3482.5 | 4103.12 | 620.62 | 2.62 | 0.00 | -2.992 | -75.273674 |
| Nigade 220kV | 10/01/2020 15:30:00 | 63 | 23700.0 | 3507.5 | 4059.38 | 551.88 | 2.33 | 0.00 | -4.995 | -237.089071 |
| Nigade 220kV | 10/01/2020 15:45:00 | 64 | 23700.0 | 3462.5 | 3312.5 | -150.0 | 0.63 | 0.00 | -4.327 | 0.000000 |
| Nigade 220kV | 10/01/2020 16:00:00 | 65 | 23700.0 | 3410.0 | 3159.38 | -250.62 | 1.06 | 0.00 | -4.995 | 0.000000 |
| Nigade 220kV | 10/01/2020 16:15:00 | 66 | 23700.0 | 3480.0 | 1859.38 | -1620.62 | 6.84 | 0.00 | -8.000 | 0.000000 |
| Nigade 220kV | 10/01/2020 16:30:00 | 67 | 23700.0 | 3412.5 | 1612.5 | -1800.0 | 7.59 | 0.00 | -8.000 | 0.000000 |
| Nigade 220kV | 10/01/2020 16:45:00 | 68 | 23700.0 | 3505.0 | 1565.62 | -1939.38 | 8.18 | 0.00 | 4.327 | 0.000000 |
| Nigade 220kV | 10/01/2020 17:00:00 | 69 | 23700.0 | 3387.5 | 1246.88 | -2140.62 | 9.03 | 0.00 | 0.532 | 0.000000 |
| Nigade 220kV | 10/01/2020 17:15:00 | 70 | 23700.0 | 3442.5 | 537.5 | -2905.0 | 12.26 | 0.00 | -1.595 | 0.000000 |
| Nigade 220kV | 10/01/2020 17:30:00 | 71 | 23700.0 | 3445.0 | 359.38 | -3085.62 | 13.02 | 0.00 | -2.658 | 0.000000 |
| Nigade 220kV | 10/01/2020 17:45:00 | 72 | 23700.0 | 3455.0 | 612.5 | -2842.5 | 11.99 | 0.00 | -2.127 | 0.000000 |
| Nigade 220kV | 10/01/2020 18:00:00 | 73 | 23700.0 | 3480.0 | 550.0 | -2930.0 | 12.36 | 0.00 | -1.461 | 0.000000 |
| Nigade 220kV | 10/01/2020 18:15:00 | 74 | 23700.0 | 3482.5 | 693.75 | -2788.75 | 11.77 | 0.00 | 3.326 | 980.011900 |
| Nigade 220kV | 10/01/2020 18:30:00 | 75 | 23700.0 | 3507.5 | 856.25 | -2651.25 | 11.19 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nigade 220kV | 10/01/2020 18:45:00 | 76 | 23700.0 | 3462.5 | 1290.62 | -2171.88 | 9.16 | 0.00 | 3.994 | 362.539750 |
| Nigade 220kV | 10/01/2020 19:00:00 | 77 | 23700.0 | 3410.0 | 1215.62 | -2194.38 | 9.26 | 0.00 | -2.127 | 0.000000 |
| Nigade 220kV | 10/01/2020 19:15:00 | 78 | 23700.0 | 3480.0 | 1153.12 | -2326.88 | 9.82 | 0.00 | -2.658 | 0.000000 |
| Nigade 220kV | 10/01/2020 19:30:00 | 79 | 23700.0 | 3462.5 | 1040.62 | -2421.88 | 10.22 | 0.00 | -3.660 | 0.000000 |
| Nigade 220kV | 10/01/2020 19:45:00 | 80 | 23700.0 | 3465.0 | 925.0 | -2540.0 | 10.72 | 0.00 | -3.326 | 0.000000 |
| Nigade 220kV | 10/01/2020 20:00:00 | 81 | 23700.0 | 3470.0 | 734.38 | -2735.62 | 11.54 | 0.00 | 3.660 | 666.858942 |
| Nigade 220kV | 10/01/2020 20:15:00 | 82 | 23700.0 | 3465.0 | 693.75 | -2771.25 | 11.69 | 0.00 | 3.660 | 2901.087269 |
| Nigade 220kV | 10/01/2020 20:30:00 | 83 | 23700.0 | 3470.0 | 893.75 | -2576.25 | 10.87 | 0.00 | 4.995 | 3828.722264 |
| Nigade 220kV | 10/01/2020 20:45:00 | 84 | 23700.0 | 3472.5 | 990.62 | -2481.88 | 10.47 | 0.00 | 2.992 | 2608.280953 |
| Nigade 220kV | 10/01/2020 21:00:00 | 85 | 23700.0 | 3462.5 | 1128.12 | -2334.38 | 9.85 | 0.00 | -3.660 | 0.000000 |
| Nigade 220kV | 10/01/2020 21:15:00 | 86 | 23700.0 | 3462.5 | 1209.38 | -2253.12 | 9.51 | 0.00 | -1.595 | 0.000000 |
| Nigade 220kV | 10/01/2020 21:30:00 | 87 | 23700.0 | 3465.0 | 1196.88 | -2268.12 | 9.57 | 0.00 | -1.063 | 0.000000 |
| Nigade 220kV | 10/01/2020 21:45:00 | 88 | 23700.0 | 3470.0 | 1118.75 | -2351.25 | 9.92 | 0.00 | -0.532 | 0.000000 |
| Nigade 220kV | 10/01/2020 22:00:00 | 89 | 23700.0 | 3465.0 | 1281.25 | -2183.75 | 9.21 | 0.00 | -1.595 | 0.000000 |
| Nigade 220kV | 10/01/2020 22:15:00 | 90 | 23700.0 | 3470.0 | 1209.38 | -2260.62 | 9.54 | 0.00 | -2.127 | 0.000000 |
| Nigade 220kV | 10/01/2020 22:30:00 | 91 | 23700.0 | 3472.5 | 1343.75 | -2128.75 | 8.98 | 0.00 | 1.063 | 0.000000 |
| Nigade 220kV | 10/01/2020 22:45:00 | 92 | 23700.0 | 3462.5 | 1540.62 | -1921.88 | 8.11 | 0.00 | -2.658 | 0.000000 |
| Nigade 220kV | 10/01/2020 23:00:00 | 93 | 23700.0 | 3462.5 | 1787.5 | -1675.0 | 7.07 | 0.00 | -2.658 | 0.000000 |
| Nigade 220kV | 10/01/2020 23:15:00 | 94 | 23700.0 | 3465.0 | 1987.5 | -1477.5 | 6.23 | 0.00 | 0.000 | 0.000000 |
| Nigade 220kV | 10/01/2020 23:30:00 | 95 | 23700.0 | 3470.0 | 2087.5 | -1382.5 | 5.83 | 0.00 | 0.000 | 0.000000 |
| Nigade 220kV | 10/01/2020 23:45:00 | 96 | 23700.0 | 3465.0 | 2068.75 | -1396.25 | 5.89 | 0.00 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nigade 220kV | 11/01/2020 00:00:00 | 1 | 23700.0 | 3387.5 | 2034.38 | -1353.12 | 5.71 | 0.00 | 0.000 | 0.000000 |
| Nigade 220kV | 11/01/2020 00:15:00 | 2 | 23700.0 | 3442.5 | 1962.5 | -1480.0 | 6.24 | 0.00 | -2.629 | 0.000000 |
| Nigade 220kV | 11/01/2020 00:30:00 | 3 | 23700.0 | 3445.0 | 2096.88 | -1348.12 | 5.69 | 0.00 | -1.577 | 0.000000 |
| Nigade 220kV | 11/01/2020 00:45:00 | 4 | 23700.0 | 3455.0 | 2365.62 | -1089.38 | 4.6 | 0.00 | 2.103 | 0.000000 |
| Nigade 220kV | 11/01/2020 01:00:00 | 5 | 23700.0 | 3480.0 | 2456.25 | -1023.75 | 4.32 | 0.00 | 2.964 | 480.971202 |
| Nigade 220kV | 11/01/2020 01:15:00 | 6 | 23700.0 | 3482.5 | 2396.88 | -1085.62 | 4.58 | 0.00 | 1.052 | 71.598614 |
| Nigade 220kV | 11/01/2020 01:30:00 | 7 | 23700.0 | 3412.5 | 2687.5 | -725.0 | 3.06 | 0.00 | 1.577 | 85.129353 |
| Nigade 220kV | 11/01/2020 01:45:00 | 8 | 23700.0 | 3462.5 | 3171.88 | -290.62 | 1.23 | 0.00 | -0.526 | 0.000000 |
| Nigade 220kV | 11/01/2020 02:00:00 | 9 | 23700.0 | 3410.0 | 4384.38 | 974.38 | 4.11 | 0.00 | -0.403 | 0.000000 |
| Nigade 220kV | 11/01/2020 02:15:00 | 10 | 23700.0 | 3480.0 | 5196.88 | 1716.88 | 7.24 | 0.00 | -0.630 | 0.000000 |
| Nigade 220kV | 11/01/2020 02:30:00 | 11 | 23700.0 | 3462.5 | 4928.12 | 1465.62 | 6.18 | 0.00 | -0.526 | 0.000000 |
| Nigade 220kV | 11/01/2020 02:45:00 | 12 | 23700.0 | 3465.0 | 3984.38 | 519.38 | 2.19 | 0.00 | -0.526 | -24.733255 |
| Nigade 220kV | 11/01/2020 03:00:00 | 13 | 23700.0 | 3470.0 | 3640.62 | 170.62 | 0.72 | 0.00 | -1.051 | 0.000000 |
| Nigade 220kV | 11/01/2020 03:15:00 | 14 | 23700.0 | 3465.0 | 3731.25 | 266.25 | 1.12 | 0.00 | 0.000 | 0.000000 |
| Nigade 220kV | 11/01/2020 03:30:00 | 15 | 23700.0 | 3470.0 | 4090.62 | 620.62 | 2.62 | 0.00 | 0.000 | 0.000000 |
| Nigade 220kV | 11/01/2020 03:45:00 | 16 | 23700.0 | 3472.5 | 3878.12 | 405.62 | 1.71 | 0.00 | 0.000 | 0.000000 |
| Nigade 220kV | 11/01/2020 04:00:00 | 17 | 23700.0 | 3462.5 | 3643.75 | 181.25 | 0.76 | 0.00 | 0.000 | 0.000000 |
| Nigade 220kV | 11/01/2020 04:15:00 | 18 | 23700.0 | 3462.5 | 3381.25 | -81.25 | 0.34 | 0.00 | -1.051 | 0.000000 |
| Nigade 220kV | 11/01/2020 04:30:00 | 19 | 23700.0 | 3465.0 | 3581.25 | 116.25 | 0.49 | 0.00 | -2.964 | 0.000000 |
| Nigade 220kV | 11/01/2020 04:45:00 | 20 | 23700.0 | 3470.0 | 3287.5 | -182.5 | 0.77 | 0.00 | -3.300 | 0.000000 |
| Nigade 220kV | 11/01/2020 05:00:00 | 21 | 23700.0 | 3465.0 | 2806.25 | -658.75 | 2.78 | 0.00 | 4.307 | 0.000000 |

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| Nigade 220kV | 11/01/2020 05:15:00 | 22 | 23700.0 | 3470.0 | 2859.38 | -610.62 | 2.58 | 0.00 | 5.314 | 765.103281 |
| Nigade 220kV | 11/01/2020 05:30:00 | 23 | 23700.0 | 3472.5 | 3093.75 | -378.75 | 1.6 | 0.00 | 2.964 | 229.314713 |
| Nigade 220kV | 11/01/2020 05:45:00 | 24 | 23700.0 | 3462.5 | 3865.62 | 403.12 | 1.7 | 0.00 | 2.103 | 0.000000 |
| Nigade 220kV | 11/01/2020 06:00:00 | 25 | 23700.0 | 3462.5 | 5253.12 | 1790.62 | 7.56 | 0.00 | 3.636 | 0.000000 |
| Nigade 220kV | 11/01/2020 06:15:00 | 26 | 23700.0 | 3465.0 | 5409.38 | 1944.38 | 8.2 | 0.00 | 2.964 | 0.000000 |
| Nigade 220kV | 11/01/2020 06:30:00 | 27 | 23700.0 | 3470.0 | 4653.12 | 1183.12 | 4.99 | 0.00 | 4.105 | 0.000000 |
| Nigade 220kV | 11/01/2020 06:45:00 | 28 | 23700.0 | 3465.0 | 4096.88 | 631.88 | 2.67 | 0.00 | 5.650 | 0.000000 |
| Nigade 220kV | 11/01/2020 07:00:00 | 29 | 23700.0 | 3387.5 | 4025.0 | 637.5 | 2.69 | 0.00 | 3.300 | 0.000000 |
| Nigade 220kV | 11/01/2020 07:15:00 | 30 | 23700.0 | 3442.5 | 3868.75 | 426.25 | 1.8 | 0.00 | 5.314 | 0.000000 |
| Nigade 220kV | 11/01/2020 07:30:00 | 31 | 23700.0 | 3445.0 | 3875.0 | 430.0 | 1.81 | 0.00 | 2.964 | 0.000000 |
| Nigade 220kV | 11/01/2020 07:45:00 | 32 | 23700.0 | 3455.0 | 4096.88 | 641.88 | 2.71 | 0.00 | 2.103 | 0.000000 |
| Nigade 220kV | 11/01/2020 08:00:00 | 33 | 23700.0 | 3480.0 | 4021.88 | 541.88 | 2.29 | 0.00 | -1.577 | -19.415122 |
| Nigade 220kV | 11/01/2020 08:15:00 | 34 | 23700.0 | 3482.5 | 3875.0 | 392.5 | 1.66 | 0.00 | 3.300 | 0.000000 |
| Nigade 220kV | 11/01/2020 08:30:00 | 35 | 23700.0 | 3507.5 | 2953.12 | -554.38 | 2.34 | 0.00 | 2.116 | 0.000000 |
| Nigade 220kV | 11/01/2020 08:45:00 | 36 | 23700.0 | 3462.5 | 1990.62 | -1471.88 | 6.21 | 0.00 | 2.964 | 0.000000 |
| Nigade 220kV | 11/01/2020 09:00:00 | 37 | 23700.0 | 3410.0 | 1593.75 | -1816.25 | 7.66 | 0.00 | 6.681 | 0.000000 |
| Nigade 220kV | 11/01/2020 09:15:00 | 38 | 23700.0 | 3480.0 | 1796.88 | -1683.12 | 7.1 | 0.00 | 6.657 | 0.000000 |
| Nigade 220kV | 11/01/2020 09:30:00 | 39 | 23700.0 | 3462.5 | 2568.75 | -893.75 | 3.77 | 0.00 | -6.322 | 0.000000 |
| Nigade 220kV | 11/01/2020 09:45:00 | 40 | 23700.0 | 3465.0 | 3181.25 | -283.75 | 1.2 | 0.00 | -2.103 | 0.000000 |
| Nigade 220kV | 11/01/2020 10:00:00 | 41 | 23700.0 | 3470.0 | 3318.75 | -151.25 | 0.64 | 0.00 | 0.526 | 0.000000 |
| Nigade 220kV | 11/01/2020 10:15:00 | 42 | 23700.0 | 3465.0 | 3262.5 | -202.5 | 0.85 | 0.00 | 0.526 | 0.000000 |

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| Nigade 220kV | 11/01/2020 10:30:00 | 43 | 23700.0 | 3470.0 | 3271.88 | -198.12 | 0.84 | 0.00 | 0.000 | 0.000000 |
| Nigade 220kV | 11/01/2020 10:45:00 | 44 | 23700.0 | 3472.5 | 3490.62 | 18.12 | 0.08 | 0.00 | 0.000 | 0.000000 |
| Nigade 220kV | 11/01/2020 11:00:00 | 45 | 23700.0 | 3462.5 | 3240.62 | -221.88 | 0.94 | 0.00 | 0.000 | 0.000000 |
| Nigade 220kV | 11/01/2020 11:15:00 | 46 | 23700.0 | 3462.5 | 3384.38 | -78.12 | 0.33 | 0.00 | -2.964 | 0.000000 |
| Nigade 220kV | 11/01/2020 11:30:00 | 47 | 23700.0 | 3465.0 | 3550.0 | 85.0 | 0.36 | 0.00 | -4.307 | -20.812663 |
| Nigade 220kV | 11/01/2020 11:45:00 | 48 | 23700.0 | 3470.0 | 3346.88 | -123.12 | 0.52 | 0.00 | -3.300 | 0.000000 |
| Nigade 220kV | 11/01/2020 12:00:00 | 49 | 23700.0 | 3465.0 | 2984.38 | -480.62 | 2.03 | 0.00 | -0.526 | 0.000000 |
| Nigade 220kV | 11/01/2020 12:15:00 | 50 | 23700.0 | 3470.0 | 2387.5 | -1082.5 | 4.57 | 0.00 | -2.103 | 0.000000 |
| Nigade 220kV | 11/01/2020 12:30:00 | 51 | 23700.0 | 3472.5 | 1946.88 | -1525.62 | 6.44 | 0.00 | -2.629 | 0.000000 |
| Nigade 220kV | 11/01/2020 12:45:00 | 52 | 23700.0 | 3462.5 | 1625.0 | -1837.5 | 7.75 | 0.00 | -2.629 | 0.000000 |
| Nigade 220kV | 11/01/2020 13:00:00 | 53 | 23700.0 | 3462.5 | 1140.62 | -2321.88 | 9.8 | 0.00 | 0.000 | 0.000000 |
| Nigade 220kV | 11/01/2020 13:15:00 | 54 | 23700.0 | 3465.0 | 1228.12 | -2236.88 | 9.44 | 0.00 | -2.103 | 0.000000 |
| Nigade 220kV | 11/01/2020 13:30:00 | 55 | 23700.0 | 3470.0 | 1115.62 | -2354.38 | 9.93 | 0.00 | 2.629 | 0.000000 |
| Nigade 220kV | 11/01/2020 13:45:00 | 56 | 23700.0 | 3465.0 | 859.38 | -2605.62 | 10.99 | 0.00 | 2.103 | 0.000000 |
| Nigade 220kV | 11/01/2020 14:00:00 | 57 | 23700.0 | 3410.0 | 768.75 | -2641.25 | 11.14 | 0.00 | 1.051 | 0.000000 |
| Nigade 220kV | 11/01/2020 14:15:00 | 58 | 23700.0 | 3480.0 | 434.38 | -3045.62 | 12.85 | 0.00 | 3.300 | 0.000000 |
| Nigade 220kV | 11/01/2020 14:30:00 | 59 | 23700.0 | 3412.5 | 118.75 | -3293.75 | 13.9 | 0.00 | -3.636 | 0.000000 |
| Nigade 220kV | 11/01/2020 14:45:00 | 60 | 23700.0 | 3505.0 | 81.25 | -3423.75 | 14.45 | 0.00 | 4.979 | 0.000000 |
| Nigade 220kV | 11/01/2020 15:00:00 | 61 | 23700.0 | 3387.5 | 3.12 | -3384.38 | 14.28 | 0.00 | -2.964 | 0.000000 |
| Nigade 220kV | 11/01/2020 15:15:00 | 62 | 23700.0 | 3482.5 | 0.0 | -3482.5 | 14.69 | 0.00 | -5.314 | 0.000000 |
| Nigade 220kV | 11/01/2020 15:30:00 | 63 | 23700.0 | 3507.5 | 0.0 | -3507.5 | 14.8 | 0.00 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nigade 220kV | 11/01/2020 15:45:00 | 64 | 23700.0 | 3462.5 | 0.0 | -3462.5 | 14.61 | 0.00 | 4.643 | 0.000000 |
| Nigade 220kV | 11/01/2020 16:00:00 | 65 | 23700.0 | 3410.0 | 0.0 | -3410.0 | 14.39 | 0.00 | 2.103 | 0.000000 |
| Nigade 220kV | 11/01/2020 16:15:00 | 66 | 23700.0 | 3480.0 | 0.0 | -3480.0 | 14.68 | 0.00 | -2.964 | 0.000000 |
| Nigade 220kV | 11/01/2020 16:30:00 | 67 | 23700.0 | 3412.5 | 0.0 | -3412.5 | 14.4 | 0.00 | -2.103 | 0.000000 |
| Nigade 220kV | 11/01/2020 16:45:00 | 68 | 23700.0 | 3505.0 | 0.0 | -3505.0 | 14.79 | 0.00 | 3.972 | 0.000000 |
| Nigade 220kV | 11/01/2020 17:00:00 | 69 | 23700.0 | 3387.5 | 0.0 | -3387.5 | 14.29 | 0.00 | -1.577 | 0.000000 |
| Nigade 220kV | 11/01/2020 17:15:00 | 70 | 23700.0 | 3442.5 | 0.0 | -3442.5 | 14.53 | 0.00 | -1.577 | 0.000000 |
| Nigade 220kV | 11/01/2020 17:30:00 | 71 | 23700.0 | 3445.0 | 0.0 | -3445.0 | 14.54 | 0.00 | 1.051 | 43.955942 |
| Nigade 220kV | 11/01/2020 17:45:00 | 72 | 23700.0 | 3455.0 | 0.0 | -3455.0 | 14.58 | 0.00 | -2.103 | 0.000000 |
| Nigade 220kV | 11/01/2020 18:00:00 | 73 | 23700.0 | 3480.0 | 0.0 | -3480.0 | 14.68 | 0.00 | -2.964 | 0.000000 |
| Nigade 220kV | 11/01/2020 18:15:00 | 74 | 23700.0 | 3482.5 | 0.0 | -3482.5 | 14.69 | 0.00 | -2.629 | 0.000000 |
| Nigade 220kV | 11/01/2020 18:30:00 | 75 | 23700.0 | 3507.5 | 0.0 | -3507.5 | 14.8 | 0.00 | 2.103 | 123.297370 |
| Nigade 220kV | 11/01/2020 18:45:00 | 76 | 23700.0 | 3462.5 | 0.0 | -3462.5 | 14.61 | 0.00 | 0.526 | 356.384151 |
| Nigade 220kV | 11/01/2020 19:00:00 | 77 | 23700.0 | 3410.0 | 0.0 | -3410.0 | 14.39 | 0.00 | 2.103 | 1393.996242 |
| Nigade 220kV | 11/01/2020 19:15:00 | 78 | 23700.0 | 3480.0 | 0.0 | -3480.0 | 14.68 | 0.00 | -1.052 | 0.000000 |
| Nigade 220kV | 11/01/2020 19:30:00 | 79 | 23700.0 | 3462.5 | 0.0 | -3462.5 | 14.61 | 0.00 | 2.964 | 0.000000 |
| Nigade 220kV | 11/01/2020 19:45:00 | 80 | 23700.0 | 3465.0 | 0.0 | -3465.0 | 14.62 | 0.00 | 2.629 | 2577.394864 |
| Nigade 220kV | 11/01/2020 20:00:00 | 81 | 23700.0 | 3470.0 | 0.0 | -3470.0 | 14.64 | 0.00 | 2.629 | 564.328587 |
| Nigade 220kV | 11/01/2020 20:15:00 | 82 | 23700.0 | 3465.0 | 0.0 | -3465.0 | 14.62 | 0.00 | 4.307 | 1858.194044 |
| Nigade 220kV | 11/01/2020 20:30:00 | 83 | 23700.0 | 3470.0 | 0.0 | -3470.0 | 14.64 | 0.00 | 2.964 | 4771.288505 |
| Nigade 220kV | 11/01/2020 20:45:00 | 84 | 23700.0 | 3472.5 | 0.0 | -3472.5 | 14.65 | 0.00 | 2.629 | 4098.601717 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nigade 220kV | 11/01/2020 21:00:00 | 85 | 23700.0 | 3462.5 | 0.0 | -3462.5 | 14.61 | 0.00 | 3.636 | 742.249297 |
| Nigade 220kV | 11/01/2020 21:15:00 | 86 | 23700.0 | 3462.5 | 0.0 | -3462.5 | 14.61 | 0.00 | -1.577 | 0.000000 |
| Nigade 220kV | 11/01/2020 21:30:00 | 87 | 23700.0 | 3465.0 | 3.12 | -3461.88 | 14.61 | 0.00 | -1.577 | 0.000000 |
| Nigade 220kV | 11/01/2020 21:45:00 | 88 | 23700.0 | 3470.0 | 9.38 | -3460.62 | 14.6 | 0.00 | -1.052 | 0.000000 |
| Nigade 220kV | 11/01/2020 22:00:00 | 89 | 23700.0 | 3465.0 | 28.12 | -3436.88 | 14.5 | 0.00 | -5.650 | 0.000000 |
| Nigade 220kV | 11/01/2020 22:15:00 | 90 | 23700.0 | 3470.0 | 65.62 | -3404.38 | 14.36 | 0.00 | -5.650 | 0.000000 |
| Nigade 220kV | 11/01/2020 22:30:00 | 91 | 23700.0 | 3472.5 | 146.88 | -3325.62 | 14.03 | 0.00 | 4.979 | 1603.469696 |
| Nigade 220kV | 11/01/2020 22:45:00 | 92 | 23700.0 | 3462.5 | 165.62 | -3296.88 | 13.91 | 0.00 | 2.964 | 2070.384134 |
| Nigade 220kV | 11/01/2020 23:00:00 | 93 | 23700.0 | 3462.5 | 112.5 | -3350.0 | 14.14 | 0.00 | 1.577 | 523.831936 |
| Nigade 220kV | 11/01/2020 23:15:00 | 94 | 23700.0 | 3465.0 | 128.12 | -3336.88 | 14.08 | 0.00 | 1.074 | 426.785943 |
| Nigade 220kV | 11/01/2020 23:30:00 | 95 | 23700.0 | 3470.0 | 109.38 | -3360.62 | 14.18 | 0.00 | 2.113 | 1937.358473 |
| Nigade 220kV | 11/01/2020 23:45:00 | 96 | 23700.0 | 3465.0 | 106.25 | -3358.75 | 14.17 | 0.00 | 2.162 | 2496.237580 |
| Nigade 220kV | 12/01/2020 00:00:00 | 1 | 23700.0 | 3437.5 | 93.75 | -3343.75 | 14.11 | 0.00 | 3.022 | 2056.633127 |
| Nigade 220kV | 12/01/2020 00:15:00 | 2 | 23700.0 | 3492.5 | 112.5 | -3380.0 | 14.26 | 0.00 | -2.152 | 0.000000 |
| Nigade 220kV | 12/01/2020 00:30:00 | 3 | 23700.0 | 3495.0 | 162.5 | -3332.5 | 14.06 | 0.00 | -2.152 | 0.000000 |
| Nigade 220kV | 12/01/2020 00:45:00 | 4 | 23700.0 | 3505.0 | 271.88 | -3233.12 | 13.64 | 0.00 | -3.022 | 0.000000 |
| Nigade 220kV | 12/01/2020 01:00:00 | 5 | 23700.0 | 3530.0 | 434.38 | -3095.62 | 13.06 | 0.00 | -0.629 | 0.000000 |
| Nigade 220kV | 12/01/2020 01:15:00 | 6 | 23700.0 | 3532.5 | 584.38 | -2948.12 | 12.44 | 0.00 | -3.317 | 0.000000 |
| Nigade 220kV | 12/01/2020 01:30:00 | 7 | 23700.0 | 3462.5 | 540.62 | -2921.88 | 12.33 | 0.00 | -3.354 | 0.000000 |
| Nigade 220kV | 12/01/2020 01:45:00 | 8 | 23700.0 | 3512.5 | 481.25 | -3031.25 | 12.79 | 0.00 | -3.022 | 0.000000 |
| Nigade 220kV | 12/01/2020 02:00:00 | 9 | 23700.0 | 3460.0 | 678.12 | -2781.88 | 11.74 | 0.00 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nigade 220kV | 12/01/2020 02:15:00 | 10 | 23700.0 | 3530.0 | 1240.62 | -2289.38 | 9.66 | 0.00 | -3.022 | 0.000000 |
| Nigade 220kV | 12/01/2020 02:30:00 | 11 | 23700.0 | 3512.5 | 1418.75 | -2093.75 | 8.83 | 0.00 | -2.690 | 0.000000 |
| Nigade 220kV | 12/01/2020 02:45:00 | 12 | 23700.0 | 3515.0 | 1506.25 | -2008.75 | 8.48 | 0.00 | -3.022 | 0.000000 |
| Nigade 220kV | 12/01/2020 03:00:00 | 13 | 23700.0 | 3520.0 | 2000.0 | -1520.0 | 6.41 | 0.00 | 3.354 | 719.700295 |
| Nigade 220kV | 12/01/2020 03:15:00 | 14 | 23700.0 | 3515.0 | 1937.5 | -1577.5 | 6.66 | 0.00 | 3.022 | 915.999036 |
| Nigade 220kV | 12/01/2020 03:30:00 | 15 | 23700.0 | 3520.0 | 2250.0 | -1270.0 | 5.36 | 0.00 | 3.354 | 273.519404 |
| Nigade 220kV | 12/01/2020 03:45:00 | 16 | 23700.0 | 3522.5 | 2403.12 | -1119.38 | 4.72 | 0.00 | 2.152 | 0.000000 |
| Nigade 220kV | 12/01/2020 04:00:00 | 17 | 23700.0 | 3512.5 | 2675.0 | -837.5 | 3.53 | 0.00 | -2.152 | 0.000000 |
| Nigade 220kV | 12/01/2020 04:15:00 | 18 | 23700.0 | 5830.0 | 3175.0 | -2655.0 | 11.2 | 0.00 | -3.022 | 0.000000 |
| Nigade 220kV | 12/01/2020 04:30:00 | 19 | 23700.0 | 5812.5 | 2787.5 | -3025.0 | 12.76 | 0.00 | 1.076 | 0.000000 |
| Nigade 220kV | 12/01/2020 04:45:00 | 20 | 23700.0 | 5662.5 | 2393.75 | -3268.75 | 13.79 | 0.00 | -3.022 | 0.000000 |
| Nigade 220kV | 12/01/2020 05:00:00 | 21 | 23700.0 | 5580.0 | 2100.0 | -3480.0 | 14.68 | 0.00 | 3.686 | 0.000000 |
| Nigade 220kV | 12/01/2020 05:15:00 | 22 | 23700.0 | 5552.5 | 1665.62 | -3886.88 | 16.4 | 165.94 | 3.686 | 4288.280178 |
| Nigade 220kV | 12/01/2020 05:30:00 | 23 | 23700.0 | 5412.5 | 1406.25 | -4006.25 | 16.9 | 225.63 | -1.614 | 0.000000 |
| Nigade 220kV | 12/01/2020 05:45:00 | 24 | 23700.0 | 5312.5 | 1271.88 | -4040.62 | 17.05 | 242.81 | -0.496 | 0.000000 |
| Nigade 220kV | 12/01/2020 06:00:00 | 25 | 23700.0 | 5080.0 | 1265.62 | -3814.38 | 16.09 | 129.69 | 0.000 | 0.000000 |
| Nigade 220kV | 12/01/2020 06:15:00 | 26 | 23700.0 | 5062.5 | 1068.75 | -3993.75 | 16.85 | 219.38 | -0.430 | 0.000000 |
| Nigade 220kV | 12/01/2020 06:30:00 | 27 | 23700.0 | 5090.0 | 962.5 | -4127.5 | 17.42 | 286.25 | -2.152 | 0.000000 |
| Nigade 220kV | 12/01/2020 06:45:00 | 28 | 23700.0 | 4912.5 | 668.75 | -4243.75 | 17.91 | 344.38 | 4.681 | 0.000000 |
| Nigade 220kV | 12/01/2020 07:00:00 | 29 | 23700.0 | 4880.0 | 512.5 | -4367.5 | 18.43 | 406.25 | 1.614 | 0.000000 |
| Nigade 220kV | 12/01/2020 07:15:00 | 30 | 23700.0 | 4662.5 | 493.75 | -4168.75 | 17.59 | 306.88 | 3.838 | 3450.292718 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nigade 220kV | 12/01/2020 07:30:00 | 31 | 23700.0 | 4635.0 | 412.5 | -4222.5 | 17.82 | 333.75 | 3.022 | 0.000000 |
| Nigade 220kV | 12/01/2020 07:45:00 | 32 | 23700.0 | 4405.0 | 415.62 | -3989.38 | 16.83 | 217.19 | 2.690 | 0.000000 |
| Nigade 220kV | 12/01/2020 08:00:00 | 33 | 23700.0 | 4080.0 | 421.88 | -3658.12 | 15.44 | 51.56 | -2.690 | 0.000000 |
| Nigade 220kV | 12/01/2020 08:15:00 | 34 | 23700.0 | 3532.5 | 450.0 | -3082.5 | 13.01 | 0.00 | -4.018 | 0.000000 |
| Nigade 220kV | 12/01/2020 08:30:00 | 35 | 23700.0 | 3530.0 | 625.0 | -2905.0 | 12.26 | 0.00 | -2.690 | 0.000000 |
| Nigade 220kV | 12/01/2020 08:45:00 | 36 | 23700.0 | 3512.5 | 471.88 | -3040.62 | 12.83 | 0.00 | 3.022 | 0.000000 |
| Nigade 220kV | 12/01/2020 09:00:00 | 37 | 23700.0 | 3460.0 | 459.38 | -3000.62 | 12.66 | 0.00 | -3.354 | 0.000000 |
| Nigade 220kV | 12/01/2020 09:15:00 | 38 | 23700.0 | 3530.0 | 718.75 | -2811.25 | 11.86 | 0.00 | -4.350 | 0.000000 |
| Nigade 220kV | 12/01/2020 09:30:00 | 39 | 23700.0 | 3512.5 | 959.38 | -2553.12 | 10.77 | 0.00 | 2.152 | 0.000000 |
| Nigade 220kV | 12/01/2020 09:45:00 | 40 | 23700.0 | 3515.0 | 1106.25 | -2408.75 | 10.16 | 0.00 | -2.690 | 0.000000 |
| Nigade 220kV | 12/01/2020 10:00:00 | 41 | 23700.0 | 3520.0 | 1512.5 | -2007.5 | 8.47 | 0.00 | -3.354 | 0.000000 |
| Nigade 220kV | 12/01/2020 10:15:00 | 42 | 23700.0 | 3515.0 | 1521.88 | -1993.12 | 8.41 | 0.00 | -3.686 | 0.000000 |
| Nigade 220kV | 12/01/2020 10:30:00 | 43 | 23700.0 | 3020.0 | 2071.88 | -948.12 | 4.0 | 0.00 | -1.614 | 0.000000 |
| Nigade 220kV | 12/01/2020 10:45:00 | 44 | 23700.0 | 3022.5 | 2184.38 | -838.12 | 3.54 | 0.00 | 3.686 | 0.000000 |
| Nigade 220kV | 12/01/2020 11:00:00 | 45 | 23700.0 | 3012.5 | 3059.38 | 46.88 | 0.2 | 0.00 | -3.354 | -6.977529 |
| Nigade 220kV | 12/01/2020 11:15:00 | 46 | 23700.0 | 3012.5 | 3309.38 | 296.88 | 1.25 | 0.00 | -5.450 | -130.719555 |
| Nigade 220kV | 12/01/2020 11:30:00 | 47 | 23700.0 | 3015.0 | 2559.38 | -455.62 | 1.92 | 0.00 | -6.009 | 0.000000 |
| Nigade 220kV | 12/01/2020 11:45:00 | 48 | 23700.0 | 3020.0 | 2059.38 | -960.62 | 4.05 | 0.00 | 2.690 | 0.000000 |
| Nigade 220kV | 12/01/2020 12:00:00 | 49 | 23700.0 | 3015.0 | 1506.25 | -1508.75 | 6.37 | 0.00 | 3.686 | 0.000000 |
| Nigade 220kV | 12/01/2020 12:15:00 | 50 | 23700.0 | 3020.0 | 943.75 | -2076.25 | 8.76 | 0.00 | -5.345 | 0.000000 |
| Nigade 220kV | 12/01/2020 12:30:00 | 51 | 23700.0 | 3022.5 | 596.88 | -2425.62 | 10.23 | 0.00 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nigade 220kV | 12/01/2020 12:45:00 | 52 | 23700.0 | 3012.5 | 475.0 | -2537.5 | 10.71 | 0.00 | -5.345 | 0.000000 |
| Nigade 220kV | 12/01/2020 13:00:00 | 53 | 23700.0 | 3012.5 | 381.25 | -2631.25 | 11.1 | 0.00 | -3.999 | 0.000000 |
| Nigade 220kV | 12/01/2020 13:15:00 | 54 | 23700.0 | 3015.0 | 143.75 | -2871.25 | 12.11 | 0.00 | -4.350 | 0.000000 |
| Nigade 220kV | 12/01/2020 13:30:00 | 55 | 23700.0 | 3020.0 | 103.12 | -2916.88 | 12.31 | 0.00 | -1.076 | 0.000000 |
| Nigade 220kV | 12/01/2020 13:45:00 | 56 | 23700.0 | 3015.0 | 96.88 | -2918.12 | 12.31 | 0.00 | -2.690 | 0.000000 |
| Nigade 220kV | 12/01/2020 14:00:00 | 57 | 23700.0 | 2960.0 | 25.0 | -2935.0 | 12.38 | 0.00 | -0.538 | 0.000000 |
| Nigade 220kV | 12/01/2020 14:15:00 | 58 | 23700.0 | 3030.0 | 15.62 | -3014.38 | 12.72 | 0.00 | -2.152 | 0.000000 |
| Nigade 220kV | 12/01/2020 14:30:00 | 59 | 23700.0 | 2962.5 | 0.0 | -2962.5 | 12.5 | 0.00 | -2.690 | 0.000000 |
| Nigade 220kV | 12/01/2020 14:45:00 | 60 | 23700.0 | 3055.0 | 9.38 | -3045.62 | 12.85 | 0.00 | -1.076 | 0.000000 |
| Nigade 220kV | 12/01/2020 15:00:00 | 61 | 23700.0 | 2937.5 | 0.0 | -2937.5 | 12.39 | 0.00 | 0.000 | 0.000000 |
| Nigade 220kV | 12/01/2020 15:15:00 | 62 | 23700.0 | 3032.5 | 3.12 | -3029.38 | 12.78 | 0.00 | -2.690 | 0.000000 |
| Nigade 220kV | 12/01/2020 15:30:00 | 63 | 23700.0 | 3057.5 | 0.0 | -3057.5 | 12.9 | 0.00 | -3.022 | 0.000000 |
| Nigade 220kV | 12/01/2020 15:45:00 | 64 | 23700.0 | 3012.5 | 0.0 | -3012.5 | 12.71 | 0.00 | -3.686 | 0.000000 |
| Nigade 220kV | 12/01/2020 16:00:00 | 65 | 23700.0 | 2960.0 | 0.0 | -2960.0 | 12.49 | 0.00 | -3.737 | 0.000000 |
| Nigade 220kV | 12/01/2020 16:15:00 | 66 | 23700.0 | 3030.0 | 0.0 | -3030.0 | 12.78 | 0.00 | -5.786 | 0.000000 |
| Nigade 220kV | 12/01/2020 16:30:00 | 67 | 23700.0 | 2962.5 | 0.0 | -2962.5 | 12.5 | 0.00 | -4.350 | 0.000000 |
| Nigade 220kV | 12/01/2020 16:45:00 | 68 | 23700.0 | 3055.0 | 0.0 | -3055.0 | 12.89 | 0.00 | -1.614 | 0.000000 |
| Nigade 220kV | 12/01/2020 17:00:00 | 69 | 23700.0 | 2937.5 | 0.0 | -2937.5 | 12.39 | 0.00 | 0.000 | 0.000000 |
| Nigade 220kV | 12/01/2020 17:15:00 | 70 | 23700.0 | 2992.5 | 0.0 | -2992.5 | 12.63 | 0.00 | 2.690 | 775.816866 |
| Nigade 220kV | 12/01/2020 17:30:00 | 71 | 23700.0 | 2995.0 | 0.0 | -2995.0 | 12.64 | 0.00 | -3.022 | 0.000000 |
| Nigade 220kV | 12/01/2020 17:45:00 | 72 | 23700.0 | 3005.0 | 0.0 | -3005.0 | 12.68 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nigade 220kV | 12/01/2020 18:00:00 | 73 | 23700.0 | 3030.0 | 0.0 | -3030.0 | 12.78 | 0.00 | -0.538 | 0.000000 |
| Nigade 220kV | 12/01/2020 18:15:00 | 74 | 23700.0 | 3032.5 | 0.0 | -3032.5 | 12.8 | 0.00 | -4.350 | 0.000000 |
| Nigade 220kV | 12/01/2020 18:30:00 | 75 | 23700.0 | 3012.5 | 0.0 | -3012.5 | 12.71 | 0.00 | 2.690 | 518.045006 |
| Nigade 220kV | 12/01/2020 18:45:00 | 76 | 23700.0 | 3012.5 | 0.0 | -3012.5 | 12.71 | 0.00 | 3.022 | 3337.446999 |
| Nigade 220kV | 12/01/2020 19:00:00 | 77 | 23700.0 | 2960.0 | 0.0 | -2960.0 | 12.49 | 0.00 | 3.686 | 1053.336754 |
| Nigade 220kV | 12/01/2020 19:15:00 | 78 | 23700.0 | 3030.0 | 0.0 | -3030.0 | 12.78 | 0.00 | 2.690 | 64.002859 |
| Nigade 220kV | 12/01/2020 19:30:00 | 79 | 23700.0 | 3012.5 | 0.0 | -3012.5 | 12.71 | 0.00 | -3.022 | 0.000000 |
| Nigade 220kV | 12/01/2020 19:45:00 | 80 | 23700.0 | 3015.0 | 0.0 | -3015.0 | 12.72 | 0.00 | -1.781 | 0.000000 |
| Nigade 220kV | 12/01/2020 20:00:00 | 81 | 23700.0 | 3020.0 | 0.0 | -3020.0 | 12.74 | 0.00 | -3.021 | 0.000000 |
| Nigade 220kV | 12/01/2020 20:15:00 | 82 | 23700.0 | 3015.0 | 0.0 | -3015.0 | 12.72 | 0.00 | -4.018 | 0.000000 |
| Nigade 220kV | 12/01/2020 20:30:00 | 83 | 23700.0 | 3020.0 | 0.0 | -3020.0 | 12.74 | 0.00 | -3.354 | 0.000000 |
| Nigade 220kV | 12/01/2020 20:45:00 | 84 | 23700.0 | 3022.5 | 0.0 | -3022.5 | 12.75 | 0.00 | -1.614 | 0.000000 |
| Nigade 220kV | 12/01/2020 21:00:00 | 85 | 23700.0 | 3012.5 | 0.0 | -3012.5 | 12.71 | 0.00 | -4.350 | 0.000000 |
| Nigade 220kV | 12/01/2020 21:15:00 | 86 | 23700.0 | 3012.5 | 0.0 | -3012.5 | 12.71 | 0.00 | -3.686 | 0.000000 |
| Nigade 220kV | 12/01/2020 21:30:00 | 87 | 23700.0 | 3015.0 | 0.0 | -3015.0 | 12.72 | 0.00 | -1.614 | 0.000000 |
| Nigade 220kV | 12/01/2020 21:45:00 | 88 | 23700.0 | 3020.0 | 0.0 | -3020.0 | 12.74 | 0.00 | 0.000 | 0.000000 |
| Nigade 220kV | 12/01/2020 22:00:00 | 89 | 23700.0 | 3015.0 | 0.0 | -3015.0 | 12.72 | 0.00 | -3.354 | 0.000000 |
| Nigade 220kV | 12/01/2020 22:15:00 | 90 | 23700.0 | 3020.0 | 0.0 | -3020.0 | 12.74 | 0.00 | 4.350 | 3687.271328 |
| Nigade 220kV | 12/01/2020 22:30:00 | 91 | 23700.0 | 3022.5 | 0.0 | -3022.5 | 12.75 | 0.00 | 5.215 | 6959.719245 |
| Nigade 220kV | 12/01/2020 22:45:00 | 92 | 23700.0 | 3012.5 | 0.0 | -3012.5 | 12.71 | 0.00 | 3.022 | 679.046665 |
| Nigade 220kV | 12/01/2020 23:00:00 | 93 | 23700.0 | 3012.5 | 0.0 | -3012.5 | 12.71 | 0.00 | 3.022 | 1487.339246 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Nigade 220kV | 12/01/2020 23:15:00 | 94 | 23700.0 | 3015.0 | 0.0 | -3015.0 | 12.72 | 0.00 | 2.152 | 1482.196994 |
| Nigade 220kV | 12/01/2020 23:30:00 | 95 | 23700.0 | 3020.0 | 0.0 | -3020.0 | 12.74 | 0.00 | 2.152 | 854.355135 |
| Nigade 220kV | 12/01/2020 23:45:00 | 96 | 23700.0 | 3015.0 | 0.0 | -3015.0 | 12.72 | 0.00 | 2.152 | 980.021584 |
| Osmanabad 220kV | 06/01/2020 00:00:00 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.903 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 00:15:00 | 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 00:30:00 | 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 00:45:00 | 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.984 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 01:00:00 | 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.541 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 01:15:00 | 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 01:30:00 | 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.541 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 01:45:00 | 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.352 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 02:00:00 | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.747 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 02:15:00 | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.581 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 02:30:00 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.323 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 02:45:00 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 03:00:00 | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 03:15:00 | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.742 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 03:30:00 | 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 03:45:00 | 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.541 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 04:00:00 | 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.496 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 04:15:00 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Osmanabad 220kV | 06/01/2020 04:30:00 | 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.859 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 04:45:00 | 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.815 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 05:00:00 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.859 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 05:15:00 | 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.407 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 05:30:00 | 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.496 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 05:45:00 | 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.492 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 06:00:00 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.452 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 06:15:00 | 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -6.089 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 06:30:00 | 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -7.044 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 06:45:00 | 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.682 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 07:00:00 | 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.859 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 07:15:00 | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.815 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 07:30:00 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.178 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 07:45:00 | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.540 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 08:00:00 | 33 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.859 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 08:15:00 | 34 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.452 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 08:30:00 | 35 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.178 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 08:45:00 | 36 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.859 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 09:00:00 | 37 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -6.407 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 09:15:00 | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -8.000 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 09:30:00 | 39 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.770 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Osmanabad 220kV | 06/01/2020 09:45:00 | 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 10:00:00 | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.903 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 10:15:00 | 42 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.222 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 10:30:00 | 43 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.815 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 10:45:00 | 44 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.496 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 11:00:00 | 45 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 16.000 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 11:15:00 | 46 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.133 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 11:30:00 | 47 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.182 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 11:45:00 | 48 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.308 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 12:00:00 | 49 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.598 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 12:15:00 | 50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.431 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 12:30:00 | 51 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.540 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 12:45:00 | 52 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.903 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 13:00:00 | 53 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.161 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 13:15:00 | 54 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.859 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 13:30:00 | 55 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -6.407 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 13:45:00 | 56 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.452 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 14:00:00 | 57 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.452 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 14:15:00 | 58 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 16.000 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 14:30:00 | 59 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.035 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 14:45:00 | 60 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.949 | 0.000000 |

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| Osmanabad 220kV | 06/01/2020 15:00:00 | 61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.367 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 15:15:00 | 62 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.904 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 15:30:00 | 63 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.482 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 15:45:00 | 64 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.225 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 16:00:00 | 65 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.895 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 16:15:00 | 66 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.089 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 16:30:00 | 67 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -8.000 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 16:45:00 | 68 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.178 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 17:00:00 | 69 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.742 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 17:15:00 | 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.903 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 17:30:00 | 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.178 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 17:45:00 | 72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.323 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 18:00:00 | 73 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.903 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 18:15:00 | 74 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.161 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 18:30:00 | 75 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.903 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 18:45:00 | 76 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.903 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 19:00:00 | 77 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.161 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 19:15:00 | 78 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.178 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 19:30:00 | 79 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.323 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 19:45:00 | 80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.178 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 20:00:00 | 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Osmanabad 220kV | 06/01/2020 20:15:00 | 82 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.770 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 20:30:00 | 83 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.770 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 20:45:00 | 84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.178 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 21:00:00 | 85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 21:15:00 | 86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.742 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 21:30:00 | 87 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 21:45:00 | 88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.161 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 22:00:00 | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.815 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 22:15:00 | 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.859 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 22:30:00 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.742 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 22:45:00 | 92 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.323 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 23:00:00 | 93 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.903 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 23:15:00 | 94 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 23:30:00 | 95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.222 | 0.000000 |
| Osmanabad 220kV | 06/01/2020 23:45:00 | 96 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 00:00:00 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.549 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 00:15:00 | 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.647 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 00:30:00 | 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.073 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 00:45:00 | 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.744 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 01:00:00 | 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 01:15:00 | 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |

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| Osmanabad 220kV | 07/01/2020 01:30:00 | 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 01:45:00 | 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 02:00:00 | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.073 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 02:15:00 | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.073 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 02:30:00 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.401 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 02:45:00 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.745 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 03:00:00 | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 03:15:00 | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.196 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 03:30:00 | 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 03:45:00 | 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.098 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 04:00:00 | 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 04:15:00 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.210 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 04:30:00 | 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 04:45:00 | 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.098 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 05:00:00 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.744 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 05:15:00 | 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 05:30:00 | 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.073 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 05:45:00 | 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 06:00:00 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.372 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 06:15:00 | 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.556 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 06:30:00 | 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.148 | 0.000000 |

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| Osmanabad 220kV | 07/01/2020 06:45:00 | 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.821 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 07:00:00 | 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.372 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 07:15:00 | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 16.000 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 07:30:00 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 9.296 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 07:45:00 | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 9.794 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 08:00:00 | 33 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.593 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 08:15:00 | 34 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.401 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 08:30:00 | 35 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.245 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 08:45:00 | 36 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 09:00:00 | 37 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.745 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 09:15:00 | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.715 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 09:30:00 | 39 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.981 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 09:45:00 | 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 10:00:00 | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.780 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 10:15:00 | 42 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.643 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 10:30:00 | 43 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.976 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 10:45:00 | 44 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.415 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 11:00:00 | 45 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.476 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 11:15:00 | 46 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.826 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 11:30:00 | 47 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.289 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 11:45:00 | 48 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.549 | 0.000000 |

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| Osmanabad 220kV | 07/01/2020 12:00:00 | 49 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.727 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 12:15:00 | 50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.777 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 12:30:00 | 51 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.798 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 12:45:00 | 52 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 13:00:00 | 53 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.431 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 13:15:00 | 54 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.387 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 13:30:00 | 55 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 13:45:00 | 56 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.044 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 14:00:00 | 57 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.215 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 14:15:00 | 58 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 9.552 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 14:30:00 | 59 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.358 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 14:45:00 | 60 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.744 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 15:00:00 | 61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.073 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 15:15:00 | 62 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 15:30:00 | 63 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.831 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 15:45:00 | 64 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.372 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 16:00:00 | 65 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.196 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 16:15:00 | 66 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 16:30:00 | 67 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.738 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 16:45:00 | 68 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.343 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 17:00:00 | 69 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Osmanabad 220kV | 07/01/2020 17:15:00 | 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.744 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 17:30:00 | 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.401 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 17:45:00 | 72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.745 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 18:00:00 | 73 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.073 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 18:15:00 | 74 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.372 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 18:30:00 | 75 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.401 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 18:45:00 | 76 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 19:00:00 | 77 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.730 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 19:15:00 | 78 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.715 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 19:30:00 | 79 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 19:45:00 | 80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.210 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 20:00:00 | 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.348 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 20:15:00 | 82 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.387 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 20:30:00 | 83 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.816 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 20:45:00 | 84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.401 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 21:00:00 | 85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 21:15:00 | 86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 21:30:00 | 87 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.196 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 21:45:00 | 88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.196 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 22:00:00 | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.257 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 22:15:00 | 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Osmanabad 220kV | 07/01/2020 22:30:00 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.098 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 22:45:00 | 92 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.647 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 23:00:00 | 93 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 23:15:00 | 94 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 23:30:00 | 95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.196 | 0.000000 |
| Osmanabad 220kV | 07/01/2020 23:45:00 | 96 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.549 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 00:00:00 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 00:15:00 | 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 00:30:00 | 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 00:45:00 | 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.424 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 01:00:00 | 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.170 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 01:15:00 | 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.761 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 01:30:00 | 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.665 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 01:45:00 | 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.665 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 02:00:00 | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 02:15:00 | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.347 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 02:30:00 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 02:45:00 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 03:00:00 | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.428 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 03:15:00 | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 03:30:00 | 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Osmanabad 220kV | 08/01/2020 03:45:00 | 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 04:00:00 | 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 04:15:00 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.665 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 04:30:00 | 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 04:45:00 | 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 05:00:00 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 05:15:00 | 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 05:30:00 | 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.428 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 05:45:00 | 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 06:00:00 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 06:15:00 | 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.220 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 06:30:00 | 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.387 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 06:45:00 | 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.734 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 07:00:00 | 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.407 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 07:15:00 | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.061 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 07:30:00 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.714 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 07:45:00 | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.061 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 08:00:00 | 33 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 08:15:00 | 34 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 08:30:00 | 35 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.387 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 08:45:00 | 36 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 16.000 | 0.000000 |

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| Osmanabad 220kV | 08/01/2020 09:00:00 | 37 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.673 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 09:15:00 | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.673 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 09:30:00 | 39 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.101 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 09:45:00 | 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 10:00:00 | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 10:15:00 | 42 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 10:30:00 | 43 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.665 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 10:45:00 | 44 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 11:00:00 | 45 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.486 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 11:15:00 | 46 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.305 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 11:30:00 | 47 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.425 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 11:45:00 | 48 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 12:00:00 | 49 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.083 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 12:15:00 | 50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.242 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 12:30:00 | 51 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.330 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 12:45:00 | 52 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.830 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 13:00:00 | 53 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 13:15:00 | 54 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 13:30:00 | 55 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.012 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 13:45:00 | 56 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.087 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 14:00:00 | 57 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Osmanabad 220kV | 08/01/2020 14:15:00 | 58 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.081 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 14:30:00 | 59 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.996 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 14:45:00 | 60 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 15:00:00 | 61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.879 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 15:15:00 | 62 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.081 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 15:30:00 | 63 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.938 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 15:45:00 | 64 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.719 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 16:00:00 | 65 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.555 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 16:15:00 | 66 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.081 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 16:30:00 | 67 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.754 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 16:45:00 | 68 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -8.000 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 17:00:00 | 69 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 17:15:00 | 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.081 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 17:30:00 | 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.387 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 17:45:00 | 72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 18:00:00 | 73 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 18:15:00 | 74 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 18:30:00 | 75 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 18:45:00 | 76 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.220 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 19:00:00 | 77 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 19:15:00 | 78 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Osmanabad 220kV | 08/01/2020 19:30:00 | 79 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 19:45:00 | 80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.555 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 20:00:00 | 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 20:15:00 | 82 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.101 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 20:30:00 | 83 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.408 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 20:45:00 | 84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.101 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 21:00:00 | 85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.101 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 21:15:00 | 86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.555 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 21:30:00 | 87 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 21:45:00 | 88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 22:00:00 | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.489 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 22:15:00 | 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 22:30:00 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.223 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 22:45:00 | 92 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 23:00:00 | 93 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 23:15:00 | 94 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 23:30:00 | 95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Osmanabad 220kV | 08/01/2020 23:45:00 | 96 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 00:00:00 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 00:15:00 | 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 00:30:00 | 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Osmanabad 220kV | 09/01/2020 00:45:00 | 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 01:00:00 | 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.519 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 01:15:00 | 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.519 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 01:30:00 | 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.199 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 01:45:00 | 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.519 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 02:00:00 | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.519 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 02:15:00 | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.879 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 02:30:00 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.199 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 02:45:00 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 03:00:00 | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 03:15:00 | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.839 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 03:30:00 | 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.199 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 03:45:00 | 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 04:00:00 | 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 04:15:00 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 04:30:00 | 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 04:45:00 | 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.879 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 05:00:00 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.839 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 05:15:00 | 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.119 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 05:30:00 | 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.064 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 05:45:00 | 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Osmanabad 220kV | 09/01/2020 06:00:00 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.303 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 06:15:00 | 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.303 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 06:30:00 | 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.839 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 06:45:00 | 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 07:00:00 | 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 07:15:00 | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.400 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 07:30:00 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.172 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 07:45:00 | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.576 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 08:00:00 | 33 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 08:15:00 | 34 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.152 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 08:30:00 | 35 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.576 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 08:45:00 | 36 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 09:00:00 | 37 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 09:15:00 | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 09:30:00 | 39 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.839 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 09:45:00 | 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.152 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 10:00:00 | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 10:15:00 | 42 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 10:30:00 | 43 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.303 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 10:45:00 | 44 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.144 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 11:00:00 | 45 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.479 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Osmanabad 220kV | 09/01/2020 11:15:00 | 46 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.519 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 11:30:00 | 47 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.303 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 11:45:00 | 48 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 12:00:00 | 49 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 12:15:00 | 50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.839 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 12:30:00 | 51 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.199 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 12:45:00 | 52 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.199 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 13:00:00 | 53 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.152 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 13:15:00 | 54 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.152 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 13:30:00 | 55 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 13:45:00 | 56 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.199 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 14:00:00 | 57 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.345 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 14:15:00 | 58 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.941 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 14:30:00 | 59 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 14:45:00 | 60 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 15:00:00 | 61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.006 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 15:15:00 | 62 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.199 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 15:30:00 | 63 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.879 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 15:45:00 | 64 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.839 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 16:00:00 | 65 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 16:15:00 | 66 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Osmanabad 220kV | 09/01/2020 16:30:00 | 67 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.159 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 16:45:00 | 68 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.839 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 17:00:00 | 69 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 17:15:00 | 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.839 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 17:30:00 | 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 17:45:00 | 72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.146 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 18:00:00 | 73 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.349 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 18:15:00 | 74 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.563 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 18:30:00 | 75 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.839 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 18:45:00 | 76 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 19:00:00 | 77 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.199 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 19:15:00 | 78 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 19:30:00 | 79 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.442 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 19:45:00 | 80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.286 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 20:00:00 | 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.070 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 20:15:00 | 82 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.236 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 20:30:00 | 83 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.799 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 20:45:00 | 84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 21:00:00 | 85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 21:15:00 | 86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 21:30:00 | 87 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Osmanabad 220kV | 09/01/2020 21:45:00 | 88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.303 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 22:00:00 | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.795 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 22:15:00 | 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.674 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 22:30:00 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.303 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 22:45:00 | 92 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.152 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 23:00:00 | 93 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 23:15:00 | 94 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 23:30:00 | 95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Osmanabad 220kV | 09/01/2020 23:45:00 | 96 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.987 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 00:00:00 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.680 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 00:15:00 | 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.326 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 00:30:00 | 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.992 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 00:45:00 | 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.532 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 01:00:00 | 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.713 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 01:15:00 | 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.548 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 01:30:00 | 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 01:45:00 | 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 02:00:00 | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.342 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 02:15:00 | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.595 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 02:30:00 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.326 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 02:45:00 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Osmanabad 220kV | 10/01/2020 03:00:00 | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.658 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 03:15:00 | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 03:30:00 | 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 03:45:00 | 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.063 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 04:00:00 | 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.595 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 04:15:00 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.326 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 04:30:00 | 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.326 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 04:45:00 | 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 05:00:00 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.992 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 05:15:00 | 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.063 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 05:30:00 | 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 05:45:00 | 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 06:00:00 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.127 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 06:15:00 | 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.658 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 06:30:00 | 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.992 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 06:45:00 | 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.077 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 07:00:00 | 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.687 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 07:15:00 | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 07:30:00 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.063 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 07:45:00 | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 08:00:00 | 33 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Osmanabad 220kV | 10/01/2020 08:15:00 | 34 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.661 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 08:30:00 | 35 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.663 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 08:45:00 | 36 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.328 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 09:00:00 | 37 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.995 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 09:15:00 | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.327 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 09:30:00 | 39 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.127 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 09:45:00 | 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.152 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 10:00:00 | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 10:15:00 | 42 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.532 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 10:30:00 | 43 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.063 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 10:45:00 | 44 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 11:00:00 | 45 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.658 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 11:15:00 | 46 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 11:30:00 | 47 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.595 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 11:45:00 | 48 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.992 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 12:00:00 | 49 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 12:15:00 | 50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 12:30:00 | 51 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.595 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 12:45:00 | 52 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.063 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 13:00:00 | 53 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.658 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 13:15:00 | 54 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Osmanabad 220kV | 10/01/2020 13:30:00 | 55 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 13:45:00 | 56 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.326 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 14:00:00 | 57 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.992 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 14:15:00 | 58 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.660 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 14:30:00 | 59 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.127 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 14:45:00 | 60 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.127 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 15:00:00 | 61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 15:15:00 | 62 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.992 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 15:30:00 | 63 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.995 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 15:45:00 | 64 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.327 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 16:00:00 | 65 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.995 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 16:15:00 | 66 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -8.000 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 16:30:00 | 67 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -8.000 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 16:45:00 | 68 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.327 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 17:00:00 | 69 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.532 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 17:15:00 | 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.595 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 17:30:00 | 71 | 12500.0 | 3772.5 | 0.0 | -3772.5 | 30.18 | 1272.50 | -2.658 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 17:45:00 | 72 | 12500.0 | 4170.0 | 0.0 | -4170.0 | 33.36 | 1670.00 | -2.127 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 18:00:00 | 73 | 12500.0 | 2505.0 | 0.0 | -2505.0 | 20.04 | 315.00 | -1.461 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 18:15:00 | 74 | 12500.0 | 2527.5 | 0.0 | -2527.5 | 20.22 | 326.25 | 3.326 | 888.204427 |
| Osmanabad 220kV | 10/01/2020 18:30:00 | 75 | 12500.0 | 2537.5 | 0.0 | -2537.5 | 20.3 | 331.25 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Osmanabad 220kV | 10/01/2020 18:45:00 | 76 | 12500.0 | 2540.0 | 0.0 | -2540.0 | 20.32 | 332.50 | 3.994 | 423.987951 |
| Osmanabad 220kV | 10/01/2020 19:00:00 | 77 | 12500.0 | 2555.0 | 0.0 | -2555.0 | 20.44 | 340.00 | -2.127 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 19:15:00 | 78 | 12500.0 | 2700.0 | 0.0 | -2700.0 | 21.6 | 412.50 | -2.658 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 19:30:00 | 79 | 12500.0 | 2612.5 | 0.0 | -2612.5 | 20.9 | 368.75 | -3.660 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 19:45:00 | 80 | 12000.0 | 1622.5 | 0.0 | -1622.5 | 13.52 | 0.00 | -3.326 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 20:00:00 | 81 | 12000.0 | 1650.0 | 0.0 | -1650.0 | 13.75 | 0.00 | 3.660 | 402.218611 |
| Osmanabad 220kV | 10/01/2020 20:15:00 | 82 | 12000.0 | 1647.5 | 0.0 | -1647.5 | 13.73 | 0.00 | 3.660 | 1724.687881 |
| Osmanabad 220kV | 10/01/2020 20:30:00 | 83 | 12000.0 | 1905.0 | 0.0 | -1905.0 | 15.88 | 52.50 | 4.995 | 2831.136663 |
| Osmanabad 220kV | 10/01/2020 20:45:00 | 84 | 12000.0 | 2152.5 | 0.0 | -2152.5 | 17.94 | 176.25 | 2.992 | 2262.125833 |
| Osmanabad 220kV | 10/01/2020 21:00:00 | 85 | 12000.0 | 2530.0 | 0.0 | -2530.0 | 21.08 | 365.00 | -3.660 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 21:15:00 | 86 | 12000.0 | 2935.0 | 0.0 | -2935.0 | 24.46 | 567.50 | -1.595 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 21:30:00 | 87 | 12000.0 | 3325.0 | 0.0 | -3325.0 | 27.71 | 925.00 | -1.063 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 21:45:00 | 88 | 12000.0 | 3772.5 | 0.0 | -3772.5 | 31.44 | 1372.50 | -0.532 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 22:00:00 | 89 | 12000.0 | 4292.5 | 0.0 | -4292.5 | 35.77 | 1938.75 | -1.595 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 22:15:00 | 90 | 12000.0 | 4825.0 | 0.0 | -4825.0 | 40.21 | 2737.50 | -2.127 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 22:30:00 | 91 | 12000.0 | 1582.5 | 0.0 | -1582.5 | 13.19 | 0.00 | 1.063 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 22:45:00 | 92 | 12000.0 | 1597.5 | 0.0 | -1597.5 | 13.31 | 0.00 | -2.658 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 23:00:00 | 93 | 12000.0 | 1602.5 | 0.0 | -1602.5 | 13.35 | 0.00 | -2.658 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 23:15:00 | 94 | 12000.0 | 1605.0 | 0.0 | -1605.0 | 13.38 | 0.00 | 0.000 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 23:30:00 | 95 | 12000.0 | 1612.5 | 0.0 | -1612.5 | 13.44 | 0.00 | 0.000 | 0.000000 |
| Osmanabad 220kV | 10/01/2020 23:45:00 | 96 | 12000.0 | 1705.0 | 0.0 | -1705.0 | 14.21 | 0.00 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Osmanabad 220kV | 11/01/2020 00:00:00 | 1 | 12000.0 | 1792.5 | 0.0 | -1792.5 | 14.94 | 0.00 | 0.000 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 00:15:00 | 2 | 12000.0 | 1757.5 | 0.0 | -1757.5 | 14.65 | 0.00 | -2.629 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 00:30:00 | 3 | 12000.0 | 1837.5 | 0.0 | -1837.5 | 15.31 | 18.75 | -1.577 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 00:45:00 | 4 | 12000.0 | 1792.5 | 0.0 | -1792.5 | 14.94 | 0.00 | 2.103 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 01:00:00 | 5 | 12000.0 | 1752.5 | 0.0 | -1752.5 | 14.6 | 0.00 | 2.964 | 823.347513 |
| Osmanabad 220kV | 11/01/2020 01:15:00 | 6 | 12000.0 | 1767.5 | 0.0 | -1767.5 | 14.73 | 0.00 | 1.052 | 116.569841 |
| Osmanabad 220kV | 11/01/2020 01:30:00 | 7 | 12000.0 | 1782.5 | 0.0 | -1782.5 | 14.85 | 0.00 | 1.577 | 209.300768 |
| Osmanabad 220kV | 11/01/2020 01:45:00 | 8 | 12000.0 | 1795.0 | 0.0 | -1795.0 | 14.96 | 0.00 | -0.526 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 02:00:00 | 9 | 12000.0 | 1807.5 | 0.0 | -1807.5 | 15.06 | 3.75 | -0.403 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 02:15:00 | 10 | 12000.0 | 1822.5 | 0.0 | -1822.5 | 15.19 | 11.25 | -0.630 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 02:30:00 | 11 | 12000.0 | 1835.0 | 0.0 | -1835.0 | 15.29 | 17.50 | -0.526 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 02:45:00 | 12 | 12000.0 | 1825.0 | 0.0 | -1825.0 | 15.21 | 12.50 | -0.526 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 03:00:00 | 13 | 12000.0 | 1810.0 | 0.0 | -1810.0 | 15.08 | 5.00 | -1.051 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 03:15:00 | 14 | 12000.0 | 1792.5 | 0.0 | -1792.5 | 14.94 | 0.00 | 0.000 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 03:30:00 | 15 | 12000.0 | 1757.5 | 0.0 | -1757.5 | 14.65 | 0.00 | 0.000 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 03:45:00 | 16 | 12000.0 | 1837.5 | 0.0 | -1837.5 | 15.31 | 18.75 | 0.000 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 04:00:00 | 17 | 12000.0 | 1792.5 | 0.0 | -1792.5 | 14.94 | 0.00 | 0.000 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 04:15:00 | 18 | 12000.0 | 1752.5 | 0.0 | -1752.5 | 14.6 | 0.00 | -1.051 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 04:30:00 | 19 | 12000.0 | 1767.5 | 0.0 | -1767.5 | 14.73 | 0.00 | -2.964 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 04:45:00 | 20 | 12000.0 | 1782.5 | 0.0 | -1782.5 | 14.85 | 0.00 | -3.300 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 05:00:00 | 21 | 12000.0 | 1795.0 | 0.0 | -1795.0 | 14.96 | 0.00 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Osmanabad 220kV | 11/01/2020 05:15:00 | 22 | 12000.0 | 1807.5 | 0.0 | -1807.5 | 15.06 | 3.75 | 5.314 | 2264.787072 |
| Osmanabad 220kV | 11/01/2020 05:30:00 | 23 | 12000.0 | 1822.5 | 0.0 | -1822.5 | 15.19 | 11.25 | 2.964 | 1103.435038 |
| Osmanabad 220kV | 11/01/2020 05:45:00 | 24 | 12000.0 | 1835.0 | 0.0 | -1835.0 | 15.29 | 17.50 | 2.103 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 06:00:00 | 25 | 12000.0 | 1825.0 | 0.0 | -1825.0 | 15.21 | 12.50 | 3.636 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 06:15:00 | 26 | 12000.0 | 1810.0 | 0.0 | -1810.0 | 15.08 | 5.00 | 2.964 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 06:30:00 | 27 | 12000.0 | 1792.5 | 0.0 | -1792.5 | 14.94 | 0.00 | 4.105 | 1316.825036 |
| Osmanabad 220kV | 11/01/2020 06:45:00 | 28 | 12000.0 | 1757.5 | 0.0 | -1757.5 | 14.65 | 0.00 | 5.650 | 271.801434 |
| Osmanabad 220kV | 11/01/2020 07:00:00 | 29 | 12000.0 | 1837.5 | 0.0 | -1837.5 | 15.31 | 18.75 | 3.300 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 07:15:00 | 30 | 12000.0 | 1792.5 | 0.0 | -1792.5 | 14.94 | 0.00 | 5.314 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 07:30:00 | 31 | 12000.0 | 1752.5 | 0.0 | -1752.5 | 14.6 | 0.00 | 2.964 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 07:45:00 | 32 | 12000.0 | 1767.5 | 0.0 | -1767.5 | 14.73 | 0.00 | 2.103 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 08:00:00 | 33 | 12000.0 | 1782.5 | 0.0 | -1782.5 | 14.85 | 0.00 | -1.577 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 08:15:00 | 34 | 12000.0 | 1795.0 | 0.0 | -1795.0 | 14.96 | 0.00 | 3.300 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 08:30:00 | 35 | 12000.0 | 1807.5 | 0.0 | -1807.5 | 15.06 | 3.75 | 2.116 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 08:45:00 | 36 | 12000.0 | 1822.5 | 0.0 | -1822.5 | 15.19 | 11.25 | 2.964 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 09:00:00 | 37 | 12000.0 | 1835.0 | 0.0 | -1835.0 | 15.29 | 17.50 | 6.681 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 09:15:00 | 38 | 12000.0 | 1825.0 | 0.0 | -1825.0 | 15.21 | 12.50 | 6.657 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 09:30:00 | 39 | 12000.0 | 1810.0 | 0.0 | -1810.0 | 15.08 | 5.00 | -6.322 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 09:45:00 | 40 | 12000.0 | 1792.5 | 0.0 | -1792.5 | 14.94 | 0.00 | -2.103 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 10:00:00 | 41 | 12000.0 | 1757.5 | 0.0 | -1757.5 | 14.65 | 0.00 | 0.526 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 10:15:00 | 42 | 12000.0 | 1837.5 | 0.0 | -1837.5 | 15.31 | 18.75 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Osmanabad 220kV | 11/01/2020 10:30:00 | 43 | 12000.0 | 1792.5 | 0.0 | -1792.5 | 14.94 | 0.00 | 0.000 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 10:45:00 | 44 | 12000.0 | 1752.5 | 0.0 | -1752.5 | 14.6 | 0.00 | 0.000 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 11:00:00 | 45 | 12000.0 | 1767.5 | 0.0 | -1767.5 | 14.73 | 0.00 | 0.000 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 11:15:00 | 46 | 12000.0 | 1782.5 | 0.0 | -1782.5 | 14.85 | 0.00 | -2.964 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 11:30:00 | 47 | 12000.0 | 1795.0 | 0.0 | -1795.0 | 14.96 | 0.00 | -4.307 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 11:45:00 | 48 | 12000.0 | 1807.5 | 0.0 | -1807.5 | 15.06 | 3.75 | -3.300 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 12:00:00 | 49 | 12000.0 | 1822.5 | 0.0 | -1822.5 | 15.19 | 11.25 | -0.526 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 12:15:00 | 50 | 12000.0 | 1835.0 | 0.0 | -1835.0 | 15.29 | 17.50 | -2.103 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 12:30:00 | 51 | 12000.0 | 1825.0 | 0.0 | -1825.0 | 15.21 | 12.50 | -2.629 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 12:45:00 | 52 | 12000.0 | 1810.0 | 0.0 | -1810.0 | 15.08 | 5.00 | -2.629 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 13:00:00 | 53 | 12000.0 | 1792.5 | 0.0 | -1792.5 | 14.94 | 0.00 | 0.000 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 13:15:00 | 54 | 12000.0 | 1757.5 | 0.0 | -1757.5 | 14.65 | 0.00 | -2.103 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 13:30:00 | 55 | 12000.0 | 1837.5 | 0.0 | -1837.5 | 15.31 | 18.75 | 2.629 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 13:45:00 | 56 | 12000.0 | 1792.5 | 0.0 | -1792.5 | 14.94 | 0.00 | 2.103 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 14:00:00 | 57 | 12000.0 | 1752.5 | 0.0 | -1752.5 | 14.6 | 0.00 | 1.051 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 14:15:00 | 58 | 12000.0 | 1767.5 | 0.0 | -1767.5 | 14.73 | 0.00 | 3.300 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 14:30:00 | 59 | 12000.0 | 1782.5 | 0.0 | -1782.5 | 14.85 | 0.00 | -3.636 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 14:45:00 | 60 | 12000.0 | 1795.0 | 0.0 | -1795.0 | 14.96 | 0.00 | 4.979 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 15:00:00 | 61 | 12000.0 | 1807.5 | 0.0 | -1807.5 | 15.06 | 3.75 | -2.964 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 15:15:00 | 62 | 12000.0 | 1822.5 | 0.0 | -1822.5 | 15.19 | 11.25 | -5.314 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 15:30:00 | 63 | 12000.0 | 1835.0 | 0.0 | -1835.0 | 15.29 | 17.50 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Osmanabad 220kV | 11/01/2020 15:45:00 | 64 | 12000.0 | 1825.0 | 0.0 | -1825.0 | 15.21 | 12.50 | 4.643 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 16:00:00 | 65 | 12000.0 | 1810.0 | 0.0 | -1810.0 | 15.08 | 5.00 | 2.103 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 16:15:00 | 66 | 12000.0 | 1792.5 | 0.0 | -1792.5 | 14.94 | 0.00 | -2.964 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 16:30:00 | 67 | 12000.0 | 1757.5 | 0.0 | -1757.5 | 14.65 | 0.00 | -2.103 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 16:45:00 | 68 | 12000.0 | 1837.5 | 0.0 | -1837.5 | 15.31 | 18.75 | 3.972 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 17:00:00 | 69 | 12000.0 | 1792.5 | 0.0 | -1792.5 | 14.94 | 0.00 | -1.577 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 17:15:00 | 70 | 12000.0 | 1752.5 | 0.0 | -1752.5 | 14.6 | 0.00 | -1.577 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 17:30:00 | 71 | 12000.0 | 1767.5 | 0.0 | -1767.5 | 14.73 | 0.00 | 1.051 | 22.552142 |
| Osmanabad 220kV | 11/01/2020 17:45:00 | 72 | 12000.0 | 1782.5 | 0.0 | -1782.5 | 14.85 | 0.00 | -2.103 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 18:00:00 | 73 | 12000.0 | 1795.0 | 0.0 | -1795.0 | 14.96 | 0.00 | -2.964 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 18:15:00 | 74 | 12000.0 | 1807.5 | 0.0 | -1807.5 | 15.06 | 3.75 | -2.629 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 18:30:00 | 75 | 12000.0 | 1822.5 | 0.0 | -1822.5 | 15.19 | 11.25 | 2.103 | 64.065419 |
| Osmanabad 220kV | 11/01/2020 18:45:00 | 76 | 12000.0 | 1835.0 | 0.0 | -1835.0 | 15.29 | 17.50 | 0.526 | 188.870741 |
| Osmanabad 220kV | 11/01/2020 19:00:00 | 77 | 12000.0 | 1825.0 | 0.0 | -1825.0 | 15.21 | 12.50 | 2.103 | 746.053718 |
| Osmanabad 220kV | 11/01/2020 19:15:00 | 78 | 12000.0 | 1810.0 | 0.0 | -1810.0 | 15.08 | 5.00 | -1.052 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 19:30:00 | 79 | 12000.0 | 1792.5 | 0.0 | -1792.5 | 14.94 | 0.00 | 2.964 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 19:45:00 | 80 | 12000.0 | 1757.5 | 0.0 | -1757.5 | 14.65 | 0.00 | 2.629 | 1307.293386 |
| Osmanabad 220kV | 11/01/2020 20:00:00 | 81 | 12000.0 | 1837.5 | 0.0 | -1837.5 | 15.31 | 18.75 | 2.629 | 298.833939 |
| Osmanabad 220kV | 11/01/2020 20:15:00 | 82 | 12000.0 | 1792.5 | 0.0 | -1792.5 | 14.94 | 0.00 | 4.307 | 961.273525 |
| Osmanabad 220kV | 11/01/2020 20:30:00 | 83 | 12000.0 | 1752.5 | 0.0 | -1752.5 | 14.6 | 0.00 | 2.964 | 2409.707019 |
| Osmanabad 220kV | 11/01/2020 20:45:00 | 84 | 12000.0 | 1767.5 | 0.0 | -1767.5 | 14.73 | 0.00 | 2.629 | 2086.185345 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Osmanabad 220kV | 11/01/2020 21:00:00 | 85 | 12000.0 | 1782.5 | 0.0 | -1782.5 | 14.85 | 0.00 | 3.636 | 382.111003 |
| Osmanabad 220kV | 11/01/2020 21:15:00 | 86 | 12000.0 | 1795.0 | 0.0 | -1795.0 | 14.96 | 0.00 | -1.577 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 21:30:00 | 87 | 12000.0 | 1807.5 | 0.0 | -1807.5 | 15.06 | 3.75 | -1.577 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 21:45:00 | 88 | 12000.0 | 1822.5 | 0.0 | -1822.5 | 15.19 | 11.25 | -1.052 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 22:00:00 | 89 | 12000.0 | 1835.0 | 0.0 | -1835.0 | 15.29 | 17.50 | -5.650 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 22:15:00 | 90 | 12000.0 | 1825.0 | 0.0 | -1825.0 | 15.21 | 12.50 | -5.650 | 0.000000 |
| Osmanabad 220kV | 11/01/2020 22:30:00 | 91 | 12000.0 | 1810.0 | 0.0 | -1810.0 | 15.08 | 5.00 | 4.979 | 872.703490 |
| Osmanabad 220kV | 11/01/2020 22:45:00 | 92 | 12000.0 | 1792.5 | 0.0 | -1792.5 | 14.94 | 0.00 | 2.964 | 1125.659299 |
| Osmanabad 220kV | 11/01/2020 23:00:00 | 93 | 12000.0 | 1757.5 | 0.0 | -1757.5 | 14.65 | 0.00 | 1.577 | 274.816312 |
| Osmanabad 220kV | 11/01/2020 23:15:00 | 94 | 12000.0 | 1837.5 | 0.0 | -1837.5 | 15.31 | 18.75 | 1.074 | 235.015700 |
| Osmanabad 220kV | 11/01/2020 23:30:00 | 95 | 12000.0 | 1792.5 | 0.0 | -1792.5 | 14.94 | 0.00 | 2.113 | 1033.355469 |
| Osmanabad 220kV | 11/01/2020 23:45:00 | 96 | 12000.0 | 1752.5 | 0.0 | -1752.5 | 14.6 | 0.00 | 2.162 | 1302.465660 |
| Osmanabad 220kV | 12/01/2020 00:00:00 | 1 | 12000.0 | 1792.5 | 0.0 | -1792.5 | 14.94 | 0.00 | 3.022 | 1102.509061 |
| Osmanabad 220kV | 12/01/2020 00:15:00 | 2 | 12000.0 | 1837.5 | 0.0 | -1837.5 | 15.31 | 18.75 | -2.152 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 00:30:00 | 3 | 12000.0 | 1915.0 | 0.0 | -1915.0 | 15.96 | 57.50 | -2.152 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 00:45:00 | 4 | 12000.0 | 1872.5 | 0.0 | -1872.5 | 15.6 | 36.25 | -3.022 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 01:00:00 | 5 | 12000.0 | 1832.5 | 0.0 | -1832.5 | 15.27 | 16.25 | -0.629 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 01:15:00 | 6 | 12000.0 | 1845.0 | 0.0 | -1845.0 | 15.38 | 22.50 | -3.317 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 01:30:00 | 7 | 12000.0 | 1862.5 | 0.0 | -1862.5 | 15.52 | 31.25 | -3.354 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 01:45:00 | 8 | 12000.0 | 1875.0 | 0.0 | -1875.0 | 15.62 | 37.50 | -3.022 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 02:00:00 | 9 | 12000.0 | 1885.0 | 0.0 | -1885.0 | 15.71 | 42.50 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Osmanabad 220kV | 12/01/2020 02:15:00 | 10 | 12000.0 | 1902.5 | 0.0 | -1902.5 | 15.85 | 51.25 | -3.022 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 02:30:00 | 11 | 12000.0 | 1912.5 | 0.0 | -1912.5 | 15.94 | 56.25 | -2.690 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 02:45:00 | 12 | 12000.0 | 1905.0 | 0.0 | -1905.0 | 15.88 | 52.50 | -3.022 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 03:00:00 | 13 | 12000.0 | 1890.0 | 0.0 | -1890.0 | 15.75 | 45.00 | 3.354 | 894.890474 |
| Osmanabad 220kV | 12/01/2020 03:15:00 | 14 | 12000.0 | 1872.5 | 0.0 | -1872.5 | 15.6 | 36.25 | 3.022 | 1087.295196 |
| Osmanabad 220kV | 12/01/2020 03:30:00 | 15 | 12000.0 | 1837.5 | 0.0 | -1837.5 | 15.31 | 18.75 | 3.354 | 395.741662 |
| Osmanabad 220kV | 12/01/2020 03:45:00 | 16 | 12000.0 | 1915.0 | 0.0 | -1915.0 | 15.96 | 57.50 | 2.152 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 04:00:00 | 17 | 12000.0 | 1872.5 | 0.0 | -1872.5 | 15.6 | 36.25 | -2.152 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 04:15:00 | 18 | 12000.0 | 1832.5 | 0.0 | -1832.5 | 15.27 | 16.25 | -3.022 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 04:30:00 | 19 | 12000.0 | 1845.0 | 0.0 | -1845.0 | 15.38 | 22.50 | 1.076 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 04:45:00 | 20 | 12000.0 | 1862.5 | 0.0 | -1862.5 | 15.52 | 31.25 | -3.022 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 05:00:00 | 21 | 12000.0 | 1875.0 | 0.0 | -1875.0 | 15.62 | 37.50 | 3.686 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 05:15:00 | 22 | 12000.0 | 1885.0 | 0.0 | -1885.0 | 15.71 | 42.50 | 3.686 | 2079.664960 |
| Osmanabad 220kV | 12/01/2020 05:30:00 | 23 | 12000.0 | 1902.5 | 0.0 | -1902.5 | 15.85 | 51.25 | -1.614 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 05:45:00 | 24 | 12000.0 | 1912.5 | 0.0 | -1912.5 | 15.94 | 56.25 | -0.496 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 06:00:00 | 25 | 12000.0 | 1905.0 | 0.0 | -1905.0 | 15.88 | 52.50 | 0.000 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 06:15:00 | 26 | 12000.0 | 1890.0 | 0.0 | -1890.0 | 15.75 | 45.00 | -0.430 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 06:30:00 | 27 | 12000.0 | 1872.5 | 0.0 | -1872.5 | 15.6 | 36.25 | -2.152 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 06:45:00 | 28 | 12000.0 | 1837.5 | 0.0 | -1837.5 | 15.31 | 18.75 | 4.681 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 07:00:00 | 29 | 12000.0 | 1915.0 | 0.0 | -1915.0 | 15.96 | 57.50 | 1.614 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 07:15:00 | 30 | 12000.0 | 1872.5 | 0.0 | -1872.5 | 15.6 | 36.25 | 3.838 | 1549.786693 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Osmanabad 220kV | 12/01/2020 07:30:00 | 31 | 12000.0 | 1832.5 | 0.0 | -1832.5 | 15.27 | 16.25 | 3.022 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 07:45:00 | 32 | 12000.0 | 1845.0 | 0.0 | -1845.0 | 15.38 | 22.50 | 2.690 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 08:00:00 | 33 | 12000.0 | 1862.5 | 0.0 | -1862.5 | 15.52 | 31.25 | -2.690 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 08:15:00 | 34 | 12000.0 | 1875.0 | 0.0 | -1875.0 | 15.62 | 37.50 | -4.018 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 08:30:00 | 35 | 12000.0 | 1885.0 | 0.0 | -1885.0 | 15.71 | 42.50 | -2.690 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 08:45:00 | 36 | 12000.0 | 1902.5 | 0.0 | -1902.5 | 15.85 | 51.25 | 3.022 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 09:00:00 | 37 | 12000.0 | 1912.5 | 0.0 | -1912.5 | 15.94 | 56.25 | -3.354 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 09:15:00 | 38 | 12000.0 | 1905.0 | 0.0 | -1905.0 | 15.88 | 52.50 | -4.350 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 09:30:00 | 39 | 12000.0 | 1890.0 | 0.0 | -1890.0 | 15.75 | 45.00 | 2.152 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 09:45:00 | 40 | 12000.0 | 1872.5 | 0.0 | -1872.5 | 15.6 | 36.25 | -2.690 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 10:00:00 | 41 | 12000.0 | 1837.5 | 0.0 | -1837.5 | 15.31 | 18.75 | -3.354 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 10:15:00 | 42 | 12000.0 | 1915.0 | 0.0 | -1915.0 | 15.96 | 57.50 | -3.686 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 10:30:00 | 43 | 12000.0 | 1872.5 | 0.0 | -1872.5 | 15.6 | 36.25 | -1.614 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 10:45:00 | 44 | 12000.0 | 1832.5 | 0.0 | -1832.5 | 15.27 | 16.25 | 3.686 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 11:00:00 | 45 | 12000.0 | 1845.0 | 0.0 | -1845.0 | 15.38 | 22.50 | -3.354 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 11:15:00 | 46 | 12000.0 | 1862.5 | 0.0 | -1862.5 | 15.52 | 31.25 | -5.450 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 11:30:00 | 47 | 12000.0 | 1875.0 | 0.0 | -1875.0 | 15.62 | 37.50 | -6.009 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 11:45:00 | 48 | 12000.0 | 1885.0 | 0.0 | -1885.0 | 15.71 | 42.50 | 2.690 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 12:00:00 | 49 | 12000.0 | 1902.5 | 0.0 | -1902.5 | 15.85 | 51.25 | 3.686 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 12:15:00 | 50 | 12000.0 | 1912.5 | 0.0 | -1912.5 | 15.94 | 56.25 | -5.345 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 12:30:00 | 51 | 12000.0 | 1905.0 | 0.0 | -1905.0 | 15.88 | 52.50 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Osmanabad 220kV | 12/01/2020 12:45:00 | 52 | 12000.0 | 1890.0 | 0.0 | -1890.0 | 15.75 | 45.00 | -5.345 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 13:00:00 | 53 | 12000.0 | 1872.5 | 0.0 | -1872.5 | 15.6 | 36.25 | -3.999 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 13:15:00 | 54 | 12000.0 | 1837.5 | 0.0 | -1837.5 | 15.31 | 18.75 | -4.350 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 13:30:00 | 55 | 12000.0 | 1915.0 | 0.0 | -1915.0 | 15.96 | 57.50 | -1.076 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 13:45:00 | 56 | 12000.0 | 1872.5 | 0.0 | -1872.5 | 15.6 | 36.25 | -2.690 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 14:00:00 | 57 | 12000.0 | 1832.5 | 0.0 | -1832.5 | 15.27 | 16.25 | -0.538 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 14:15:00 | 58 | 12000.0 | 1845.0 | 0.0 | -1845.0 | 15.38 | 22.50 | -2.152 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 14:30:00 | 59 | 12000.0 | 1862.5 | 0.0 | -1862.5 | 15.52 | 31.25 | -2.690 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 14:45:00 | 60 | 12000.0 | 1875.0 | 0.0 | -1875.0 | 15.62 | 37.50 | -1.076 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 15:00:00 | 61 | 12000.0 | 1885.0 | 0.0 | -1885.0 | 15.71 | 42.50 | 0.000 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 15:15:00 | 62 | 12000.0 | 1902.5 | 0.0 | -1902.5 | 15.85 | 51.25 | -2.690 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 15:30:00 | 63 | 12000.0 | 1912.5 | 0.0 | -1912.5 | 15.94 | 56.25 | -3.022 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 15:45:00 | 64 | 12000.0 | 1905.0 | 0.0 | -1905.0 | 15.88 | 52.50 | -3.686 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 16:00:00 | 65 | 12000.0 | 1890.0 | 0.0 | -1890.0 | 15.75 | 45.00 | -3.737 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 16:15:00 | 66 | 12000.0 | 1872.5 | 0.0 | -1872.5 | 15.6 | 36.25 | -5.786 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 16:30:00 | 67 | 12000.0 | 1837.5 | 0.0 | -1837.5 | 15.31 | 18.75 | -4.350 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 16:45:00 | 68 | 12000.0 | 1915.0 | 0.0 | -1915.0 | 15.96 | 57.50 | -1.614 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 17:00:00 | 69 | 12000.0 | 1872.5 | 0.0 | -1872.5 | 15.6 | 36.25 | 0.000 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 17:15:00 | 70 | 12000.0 | 1832.5 | 0.0 | -1832.5 | 15.27 | 16.25 | 2.690 | 475.082506 |
| Osmanabad 220kV | 12/01/2020 17:30:00 | 71 | 12000.0 | 1845.0 | 0.0 | -1845.0 | 15.38 | 22.50 | -3.022 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 17:45:00 | 72 | 12000.0 | 1862.5 | 0.0 | -1862.5 | 15.52 | 31.25 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Osmanabad 220kV | 12/01/2020 18:00:00 | 73 | 12000.0 | 1875.0 | 0.0 | -1875.0 | 15.62 | 37.50 | -0.538 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 18:15:00 | 74 | 12000.0 | 1885.0 | 0.0 | -1885.0 | 15.71 | 42.50 | -4.350 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 18:30:00 | 75 | 12000.0 | 1902.5 | 0.0 | -1902.5 | 15.85 | 51.25 | 2.690 | 327.163695 |
| Osmanabad 220kV | 12/01/2020 18:45:00 | 76 | 12000.0 | 1912.5 | 0.0 | -1912.5 | 15.94 | 56.25 | 3.022 | 2118.794170 |
| Osmanabad 220kV | 12/01/2020 19:00:00 | 77 | 12000.0 | 1905.0 | 0.0 | -1905.0 | 15.88 | 52.50 | 3.686 | 677.907612 |
| Osmanabad 220kV | 12/01/2020 19:15:00 | 78 | 12000.0 | 1890.0 | 0.0 | -1890.0 | 15.75 | 45.00 | 2.690 | 39.922575 |
| Osmanabad 220kV | 12/01/2020 19:30:00 | 79 | 12000.0 | 1872.5 | 0.0 | -1872.5 | 15.6 | 36.25 | -3.022 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 19:45:00 | 80 | 12000.0 | 1837.5 | 0.0 | -1837.5 | 15.31 | 18.75 | -1.781 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 20:00:00 | 81 | 12000.0 | 1915.0 | 0.0 | -1915.0 | 15.96 | 57.50 | -3.021 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 20:15:00 | 82 | 12000.0 | 1872.5 | 0.0 | -1872.5 | 15.6 | 36.25 | -4.018 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 20:30:00 | 83 | 12000.0 | 1832.5 | 0.0 | -1832.5 | 15.27 | 16.25 | -3.354 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 20:45:00 | 84 | 12000.0 | 1845.0 | 0.0 | -1845.0 | 15.38 | 22.50 | -1.614 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 21:00:00 | 85 | 12000.0 | 1862.5 | 0.0 | -1862.5 | 15.52 | 31.25 | -4.350 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 21:15:00 | 86 | 12000.0 | 1875.0 | 0.0 | -1875.0 | 15.62 | 37.50 | -3.686 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 21:30:00 | 87 | 12000.0 | 1885.0 | 0.0 | -1885.0 | 15.71 | 42.50 | -1.614 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 21:45:00 | 88 | 12000.0 | 1902.5 | 0.0 | -1902.5 | 15.85 | 51.25 | 0.000 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 22:00:00 | 89 | 12000.0 | 1912.5 | 0.0 | -1912.5 | 15.94 | 56.25 | -3.354 | 0.000000 |
| Osmanabad 220kV | 12/01/2020 22:15:00 | 90 | 12000.0 | 1905.0 | 0.0 | -1905.0 | 15.88 | 52.50 | 4.350 | 2325.911245 |
| Osmanabad 220kV | 12/01/2020 22:30:00 | 91 | 12000.0 | 1890.0 | 0.0 | -1890.0 | 15.75 | 45.00 | 5.215 | 4351.983196 |
| Osmanabad 220kV | 12/01/2020 22:45:00 | 92 | 12000.0 | 1872.5 | 0.0 | -1872.5 | 15.6 | 36.25 | 3.022 | 422.079624 |
| Osmanabad 220kV | 12/01/2020 23:00:00 | 93 | 12000.0 | 1837.5 | 0.0 | -1837.5 | 15.31 | 18.75 | 3.022 | 907.215226 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Osmanabad 220kV | 12/01/2020 23:15:00 | 94 | 12000.0 | 1915.0 | 0.0 | -1915.0 | 15.96 | 57.50 | 2.152 | 941.428614 |
| Osmanabad 220kV | 12/01/2020 23:30:00 | 95 | 12000.0 | 1872.5 | 0.0 | -1872.5 | 15.6 | 36.25 | 2.152 | 529.728459 |
| Osmanabad 220kV | 12/01/2020 23:45:00 | 96 | 12000.0 | 1832.5 | 0.0 | -1832.5 | 15.27 | 16.25 | 2.152 | 595.651604 |
| Ozar 132kV | 06/01/2020 00:00:00 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.903 | 0.000000 |
| Ozar 132kV | 06/01/2020 00:15:00 | 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Ozar 132kV | 06/01/2020 00:30:00 | 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Ozar 132kV | 06/01/2020 00:45:00 | 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.984 | 0.000000 |
| Ozar 132kV | 06/01/2020 01:00:00 | 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.541 | 0.000000 |
| Ozar 132kV | 06/01/2020 01:15:00 | 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |
| Ozar 132kV | 06/01/2020 01:30:00 | 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.541 | 0.000000 |
| Ozar 132kV | 06/01/2020 01:45:00 | 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.352 | 0.000000 |
| Ozar 132kV | 06/01/2020 02:00:00 | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.747 | 0.000000 |
| Ozar 132kV | 06/01/2020 02:15:00 | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.581 | 0.000000 |
| Ozar 132kV | 06/01/2020 02:30:00 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.323 | 0.000000 |
| Ozar 132kV | 06/01/2020 02:45:00 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Ozar 132kV | 06/01/2020 03:00:00 | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Ozar 132kV | 06/01/2020 03:15:00 | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.742 | 0.000000 |
| Ozar 132kV | 06/01/2020 03:30:00 | 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |
| Ozar 132kV | 06/01/2020 03:45:00 | 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.541 | 0.000000 |
| Ozar 132kV | 06/01/2020 04:00:00 | 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.496 | 0.000000 |
| Ozar 132kV | 06/01/2020 04:15:00 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ozar 132kV | 06/01/2020 04:30:00 | 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.859 | 0.000000 |
| Ozar 132kV | 06/01/2020 04:45:00 | 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.815 | 0.000000 |
| Ozar 132kV | 06/01/2020 05:00:00 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.859 | 0.000000 |
| Ozar 132kV | 06/01/2020 05:15:00 | 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.407 | 0.000000 |
| Ozar 132kV | 06/01/2020 05:30:00 | 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.496 | 0.000000 |
| Ozar 132kV | 06/01/2020 05:45:00 | 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.492 | 0.000000 |
| Ozar 132kV | 06/01/2020 06:00:00 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.452 | 0.000000 |
| Ozar 132kV | 06/01/2020 06:15:00 | 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -6.089 | 0.000000 |
| Ozar 132kV | 06/01/2020 06:30:00 | 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -7.044 | 0.000000 |
| Ozar 132kV | 06/01/2020 06:45:00 | 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.682 | 0.000000 |
| Ozar 132kV | 06/01/2020 07:00:00 | 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.859 | 0.000000 |
| Ozar 132kV | 06/01/2020 07:15:00 | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.815 | 0.000000 |
| Ozar 132kV | 06/01/2020 07:30:00 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.178 | 0.000000 |
| Ozar 132kV | 06/01/2020 07:45:00 | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.540 | 0.000000 |
| Ozar 132kV | 06/01/2020 08:00:00 | 33 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.859 | 0.000000 |
| Ozar 132kV | 06/01/2020 08:15:00 | 34 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.452 | 0.000000 |
| Ozar 132kV | 06/01/2020 08:30:00 | 35 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.178 | 0.000000 |
| Ozar 132kV | 06/01/2020 08:45:00 | 36 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.859 | 0.000000 |
| Ozar 132kV | 06/01/2020 09:00:00 | 37 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -6.407 | 0.000000 |
| Ozar 132kV | 06/01/2020 09:15:00 | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -8.000 | 0.000000 |
| Ozar 132kV | 06/01/2020 09:30:00 | 39 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.770 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ozar 132kV | 06/01/2020 09:45:00 | 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |
| Ozar 132kV | 06/01/2020 10:00:00 | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.903 | 0.000000 |
| Ozar 132kV | 06/01/2020 10:15:00 | 42 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.222 | 0.000000 |
| Ozar 132kV | 06/01/2020 10:30:00 | 43 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.815 | 0.000000 |
| Ozar 132kV | 06/01/2020 10:45:00 | 44 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.496 | 0.000000 |
| Ozar 132kV | 06/01/2020 11:00:00 | 45 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 16.000 | 0.000000 |
| Ozar 132kV | 06/01/2020 11:15:00 | 46 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.133 | 0.000000 |
| Ozar 132kV | 06/01/2020 11:30:00 | 47 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.182 | 0.000000 |
| Ozar 132kV | 06/01/2020 11:45:00 | 48 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.308 | 0.000000 |
| Ozar 132kV | 06/01/2020 12:00:00 | 49 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.598 | 0.000000 |
| Ozar 132kV | 06/01/2020 12:15:00 | 50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.431 | 0.000000 |
| Ozar 132kV | 06/01/2020 12:30:00 | 51 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.540 | 0.000000 |
| Ozar 132kV | 06/01/2020 12:45:00 | 52 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.903 | 0.000000 |
| Ozar 132kV | 06/01/2020 13:00:00 | 53 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.161 | 0.000000 |
| Ozar 132kV | 06/01/2020 13:15:00 | 54 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.859 | 0.000000 |
| Ozar 132kV | 06/01/2020 13:30:00 | 55 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -6.407 | 0.000000 |
| Ozar 132kV | 06/01/2020 13:45:00 | 56 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.452 | 0.000000 |
| Ozar 132kV | 06/01/2020 14:00:00 | 57 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.452 | 0.000000 |
| Ozar 132kV | 06/01/2020 14:15:00 | 58 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 16.000 | 0.000000 |
| Ozar 132kV | 06/01/2020 14:30:00 | 59 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.035 | 0.000000 |
| Ozar 132kV | 06/01/2020 14:45:00 | 60 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ozar 132kV | 06/01/2020 15:00:00 | 61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.367 | 0.000000 |
| Ozar 132kV | 06/01/2020 15:15:00 | 62 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.904 | 0.000000 |
| Ozar 132kV | 06/01/2020 15:30:00 | 63 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.482 | 0.000000 |
| Ozar 132kV | 06/01/2020 15:45:00 | 64 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.225 | 0.000000 |
| Ozar 132kV | 06/01/2020 16:00:00 | 65 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.895 | 0.000000 |
| Ozar 132kV | 06/01/2020 16:15:00 | 66 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.089 | 0.000000 |
| Ozar 132kV | 06/01/2020 16:30:00 | 67 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -8.000 | 0.000000 |
| Ozar 132kV | 06/01/2020 16:45:00 | 68 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.178 | 0.000000 |
| Ozar 132kV | 06/01/2020 17:00:00 | 69 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.742 | 0.000000 |
| Ozar 132kV | 06/01/2020 17:15:00 | 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.903 | 0.000000 |
| Ozar 132kV | 06/01/2020 17:30:00 | 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.178 | 0.000000 |
| Ozar 132kV | 06/01/2020 17:45:00 | 72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.323 | 0.000000 |
| Ozar 132kV | 06/01/2020 18:00:00 | 73 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.903 | 0.000000 |
| Ozar 132kV | 06/01/2020 18:15:00 | 74 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.161 | 0.000000 |
| Ozar 132kV | 06/01/2020 18:30:00 | 75 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.903 | 0.000000 |
| Ozar 132kV | 06/01/2020 18:45:00 | 76 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.903 | 0.000000 |
| Ozar 132kV | 06/01/2020 19:00:00 | 77 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.161 | 0.000000 |
| Ozar 132kV | 06/01/2020 19:15:00 | 78 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.178 | 0.000000 |
| Ozar 132kV | 06/01/2020 19:30:00 | 79 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.323 | 0.000000 |
| Ozar 132kV | 06/01/2020 19:45:00 | 80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.178 | 0.000000 |
| Ozar 132kV | 06/01/2020 20:00:00 | 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ozar 132kV | 06/01/2020 20:15:00 | 82 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.770 | 0.000000 |
| Ozar 132kV | 06/01/2020 20:30:00 | 83 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.770 | 0.000000 |
| Ozar 132kV | 06/01/2020 20:45:00 | 84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.178 | 0.000000 |
| Ozar 132kV | 06/01/2020 21:00:00 | 85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |
| Ozar 132kV | 06/01/2020 21:15:00 | 86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.742 | 0.000000 |
| Ozar 132kV | 06/01/2020 21:30:00 | 87 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Ozar 132kV | 06/01/2020 21:45:00 | 88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.161 | 0.000000 |
| Ozar 132kV | 06/01/2020 22:00:00 | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.815 | 0.000000 |
| Ozar 132kV | 06/01/2020 22:15:00 | 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.859 | 0.000000 |
| Ozar 132kV | 06/01/2020 22:30:00 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.742 | 0.000000 |
| Ozar 132kV | 06/01/2020 22:45:00 | 92 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.323 | 0.000000 |
| Ozar 132kV | 06/01/2020 23:00:00 | 93 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.903 | 0.000000 |
| Ozar 132kV | 06/01/2020 23:15:00 | 94 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Ozar 132kV | 06/01/2020 23:30:00 | 95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.222 | 0.000000 |
| Ozar 132kV | 06/01/2020 23:45:00 | 96 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Ozar 132kV | 07/01/2020 00:00:00 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.549 | 0.000000 |
| Ozar 132kV | 07/01/2020 00:15:00 | 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.647 | 0.000000 |
| Ozar 132kV | 07/01/2020 00:30:00 | 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.073 | 0.000000 |
| Ozar 132kV | 07/01/2020 00:45:00 | 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.744 | 0.000000 |
| Ozar 132kV | 07/01/2020 01:00:00 | 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |
| Ozar 132kV | 07/01/2020 01:15:00 | 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ozar 132kV | 07/01/2020 01:30:00 | 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Ozar 132kV | 07/01/2020 01:45:00 | 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Ozar 132kV | 07/01/2020 02:00:00 | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.073 | 0.000000 |
| Ozar 132kV | 07/01/2020 02:15:00 | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.073 | 0.000000 |
| Ozar 132kV | 07/01/2020 02:30:00 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.401 | 0.000000 |
| Ozar 132kV | 07/01/2020 02:45:00 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.745 | 0.000000 |
| Ozar 132kV | 07/01/2020 03:00:00 | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Ozar 132kV | 07/01/2020 03:15:00 | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.196 | 0.000000 |
| Ozar 132kV | 07/01/2020 03:30:00 | 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Ozar 132kV | 07/01/2020 03:45:00 | 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.098 | 0.000000 |
| Ozar 132kV | 07/01/2020 04:00:00 | 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Ozar 132kV | 07/01/2020 04:15:00 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.210 | 0.000000 |
| Ozar 132kV | 07/01/2020 04:30:00 | 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Ozar 132kV | 07/01/2020 04:45:00 | 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.098 | 0.000000 |
| Ozar 132kV | 07/01/2020 05:00:00 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.744 | 0.000000 |
| Ozar 132kV | 07/01/2020 05:15:00 | 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Ozar 132kV | 07/01/2020 05:30:00 | 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.073 | 0.000000 |
| Ozar 132kV | 07/01/2020 05:45:00 | 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Ozar 132kV | 07/01/2020 06:00:00 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.372 | 0.000000 |
| Ozar 132kV | 07/01/2020 06:15:00 | 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.556 | 0.000000 |
| Ozar 132kV | 07/01/2020 06:30:00 | 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.148 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ozar 132kV | 07/01/2020 06:45:00 | 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.821 | 0.000000 |
| Ozar 132kV | 07/01/2020 07:00:00 | 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.372 | 0.000000 |
| Ozar 132kV | 07/01/2020 07:15:00 | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 16.000 | 0.000000 |
| Ozar 132kV | 07/01/2020 07:30:00 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 9.296 | 0.000000 |
| Ozar 132kV | 07/01/2020 07:45:00 | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 9.794 | 0.000000 |
| Ozar 132kV | 07/01/2020 08:00:00 | 33 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.593 | 0.000000 |
| Ozar 132kV | 07/01/2020 08:15:00 | 34 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.401 | 0.000000 |
| Ozar 132kV | 07/01/2020 08:30:00 | 35 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.245 | 0.000000 |
| Ozar 132kV | 07/01/2020 08:45:00 | 36 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Ozar 132kV | 07/01/2020 09:00:00 | 37 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.745 | 0.000000 |
| Ozar 132kV | 07/01/2020 09:15:00 | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.715 | 0.000000 |
| Ozar 132kV | 07/01/2020 09:30:00 | 39 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.981 | 0.000000 |
| Ozar 132kV | 07/01/2020 09:45:00 | 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Ozar 132kV | 07/01/2020 10:00:00 | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.780 | 0.000000 |
| Ozar 132kV | 07/01/2020 10:15:00 | 42 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.643 | 0.000000 |
| Ozar 132kV | 07/01/2020 10:30:00 | 43 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.976 | 0.000000 |
| Ozar 132kV | 07/01/2020 10:45:00 | 44 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.415 | 0.000000 |
| Ozar 132kV | 07/01/2020 11:00:00 | 45 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.476 | 0.000000 |
| Ozar 132kV | 07/01/2020 11:15:00 | 46 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.826 | 0.000000 |
| Ozar 132kV | 07/01/2020 11:30:00 | 47 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.289 | 0.000000 |
| Ozar 132kV | 07/01/2020 11:45:00 | 48 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.549 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ozar 132kV | 07/01/2020 12:00:00 | 49 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.727 | 0.000000 |
| Ozar 132kV | 07/01/2020 12:15:00 | 50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.777 | 0.000000 |
| Ozar 132kV | 07/01/2020 12:30:00 | 51 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.798 | 0.000000 |
| Ozar 132kV | 07/01/2020 12:45:00 | 52 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Ozar 132kV | 07/01/2020 13:00:00 | 53 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.431 | 0.000000 |
| Ozar 132kV | 07/01/2020 13:15:00 | 54 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.387 | 0.000000 |
| Ozar 132kV | 07/01/2020 13:30:00 | 55 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Ozar 132kV | 07/01/2020 13:45:00 | 56 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.044 | 0.000000 |
| Ozar 132kV | 07/01/2020 14:00:00 | 57 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.215 | 0.000000 |
| Ozar 132kV | 07/01/2020 14:15:00 | 58 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 9.552 | 0.000000 |
| Ozar 132kV | 07/01/2020 14:30:00 | 59 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.358 | 0.000000 |
| Ozar 132kV | 07/01/2020 14:45:00 | 60 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.744 | 0.000000 |
| Ozar 132kV | 07/01/2020 15:00:00 | 61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.073 | 0.000000 |
| Ozar 132kV | 07/01/2020 15:15:00 | 62 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |
| Ozar 132kV | 07/01/2020 15:30:00 | 63 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.831 | 0.000000 |
| Ozar 132kV | 07/01/2020 15:45:00 | 64 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.372 | 0.000000 |
| Ozar 132kV | 07/01/2020 16:00:00 | 65 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.196 | 0.000000 |
| Ozar 132kV | 07/01/2020 16:15:00 | 66 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Ozar 132kV | 07/01/2020 16:30:00 | 67 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.738 | 0.000000 |
| Ozar 132kV | 07/01/2020 16:45:00 | 68 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.343 | 0.000000 |
| Ozar 132kV | 07/01/2020 17:00:00 | 69 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ozar 132kV | 07/01/2020 17:15:00 | 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.744 | 0.000000 |
| Ozar 132kV | 07/01/2020 17:30:00 | 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.401 | 0.000000 |
| Ozar 132kV | 07/01/2020 17:45:00 | 72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.745 | 0.000000 |
| Ozar 132kV | 07/01/2020 18:00:00 | 73 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.073 | 0.000000 |
| Ozar 132kV | 07/01/2020 18:15:00 | 74 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.372 | 0.000000 |
| Ozar 132kV | 07/01/2020 18:30:00 | 75 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.401 | 0.000000 |
| Ozar 132kV | 07/01/2020 18:45:00 | 76 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Ozar 132kV | 07/01/2020 19:00:00 | 77 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.730 | 0.000000 |
| Ozar 132kV | 07/01/2020 19:15:00 | 78 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.715 | 0.000000 |
| Ozar 132kV | 07/01/2020 19:30:00 | 79 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |
| Ozar 132kV | 07/01/2020 19:45:00 | 80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.210 | 0.000000 |
| Ozar 132kV | 07/01/2020 20:00:00 | 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.348 | 0.000000 |
| Ozar 132kV | 07/01/2020 20:15:00 | 82 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.387 | 0.000000 |
| Ozar 132kV | 07/01/2020 20:30:00 | 83 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.816 | 0.000000 |
| Ozar 132kV | 07/01/2020 20:45:00 | 84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.401 | 0.000000 |
| Ozar 132kV | 07/01/2020 21:00:00 | 85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |
| Ozar 132kV | 07/01/2020 21:15:00 | 86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Ozar 132kV | 07/01/2020 21:30:00 | 87 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.196 | 0.000000 |
| Ozar 132kV | 07/01/2020 21:45:00 | 88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.196 | 0.000000 |
| Ozar 132kV | 07/01/2020 22:00:00 | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.257 | 0.000000 |
| Ozar 132kV | 07/01/2020 22:15:00 | 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ozar 132kV | 07/01/2020 22:30:00 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.098 | 0.000000 |
| Ozar 132kV | 07/01/2020 22:45:00 | 92 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.647 | 0.000000 |
| Ozar 132kV | 07/01/2020 23:00:00 | 93 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Ozar 132kV | 07/01/2020 23:15:00 | 94 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Ozar 132kV | 07/01/2020 23:30:00 | 95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.196 | 0.000000 |
| Ozar 132kV | 07/01/2020 23:45:00 | 96 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.549 | 0.000000 |
| Ozar 132kV | 08/01/2020 00:00:00 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Ozar 132kV | 08/01/2020 00:15:00 | 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Ozar 132kV | 08/01/2020 00:30:00 | 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Ozar 132kV | 08/01/2020 00:45:00 | 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.424 | 0.000000 |
| Ozar 132kV | 08/01/2020 01:00:00 | 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.170 | 0.000000 |
| Ozar 132kV | 08/01/2020 01:15:00 | 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.761 | 0.000000 |
| Ozar 132kV | 08/01/2020 01:30:00 | 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.665 | 0.000000 |
| Ozar 132kV | 08/01/2020 01:45:00 | 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.665 | 0.000000 |
| Ozar 132kV | 08/01/2020 02:00:00 | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Ozar 132kV | 08/01/2020 02:15:00 | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.347 | 0.000000 |
| Ozar 132kV | 08/01/2020 02:30:00 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Ozar 132kV | 08/01/2020 02:45:00 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Ozar 132kV | 08/01/2020 03:00:00 | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.428 | 0.000000 |
| Ozar 132kV | 08/01/2020 03:15:00 | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Ozar 132kV | 08/01/2020 03:30:00 | 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ozar 132kV | 08/01/2020 03:45:00 | 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Ozar 132kV | 08/01/2020 04:00:00 | 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Ozar 132kV | 08/01/2020 04:15:00 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.665 | 0.000000 |
| Ozar 132kV | 08/01/2020 04:30:00 | 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Ozar 132kV | 08/01/2020 04:45:00 | 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Ozar 132kV | 08/01/2020 05:00:00 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Ozar 132kV | 08/01/2020 05:15:00 | 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Ozar 132kV | 08/01/2020 05:30:00 | 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.428 | 0.000000 |
| Ozar 132kV | 08/01/2020 05:45:00 | 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Ozar 132kV | 08/01/2020 06:00:00 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Ozar 132kV | 08/01/2020 06:15:00 | 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.220 | 0.000000 |
| Ozar 132kV | 08/01/2020 06:30:00 | 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.387 | 0.000000 |
| Ozar 132kV | 08/01/2020 06:45:00 | 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.734 | 0.000000 |
| Ozar 132kV | 08/01/2020 07:00:00 | 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.407 | 0.000000 |
| Ozar 132kV | 08/01/2020 07:15:00 | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.061 | 0.000000 |
| Ozar 132kV | 08/01/2020 07:30:00 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.714 | 0.000000 |
| Ozar 132kV | 08/01/2020 07:45:00 | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.061 | 0.000000 |
| Ozar 132kV | 08/01/2020 08:00:00 | 33 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Ozar 132kV | 08/01/2020 08:15:00 | 34 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Ozar 132kV | 08/01/2020 08:30:00 | 35 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.387 | 0.000000 |
| Ozar 132kV | 08/01/2020 08:45:00 | 36 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ozar 132kV | 08/01/2020 09:00:00 | 37 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.673 | 0.000000 |
| Ozar 132kV | 08/01/2020 09:15:00 | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.673 | 0.000000 |
| Ozar 132kV | 08/01/2020 09:30:00 | 39 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.101 | 0.000000 |
| Ozar 132kV | 08/01/2020 09:45:00 | 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Ozar 132kV | 08/01/2020 10:00:00 | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Ozar 132kV | 08/01/2020 10:15:00 | 42 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Ozar 132kV | 08/01/2020 10:30:00 | 43 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.665 | 0.000000 |
| Ozar 132kV | 08/01/2020 10:45:00 | 44 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Ozar 132kV | 08/01/2020 11:00:00 | 45 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.486 | 0.000000 |
| Ozar 132kV | 08/01/2020 11:15:00 | 46 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.305 | 0.000000 |
| Ozar 132kV | 08/01/2020 11:30:00 | 47 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.425 | 0.000000 |
| Ozar 132kV | 08/01/2020 11:45:00 | 48 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Ozar 132kV | 08/01/2020 12:00:00 | 49 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.083 | 0.000000 |
| Ozar 132kV | 08/01/2020 12:15:00 | 50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.242 | 0.000000 |
| Ozar 132kV | 08/01/2020 12:30:00 | 51 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.330 | 0.000000 |
| Ozar 132kV | 08/01/2020 12:45:00 | 52 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.830 | 0.000000 |
| Ozar 132kV | 08/01/2020 13:00:00 | 53 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Ozar 132kV | 08/01/2020 13:15:00 | 54 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Ozar 132kV | 08/01/2020 13:30:00 | 55 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.012 | 0.000000 |
| Ozar 132kV | 08/01/2020 13:45:00 | 56 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.087 | 0.000000 |
| Ozar 132kV | 08/01/2020 14:00:00 | 57 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ozar 132kV | 08/01/2020 14:15:00 | 58 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.081 | 0.000000 |
| Ozar 132kV | 08/01/2020 14:30:00 | 59 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.996 | 0.000000 |
| Ozar 132kV | 08/01/2020 14:45:00 | 60 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Ozar 132kV | 08/01/2020 15:00:00 | 61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.879 | 0.000000 |
| Ozar 132kV | 08/01/2020 15:15:00 | 62 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.081 | 0.000000 |
| Ozar 132kV | 08/01/2020 15:30:00 | 63 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.938 | 0.000000 |
| Ozar 132kV | 08/01/2020 15:45:00 | 64 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.719 | 0.000000 |
| Ozar 132kV | 08/01/2020 16:00:00 | 65 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.555 | 0.000000 |
| Ozar 132kV | 08/01/2020 16:15:00 | 66 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.081 | 0.000000 |
| Ozar 132kV | 08/01/2020 16:30:00 | 67 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.754 | 0.000000 |
| Ozar 132kV | 08/01/2020 16:45:00 | 68 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -8.000 | 0.000000 |
| Ozar 132kV | 08/01/2020 17:00:00 | 69 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Ozar 132kV | 08/01/2020 17:15:00 | 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.081 | 0.000000 |
| Ozar 132kV | 08/01/2020 17:30:00 | 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.387 | 0.000000 |
| Ozar 132kV | 08/01/2020 17:45:00 | 72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Ozar 132kV | 08/01/2020 18:00:00 | 73 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Ozar 132kV | 08/01/2020 18:15:00 | 74 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Ozar 132kV | 08/01/2020 18:30:00 | 75 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Ozar 132kV | 08/01/2020 18:45:00 | 76 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.220 | 0.000000 |
| Ozar 132kV | 08/01/2020 19:00:00 | 77 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Ozar 132kV | 08/01/2020 19:15:00 | 78 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ozar 132kV | 08/01/2020 19:30:00 | 79 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Ozar 132kV | 08/01/2020 19:45:00 | 80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.555 | 0.000000 |
| Ozar 132kV | 08/01/2020 20:00:00 | 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Ozar 132kV | 08/01/2020 20:15:00 | 82 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.101 | 0.000000 |
| Ozar 132kV | 08/01/2020 20:30:00 | 83 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.408 | 0.000000 |
| Ozar 132kV | 08/01/2020 20:45:00 | 84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.101 | 0.000000 |
| Ozar 132kV | 08/01/2020 21:00:00 | 85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.101 | 0.000000 |
| Ozar 132kV | 08/01/2020 21:15:00 | 86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.555 | 0.000000 |
| Ozar 132kV | 08/01/2020 21:30:00 | 87 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Ozar 132kV | 08/01/2020 21:45:00 | 88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Ozar 132kV | 08/01/2020 22:00:00 | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.489 | 0.000000 |
| Ozar 132kV | 08/01/2020 22:15:00 | 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Ozar 132kV | 08/01/2020 22:30:00 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.223 | 0.000000 |
| Ozar 132kV | 08/01/2020 22:45:00 | 92 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Ozar 132kV | 08/01/2020 23:00:00 | 93 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Ozar 132kV | 08/01/2020 23:15:00 | 94 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Ozar 132kV | 08/01/2020 23:30:00 | 95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Ozar 132kV | 08/01/2020 23:45:00 | 96 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Ozar 132kV | 09/01/2020 00:00:00 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Ozar 132kV | 09/01/2020 00:15:00 | 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Ozar 132kV | 09/01/2020 00:30:00 | 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ozar 132kV | 09/01/2020 00:45:00 | 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Ozar 132kV | 09/01/2020 01:00:00 | 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.519 | 0.000000 |
| Ozar 132kV | 09/01/2020 01:15:00 | 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.519 | 0.000000 |
| Ozar 132kV | 09/01/2020 01:30:00 | 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.199 | 0.000000 |
| Ozar 132kV | 09/01/2020 01:45:00 | 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.519 | 0.000000 |
| Ozar 132kV | 09/01/2020 02:00:00 | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.519 | 0.000000 |
| Ozar 132kV | 09/01/2020 02:15:00 | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.879 | 0.000000 |
| Ozar 132kV | 09/01/2020 02:30:00 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.199 | 0.000000 |
| Ozar 132kV | 09/01/2020 02:45:00 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |
| Ozar 132kV | 09/01/2020 03:00:00 | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Ozar 132kV | 09/01/2020 03:15:00 | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.839 | 0.000000 |
| Ozar 132kV | 09/01/2020 03:30:00 | 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.199 | 0.000000 |
| Ozar 132kV | 09/01/2020 03:45:00 | 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Ozar 132kV | 09/01/2020 04:00:00 | 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Ozar 132kV | 09/01/2020 04:15:00 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Ozar 132kV | 09/01/2020 04:30:00 | 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Ozar 132kV | 09/01/2020 04:45:00 | 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.879 | 0.000000 |
| Ozar 132kV | 09/01/2020 05:00:00 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.839 | 0.000000 |
| Ozar 132kV | 09/01/2020 05:15:00 | 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.119 | 0.000000 |
| Ozar 132kV | 09/01/2020 05:30:00 | 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.064 | 0.000000 |
| Ozar 132kV | 09/01/2020 05:45:00 | 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ozar 132kV | 09/01/2020 06:00:00 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.303 | 0.000000 |
| Ozar 132kV | 09/01/2020 06:15:00 | 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.303 | 0.000000 |
| Ozar 132kV | 09/01/2020 06:30:00 | 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.839 | 0.000000 |
| Ozar 132kV | 09/01/2020 06:45:00 | 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Ozar 132kV | 09/01/2020 07:00:00 | 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Ozar 132kV | 09/01/2020 07:15:00 | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.400 | 0.000000 |
| Ozar 132kV | 09/01/2020 07:30:00 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.172 | 0.000000 |
| Ozar 132kV | 09/01/2020 07:45:00 | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.576 | 0.000000 |
| Ozar 132kV | 09/01/2020 08:00:00 | 33 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Ozar 132kV | 09/01/2020 08:15:00 | 34 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.152 | 0.000000 |
| Ozar 132kV | 09/01/2020 08:30:00 | 35 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.576 | 0.000000 |
| Ozar 132kV | 09/01/2020 08:45:00 | 36 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Ozar 132kV | 09/01/2020 09:00:00 | 37 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |
| Ozar 132kV | 09/01/2020 09:15:00 | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Ozar 132kV | 09/01/2020 09:30:00 | 39 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.839 | 0.000000 |
| Ozar 132kV | 09/01/2020 09:45:00 | 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.152 | 0.000000 |
| Ozar 132kV | 09/01/2020 10:00:00 | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Ozar 132kV | 09/01/2020 10:15:00 | 42 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Ozar 132kV | 09/01/2020 10:30:00 | 43 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.303 | 0.000000 |
| Ozar 132kV | 09/01/2020 10:45:00 | 44 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.144 | 0.000000 |
| Ozar 132kV | 09/01/2020 11:00:00 | 45 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.479 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ozar 132kV | 09/01/2020 11:15:00 | 46 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.519 | 0.000000 |
| Ozar 132kV | 09/01/2020 11:30:00 | 47 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.303 | 0.000000 |
| Ozar 132kV | 09/01/2020 11:45:00 | 48 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Ozar 132kV | 09/01/2020 12:00:00 | 49 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Ozar 132kV | 09/01/2020 12:15:00 | 50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.839 | 0.000000 |
| Ozar 132kV | 09/01/2020 12:30:00 | 51 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.199 | 0.000000 |
| Ozar 132kV | 09/01/2020 12:45:00 | 52 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.199 | 0.000000 |
| Ozar 132kV | 09/01/2020 13:00:00 | 53 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.152 | 0.000000 |
| Ozar 132kV | 09/01/2020 13:15:00 | 54 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.152 | 0.000000 |
| Ozar 132kV | 09/01/2020 13:30:00 | 55 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Ozar 132kV | 09/01/2020 13:45:00 | 56 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.199 | 0.000000 |
| Ozar 132kV | 09/01/2020 14:00:00 | 57 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.345 | 0.000000 |
| Ozar 132kV | 09/01/2020 14:15:00 | 58 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.941 | 0.000000 |
| Ozar 132kV | 09/01/2020 14:30:00 | 59 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |
| Ozar 132kV | 09/01/2020 14:45:00 | 60 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Ozar 132kV | 09/01/2020 15:00:00 | 61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.006 | 0.000000 |
| Ozar 132kV | 09/01/2020 15:15:00 | 62 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.199 | 0.000000 |
| Ozar 132kV | 09/01/2020 15:30:00 | 63 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.879 | 0.000000 |
| Ozar 132kV | 09/01/2020 15:45:00 | 64 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.839 | 0.000000 |
| Ozar 132kV | 09/01/2020 16:00:00 | 65 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Ozar 132kV | 09/01/2020 16:15:00 | 66 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ozar 132kV | 09/01/2020 16:30:00 | 67 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.159 | 0.000000 |
| Ozar 132kV | 09/01/2020 16:45:00 | 68 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.839 | 0.000000 |
| Ozar 132kV | 09/01/2020 17:00:00 | 69 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Ozar 132kV | 09/01/2020 17:15:00 | 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.839 | 0.000000 |
| Ozar 132kV | 09/01/2020 17:30:00 | 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Ozar 132kV | 09/01/2020 17:45:00 | 72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.146 | 0.000000 |
| Ozar 132kV | 09/01/2020 18:00:00 | 73 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.349 | 0.000000 |
| Ozar 132kV | 09/01/2020 18:15:00 | 74 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.563 | 0.000000 |
| Ozar 132kV | 09/01/2020 18:30:00 | 75 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.839 | 0.000000 |
| Ozar 132kV | 09/01/2020 18:45:00 | 76 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Ozar 132kV | 09/01/2020 19:00:00 | 77 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.199 | 0.000000 |
| Ozar 132kV | 09/01/2020 19:15:00 | 78 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Ozar 132kV | 09/01/2020 19:30:00 | 79 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.442 | 0.000000 |
| Ozar 132kV | 09/01/2020 19:45:00 | 80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.286 | 0.000000 |
| Ozar 132kV | 09/01/2020 20:00:00 | 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.070 | 0.000000 |
| Ozar 132kV | 09/01/2020 20:15:00 | 82 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.236 | 0.000000 |
| Ozar 132kV | 09/01/2020 20:30:00 | 83 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.799 | 0.000000 |
| Ozar 132kV | 09/01/2020 20:45:00 | 84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Ozar 132kV | 09/01/2020 21:00:00 | 85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Ozar 132kV | 09/01/2020 21:15:00 | 86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |
| Ozar 132kV | 09/01/2020 21:30:00 | 87 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ozar 132kV | 09/01/2020 21:45:00 | 88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.303 | 0.000000 |
| Ozar 132kV | 09/01/2020 22:00:00 | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.795 | 0.000000 |
| Ozar 132kV | 09/01/2020 22:15:00 | 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.674 | 0.000000 |
| Ozar 132kV | 09/01/2020 22:30:00 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.303 | 0.000000 |
| Ozar 132kV | 09/01/2020 22:45:00 | 92 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.152 | 0.000000 |
| Ozar 132kV | 09/01/2020 23:00:00 | 93 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Ozar 132kV | 09/01/2020 23:15:00 | 94 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Ozar 132kV | 09/01/2020 23:30:00 | 95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Ozar 132kV | 09/01/2020 23:45:00 | 96 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.987 | 0.000000 |
| Ozar 132kV | 10/01/2020 00:00:00 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.680 | 0.000000 |
| Ozar 132kV | 10/01/2020 00:15:00 | 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.326 | 0.000000 |
| Ozar 132kV | 10/01/2020 00:30:00 | 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.992 | 0.000000 |
| Ozar 132kV | 10/01/2020 00:45:00 | 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.532 | 0.000000 |
| Ozar 132kV | 10/01/2020 01:00:00 | 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.713 | 0.000000 |
| Ozar 132kV | 10/01/2020 01:15:00 | 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.548 | 0.000000 |
| Ozar 132kV | 10/01/2020 01:30:00 | 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Ozar 132kV | 10/01/2020 01:45:00 | 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Ozar 132kV | 10/01/2020 02:00:00 | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.342 | 0.000000 |
| Ozar 132kV | 10/01/2020 02:15:00 | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.595 | 0.000000 |
| Ozar 132kV | 10/01/2020 02:30:00 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.326 | 0.000000 |
| Ozar 132kV | 10/01/2020 02:45:00 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ozar 132kV | 10/01/2020 03:00:00 | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.658 | 0.000000 |
| Ozar 132kV | 10/01/2020 03:15:00 | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Ozar 132kV | 10/01/2020 03:30:00 | 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Ozar 132kV | 10/01/2020 03:45:00 | 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.063 | 0.000000 |
| Ozar 132kV | 10/01/2020 04:00:00 | 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.595 | 0.000000 |
| Ozar 132kV | 10/01/2020 04:15:00 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.326 | 0.000000 |
| Ozar 132kV | 10/01/2020 04:30:00 | 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.326 | 0.000000 |
| Ozar 132kV | 10/01/2020 04:45:00 | 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Ozar 132kV | 10/01/2020 05:00:00 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.992 | 0.000000 |
| Ozar 132kV | 10/01/2020 05:15:00 | 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.063 | 0.000000 |
| Ozar 132kV | 10/01/2020 05:30:00 | 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Ozar 132kV | 10/01/2020 05:45:00 | 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Ozar 132kV | 10/01/2020 06:00:00 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.127 | 0.000000 |
| Ozar 132kV | 10/01/2020 06:15:00 | 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.658 | 0.000000 |
| Ozar 132kV | 10/01/2020 06:30:00 | 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.992 | 0.000000 |
| Ozar 132kV | 10/01/2020 06:45:00 | 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.077 | 0.000000 |
| Ozar 132kV | 10/01/2020 07:00:00 | 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.687 | 0.000000 |
| Ozar 132kV | 10/01/2020 07:15:00 | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Ozar 132kV | 10/01/2020 07:30:00 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.063 | 0.000000 |
| Ozar 132kV | 10/01/2020 07:45:00 | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Ozar 132kV | 10/01/2020 08:00:00 | 33 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ozar 132kV | 10/01/2020 08:15:00 | 34 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.661 | 0.000000 |
| Ozar 132kV | 10/01/2020 08:30:00 | 35 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.663 | 0.000000 |
| Ozar 132kV | 10/01/2020 08:45:00 | 36 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.328 | 0.000000 |
| Ozar 132kV | 10/01/2020 09:00:00 | 37 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.995 | 0.000000 |
| Ozar 132kV | 10/01/2020 09:15:00 | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.327 | 0.000000 |
| Ozar 132kV | 10/01/2020 09:30:00 | 39 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.127 | 0.000000 |
| Ozar 132kV | 10/01/2020 09:45:00 | 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.152 | 0.000000 |
| Ozar 132kV | 10/01/2020 10:00:00 | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Ozar 132kV | 10/01/2020 10:15:00 | 42 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.532 | 0.000000 |
| Ozar 132kV | 10/01/2020 10:30:00 | 43 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.063 | 0.000000 |
| Ozar 132kV | 10/01/2020 10:45:00 | 44 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Ozar 132kV | 10/01/2020 11:00:00 | 45 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.658 | 0.000000 |
| Ozar 132kV | 10/01/2020 11:15:00 | 46 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Ozar 132kV | 10/01/2020 11:30:00 | 47 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.595 | 0.000000 |
| Ozar 132kV | 10/01/2020 11:45:00 | 48 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.992 | 0.000000 |
| Ozar 132kV | 10/01/2020 12:00:00 | 49 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Ozar 132kV | 10/01/2020 12:15:00 | 50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Ozar 132kV | 10/01/2020 12:30:00 | 51 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.595 | 0.000000 |
| Ozar 132kV | 10/01/2020 12:45:00 | 52 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.063 | 0.000000 |
| Ozar 132kV | 10/01/2020 13:00:00 | 53 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.658 | 0.000000 |
| Ozar 132kV | 10/01/2020 13:15:00 | 54 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ozar 132kV | 10/01/2020 13:30:00 | 55 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Ozar 132kV | 10/01/2020 13:45:00 | 56 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.326 | 0.000000 |
| Ozar 132kV | 10/01/2020 14:00:00 | 57 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.992 | 0.000000 |
| Ozar 132kV | 10/01/2020 14:15:00 | 58 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.660 | 0.000000 |
| Ozar 132kV | 10/01/2020 14:30:00 | 59 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.127 | 0.000000 |
| Ozar 132kV | 10/01/2020 14:45:00 | 60 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.127 | 0.000000 |
| Ozar 132kV | 10/01/2020 15:00:00 | 61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Ozar 132kV | 10/01/2020 15:15:00 | 62 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.992 | 0.000000 |
| Ozar 132kV | 10/01/2020 15:30:00 | 63 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.995 | 0.000000 |
| Ozar 132kV | 10/01/2020 15:45:00 | 64 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.327 | 0.000000 |
| Ozar 132kV | 10/01/2020 16:00:00 | 65 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.995 | 0.000000 |
| Ozar 132kV | 10/01/2020 16:15:00 | 66 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -8.000 | 0.000000 |
| Ozar 132kV | 10/01/2020 16:30:00 | 67 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -8.000 | 0.000000 |
| Ozar 132kV | 10/01/2020 16:45:00 | 68 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.327 | 0.000000 |
| Ozar 132kV | 10/01/2020 17:00:00 | 69 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.532 | 0.000000 |
| Ozar 132kV | 10/01/2020 17:15:00 | 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.595 | 0.000000 |
| Ozar 132kV | 10/01/2020 17:30:00 | 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Ozar 132kV | 10/01/2020 17:45:00 | 72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.127 | 0.000000 |
| Ozar 132kV | 10/01/2020 18:00:00 | 73 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.461 | 0.000000 |
| Ozar 132kV | 10/01/2020 18:15:00 | 74 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.326 | 0.000000 |
| Ozar 132kV | 10/01/2020 18:30:00 | 75 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ozar 132kV | 10/01/2020 18:45:00 | 76 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.994 | 0.000000 |
| Ozar 132kV | 10/01/2020 19:00:00 | 77 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.127 | 0.000000 |
| Ozar 132kV | 10/01/2020 19:15:00 | 78 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Ozar 132kV | 10/01/2020 19:30:00 | 79 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.660 | 0.000000 |
| Ozar 132kV | 10/01/2020 19:45:00 | 80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.326 | 0.000000 |
| Ozar 132kV | 10/01/2020 20:00:00 | 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.660 | 0.000000 |
| Ozar 132kV | 10/01/2020 20:15:00 | 82 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.660 | 0.000000 |
| Ozar 132kV | 10/01/2020 20:30:00 | 83 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.995 | 0.000000 |
| Ozar 132kV | 10/01/2020 20:45:00 | 84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.992 | 0.000000 |
| Ozar 132kV | 10/01/2020 21:00:00 | 85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.660 | 0.000000 |
| Ozar 132kV | 10/01/2020 21:15:00 | 86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.595 | 0.000000 |
| Ozar 132kV | 10/01/2020 21:30:00 | 87 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.063 | 0.000000 |
| Ozar 132kV | 10/01/2020 21:45:00 | 88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.532 | 0.000000 |
| Ozar 132kV | 10/01/2020 22:00:00 | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.595 | 0.000000 |
| Ozar 132kV | 10/01/2020 22:15:00 | 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.127 | 0.000000 |
| Ozar 132kV | 10/01/2020 22:30:00 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.063 | 0.000000 |
| Ozar 132kV | 10/01/2020 22:45:00 | 92 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Ozar 132kV | 10/01/2020 23:00:00 | 93 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Ozar 132kV | 10/01/2020 23:15:00 | 94 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Ozar 132kV | 10/01/2020 23:30:00 | 95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Ozar 132kV | 10/01/2020 23:45:00 | 96 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ozar 132kV | 11/01/2020 00:00:00 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Ozar 132kV | 11/01/2020 00:15:00 | 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.629 | 0.000000 |
| Ozar 132kV | 11/01/2020 00:30:00 | 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.577 | 0.000000 |
| Ozar 132kV | 11/01/2020 00:45:00 | 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.103 | 0.000000 |
| Ozar 132kV | 11/01/2020 01:00:00 | 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Ozar 132kV | 11/01/2020 01:15:00 | 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.052 | 0.000000 |
| Ozar 132kV | 11/01/2020 01:30:00 | 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.577 | 0.000000 |
| Ozar 132kV | 11/01/2020 01:45:00 | 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.526 | 0.000000 |
| Ozar 132kV | 11/01/2020 02:00:00 | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.403 | 0.000000 |
| Ozar 132kV | 11/01/2020 02:15:00 | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.630 | 0.000000 |
| Ozar 132kV | 11/01/2020 02:30:00 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.526 | 0.000000 |
| Ozar 132kV | 11/01/2020 02:45:00 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.526 | 0.000000 |
| Ozar 132kV | 11/01/2020 03:00:00 | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.051 | 0.000000 |
| Ozar 132kV | 11/01/2020 03:15:00 | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Ozar 132kV | 11/01/2020 03:30:00 | 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Ozar 132kV | 11/01/2020 03:45:00 | 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Ozar 132kV | 11/01/2020 04:00:00 | 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Ozar 132kV | 11/01/2020 04:15:00 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.051 | 0.000000 |
| Ozar 132kV | 11/01/2020 04:30:00 | 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.964 | 0.000000 |
| Ozar 132kV | 11/01/2020 04:45:00 | 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.300 | 0.000000 |
| Ozar 132kV | 11/01/2020 05:00:00 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ozar 132kV | 11/01/2020 05:15:00 | 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.314 | 0.000000 |
| Ozar 132kV | 11/01/2020 05:30:00 | 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Ozar 132kV | 11/01/2020 05:45:00 | 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.103 | 0.000000 |
| Ozar 132kV | 11/01/2020 06:00:00 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.636 | 0.000000 |
| Ozar 132kV | 11/01/2020 06:15:00 | 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Ozar 132kV | 11/01/2020 06:30:00 | 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.105 | 0.000000 |
| Ozar 132kV | 11/01/2020 06:45:00 | 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.650 | 0.000000 |
| Ozar 132kV | 11/01/2020 07:00:00 | 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.300 | 0.000000 |
| Ozar 132kV | 11/01/2020 07:15:00 | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.314 | 0.000000 |
| Ozar 132kV | 11/01/2020 07:30:00 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Ozar 132kV | 11/01/2020 07:45:00 | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.103 | 0.000000 |
| Ozar 132kV | 11/01/2020 08:00:00 | 33 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.577 | 0.000000 |
| Ozar 132kV | 11/01/2020 08:15:00 | 34 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.300 | 0.000000 |
| Ozar 132kV | 11/01/2020 08:30:00 | 35 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.116 | 0.000000 |
| Ozar 132kV | 11/01/2020 08:45:00 | 36 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Ozar 132kV | 11/01/2020 09:00:00 | 37 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.681 | 0.000000 |
| Ozar 132kV | 11/01/2020 09:15:00 | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.657 | 0.000000 |
| Ozar 132kV | 11/01/2020 09:30:00 | 39 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -6.322 | 0.000000 |
| Ozar 132kV | 11/01/2020 09:45:00 | 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.103 | 0.000000 |
| Ozar 132kV | 11/01/2020 10:00:00 | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.526 | 0.000000 |
| Ozar 132kV | 11/01/2020 10:15:00 | 42 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ozar 132kV | 11/01/2020 10:30:00 | 43 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Ozar 132kV | 11/01/2020 10:45:00 | 44 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Ozar 132kV | 11/01/2020 11:00:00 | 45 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Ozar 132kV | 11/01/2020 11:15:00 | 46 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.964 | 0.000000 |
| Ozar 132kV | 11/01/2020 11:30:00 | 47 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.307 | 0.000000 |
| Ozar 132kV | 11/01/2020 11:45:00 | 48 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.300 | 0.000000 |
| Ozar 132kV | 11/01/2020 12:00:00 | 49 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.526 | 0.000000 |
| Ozar 132kV | 11/01/2020 12:15:00 | 50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.103 | 0.000000 |
| Ozar 132kV | 11/01/2020 12:30:00 | 51 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.629 | 0.000000 |
| Ozar 132kV | 11/01/2020 12:45:00 | 52 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.629 | 0.000000 |
| Ozar 132kV | 11/01/2020 13:00:00 | 53 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Ozar 132kV | 11/01/2020 13:15:00 | 54 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.103 | 0.000000 |
| Ozar 132kV | 11/01/2020 13:30:00 | 55 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.629 | 0.000000 |
| Ozar 132kV | 11/01/2020 13:45:00 | 56 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.103 | 0.000000 |
| Ozar 132kV | 11/01/2020 14:00:00 | 57 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.051 | 0.000000 |
| Ozar 132kV | 11/01/2020 14:15:00 | 58 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.300 | 0.000000 |
| Ozar 132kV | 11/01/2020 14:30:00 | 59 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.636 | 0.000000 |
| Ozar 132kV | 11/01/2020 14:45:00 | 60 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.979 | 0.000000 |
| Ozar 132kV | 11/01/2020 15:00:00 | 61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.964 | 0.000000 |
| Ozar 132kV | 11/01/2020 15:15:00 | 62 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.314 | 0.000000 |
| Ozar 132kV | 11/01/2020 15:30:00 | 63 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ozar 132kV | 11/01/2020 15:45:00 | 64 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.643 | 0.000000 |
| Ozar 132kV | 11/01/2020 16:00:00 | 65 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.103 | 0.000000 |
| Ozar 132kV | 11/01/2020 16:15:00 | 66 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.964 | 0.000000 |
| Ozar 132kV | 11/01/2020 16:30:00 | 67 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.103 | 0.000000 |
| Ozar 132kV | 11/01/2020 16:45:00 | 68 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.972 | 0.000000 |
| Ozar 132kV | 11/01/2020 17:00:00 | 69 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.577 | 0.000000 |
| Ozar 132kV | 11/01/2020 17:15:00 | 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.577 | 0.000000 |
| Ozar 132kV | 11/01/2020 17:30:00 | 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.051 | 0.000000 |
| Ozar 132kV | 11/01/2020 17:45:00 | 72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.103 | 0.000000 |
| Ozar 132kV | 11/01/2020 18:00:00 | 73 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.964 | 0.000000 |
| Ozar 132kV | 11/01/2020 18:15:00 | 74 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.629 | 0.000000 |
| Ozar 132kV | 11/01/2020 18:30:00 | 75 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.103 | 0.000000 |
| Ozar 132kV | 11/01/2020 18:45:00 | 76 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.526 | 0.000000 |
| Ozar 132kV | 11/01/2020 19:00:00 | 77 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.103 | 0.000000 |
| Ozar 132kV | 11/01/2020 19:15:00 | 78 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.052 | 0.000000 |
| Ozar 132kV | 11/01/2020 19:30:00 | 79 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Ozar 132kV | 11/01/2020 19:45:00 | 80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.629 | 0.000000 |
| Ozar 132kV | 11/01/2020 20:00:00 | 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.629 | 0.000000 |
| Ozar 132kV | 11/01/2020 20:15:00 | 82 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.307 | 0.000000 |
| Ozar 132kV | 11/01/2020 20:30:00 | 83 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Ozar 132kV | 11/01/2020 20:45:00 | 84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.629 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ozar 132kV | 11/01/2020 21:00:00 | 85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.636 | 0.000000 |
| Ozar 132kV | 11/01/2020 21:15:00 | 86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.577 | 0.000000 |
| Ozar 132kV | 11/01/2020 21:30:00 | 87 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.577 | 0.000000 |
| Ozar 132kV | 11/01/2020 21:45:00 | 88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.052 | 0.000000 |
| Ozar 132kV | 11/01/2020 22:00:00 | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.650 | 0.000000 |
| Ozar 132kV | 11/01/2020 22:15:00 | 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.650 | 0.000000 |
| Ozar 132kV | 11/01/2020 22:30:00 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.979 | 0.000000 |
| Ozar 132kV | 11/01/2020 22:45:00 | 92 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Ozar 132kV | 11/01/2020 23:00:00 | 93 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.577 | 0.000000 |
| Ozar 132kV | 11/01/2020 23:15:00 | 94 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.074 | 0.000000 |
| Ozar 132kV | 11/01/2020 23:30:00 | 95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.113 | 0.000000 |
| Ozar 132kV | 11/01/2020 23:45:00 | 96 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.162 | 0.000000 |
| Ozar 132kV | 12/01/2020 00:00:00 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Ozar 132kV | 12/01/2020 00:15:00 | 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |
| Ozar 132kV | 12/01/2020 00:30:00 | 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |
| Ozar 132kV | 12/01/2020 00:45:00 | 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Ozar 132kV | 12/01/2020 01:00:00 | 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.629 | 0.000000 |
| Ozar 132kV | 12/01/2020 01:15:00 | 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.317 | 0.000000 |
| Ozar 132kV | 12/01/2020 01:30:00 | 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.354 | 0.000000 |
| Ozar 132kV | 12/01/2020 01:45:00 | 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Ozar 132kV | 12/01/2020 02:00:00 | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ozar 132kV | 12/01/2020 02:15:00 | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Ozar 132kV | 12/01/2020 02:30:00 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.690 | 0.000000 |
| Ozar 132kV | 12/01/2020 02:45:00 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Ozar 132kV | 12/01/2020 03:00:00 | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.354 | 0.000000 |
| Ozar 132kV | 12/01/2020 03:15:00 | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Ozar 132kV | 12/01/2020 03:30:00 | 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.354 | 0.000000 |
| Ozar 132kV | 12/01/2020 03:45:00 | 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Ozar 132kV | 12/01/2020 04:00:00 | 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |
| Ozar 132kV | 12/01/2020 04:15:00 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Ozar 132kV | 12/01/2020 04:30:00 | 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.076 | 0.000000 |
| Ozar 132kV | 12/01/2020 04:45:00 | 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Ozar 132kV | 12/01/2020 05:00:00 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.686 | 0.000000 |
| Ozar 132kV | 12/01/2020 05:15:00 | 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.686 | 0.000000 |
| Ozar 132kV | 12/01/2020 05:30:00 | 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.614 | 0.000000 |
| Ozar 132kV | 12/01/2020 05:45:00 | 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.496 | 0.000000 |
| Ozar 132kV | 12/01/2020 06:00:00 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Ozar 132kV | 12/01/2020 06:15:00 | 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.430 | 0.000000 |
| Ozar 132kV | 12/01/2020 06:30:00 | 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |
| Ozar 132kV | 12/01/2020 06:45:00 | 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.681 | 0.000000 |
| Ozar 132kV | 12/01/2020 07:00:00 | 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.614 | 0.000000 |
| Ozar 132kV | 12/01/2020 07:15:00 | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.838 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ozar 132kV | 12/01/2020 07:30:00 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Ozar 132kV | 12/01/2020 07:45:00 | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.690 | 0.000000 |
| Ozar 132kV | 12/01/2020 08:00:00 | 33 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.690 | 0.000000 |
| Ozar 132kV | 12/01/2020 08:15:00 | 34 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.018 | 0.000000 |
| Ozar 132kV | 12/01/2020 08:30:00 | 35 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.690 | 0.000000 |
| Ozar 132kV | 12/01/2020 08:45:00 | 36 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Ozar 132kV | 12/01/2020 09:00:00 | 37 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.354 | 0.000000 |
| Ozar 132kV | 12/01/2020 09:15:00 | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.350 | 0.000000 |
| Ozar 132kV | 12/01/2020 09:30:00 | 39 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Ozar 132kV | 12/01/2020 09:45:00 | 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.690 | 0.000000 |
| Ozar 132kV | 12/01/2020 10:00:00 | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.354 | 0.000000 |
| Ozar 132kV | 12/01/2020 10:15:00 | 42 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.686 | 0.000000 |
| Ozar 132kV | 12/01/2020 10:30:00 | 43 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.614 | 0.000000 |
| Ozar 132kV | 12/01/2020 10:45:00 | 44 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.686 | 0.000000 |
| Ozar 132kV | 12/01/2020 11:00:00 | 45 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.354 | 0.000000 |
| Ozar 132kV | 12/01/2020 11:15:00 | 46 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.450 | 0.000000 |
| Ozar 132kV | 12/01/2020 11:30:00 | 47 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -6.009 | 0.000000 |
| Ozar 132kV | 12/01/2020 11:45:00 | 48 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.690 | 0.000000 |
| Ozar 132kV | 12/01/2020 12:00:00 | 49 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.686 | 0.000000 |
| Ozar 132kV | 12/01/2020 12:15:00 | 50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.345 | 0.000000 |
| Ozar 132kV | 12/01/2020 12:30:00 | 51 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ozar 132kV | 12/01/2020 12:45:00 | 52 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.345 | 0.000000 |
| Ozar 132kV | 12/01/2020 13:00:00 | 53 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.999 | 0.000000 |
| Ozar 132kV | 12/01/2020 13:15:00 | 54 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.350 | 0.000000 |
| Ozar 132kV | 12/01/2020 13:30:00 | 55 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.076 | 0.000000 |
| Ozar 132kV | 12/01/2020 13:45:00 | 56 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.690 | 0.000000 |
| Ozar 132kV | 12/01/2020 14:00:00 | 57 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.538 | 0.000000 |
| Ozar 132kV | 12/01/2020 14:15:00 | 58 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |
| Ozar 132kV | 12/01/2020 14:30:00 | 59 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.690 | 0.000000 |
| Ozar 132kV | 12/01/2020 14:45:00 | 60 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.076 | 0.000000 |
| Ozar 132kV | 12/01/2020 15:00:00 | 61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Ozar 132kV | 12/01/2020 15:15:00 | 62 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.690 | 0.000000 |
| Ozar 132kV | 12/01/2020 15:30:00 | 63 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Ozar 132kV | 12/01/2020 15:45:00 | 64 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.686 | 0.000000 |
| Ozar 132kV | 12/01/2020 16:00:00 | 65 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.737 | 0.000000 |
| Ozar 132kV | 12/01/2020 16:15:00 | 66 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.786 | 0.000000 |
| Ozar 132kV | 12/01/2020 16:30:00 | 67 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.350 | 0.000000 |
| Ozar 132kV | 12/01/2020 16:45:00 | 68 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.614 | 0.000000 |
| Ozar 132kV | 12/01/2020 17:00:00 | 69 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Ozar 132kV | 12/01/2020 17:15:00 | 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.690 | 0.000000 |
| Ozar 132kV | 12/01/2020 17:30:00 | 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Ozar 132kV | 12/01/2020 17:45:00 | 72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ozar 132kV | 12/01/2020 18:00:00 | 73 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.538 | 0.000000 |
| Ozar 132kV | 12/01/2020 18:15:00 | 74 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.350 | 0.000000 |
| Ozar 132kV | 12/01/2020 18:30:00 | 75 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.690 | 0.000000 |
| Ozar 132kV | 12/01/2020 18:45:00 | 76 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Ozar 132kV | 12/01/2020 19:00:00 | 77 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.686 | 0.000000 |
| Ozar 132kV | 12/01/2020 19:15:00 | 78 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.690 | 0.000000 |
| Ozar 132kV | 12/01/2020 19:30:00 | 79 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Ozar 132kV | 12/01/2020 19:45:00 | 80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.781 | 0.000000 |
| Ozar 132kV | 12/01/2020 20:00:00 | 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.021 | 0.000000 |
| Ozar 132kV | 12/01/2020 20:15:00 | 82 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.018 | 0.000000 |
| Ozar 132kV | 12/01/2020 20:30:00 | 83 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.354 | 0.000000 |
| Ozar 132kV | 12/01/2020 20:45:00 | 84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.614 | 0.000000 |
| Ozar 132kV | 12/01/2020 21:00:00 | 85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.350 | 0.000000 |
| Ozar 132kV | 12/01/2020 21:15:00 | 86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.686 | 0.000000 |
| Ozar 132kV | 12/01/2020 21:30:00 | 87 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.614 | 0.000000 |
| Ozar 132kV | 12/01/2020 21:45:00 | 88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Ozar 132kV | 12/01/2020 22:00:00 | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.354 | 0.000000 |
| Ozar 132kV | 12/01/2020 22:15:00 | 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.350 | 0.000000 |
| Ozar 132kV | 12/01/2020 22:30:00 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.215 | 0.000000 |
| Ozar 132kV | 12/01/2020 22:45:00 | 92 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Ozar 132kV | 12/01/2020 23:00:00 | 93 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ozar 132kV | 12/01/2020 23:15:00 | 94 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Ozar 132kV | 12/01/2020 23:30:00 | 95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Ozar 132kV | 12/01/2020 23:45:00 | 96 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Pathri 132kV | 06/01/2020 00:00:00 | 1 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.903 | 0.000000 |
| Pathri 132kV | 06/01/2020 00:15:00 | 2 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Pathri 132kV | 06/01/2020 00:30:00 | 3 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Pathri 132kV | 06/01/2020 00:45:00 | 4 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.984 | 0.000000 |
| Pathri 132kV | 06/01/2020 01:00:00 | 5 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.541 | 0.000000 |
| Pathri 132kV | 06/01/2020 01:15:00 | 6 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |
| Pathri 132kV | 06/01/2020 01:30:00 | 7 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.541 | 0.000000 |
| Pathri 132kV | 06/01/2020 01:45:00 | 8 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.352 | 0.000000 |
| Pathri 132kV | 06/01/2020 02:00:00 | 9 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.747 | 0.000000 |
| Pathri 132kV | 06/01/2020 02:15:00 | 10 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.581 | 0.000000 |
| Pathri 132kV | 06/01/2020 02:30:00 | 11 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.323 | 0.000000 |
| Pathri 132kV | 06/01/2020 02:45:00 | 12 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Pathri 132kV | 06/01/2020 03:00:00 | 13 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Pathri 132kV | 06/01/2020 03:15:00 | 14 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.742 | 0.000000 |
| Pathri 132kV | 06/01/2020 03:30:00 | 15 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |
| Pathri 132kV | 06/01/2020 03:45:00 | 16 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.541 | 0.000000 |
| Pathri 132kV | 06/01/2020 04:00:00 | 17 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.496 | 0.000000 |
| Pathri 132kV | 06/01/2020 04:15:00 | 18 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Pathri 132kV | 06/01/2020 04:30:00 | 19 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.859 | 0.000000 |
| Pathri 132kV | 06/01/2020 04:45:00 | 20 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.815 | 0.000000 |
| Pathri 132kV | 06/01/2020 05:00:00 | 21 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.859 | 0.000000 |
| Pathri 132kV | 06/01/2020 05:15:00 | 22 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.407 | 0.000000 |
| Pathri 132kV | 06/01/2020 05:30:00 | 23 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.496 | 0.000000 |
| Pathri 132kV | 06/01/2020 05:45:00 | 24 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.492 | 0.000000 |
| Pathri 132kV | 06/01/2020 06:00:00 | 25 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.452 | 0.000000 |
| Pathri 132kV | 06/01/2020 06:15:00 | 26 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -6.089 | 0.000000 |
| Pathri 132kV | 06/01/2020 06:30:00 | 27 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -7.044 | 0.000000 |
| Pathri 132kV | 06/01/2020 06:45:00 | 28 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.682 | 0.000000 |
| Pathri 132kV | 06/01/2020 07:00:00 | 29 | 5000.0 | 57.5 | 0.0 | -57.5 | 1.15 | 0.00 | -3.859 | 0.000000 |
| Pathri 132kV | 06/01/2020 07:15:00 | 30 | 5000.0 | 162.5 | 0.0 | -162.5 | 3.25 | 0.00 | 4.815 | 80.684224 |
| Pathri 132kV | 06/01/2020 07:30:00 | 31 | 5000.0 | 317.5 | 0.0 | -317.5 | 6.35 | 0.00 | 4.178 | 0.000000 |
| Pathri 132kV | 06/01/2020 07:45:00 | 32 | 5000.0 | 515.0 | 0.0 | -515.0 | 10.3 | 0.00 | -3.540 | 0.000000 |
| Pathri 132kV | 06/01/2020 08:00:00 | 33 | 5000.0 | 752.5 | 0.0 | -752.5 | 15.05 | 1.25 | -3.859 | 0.000000 |
| Pathri 132kV | 06/01/2020 08:15:00 | 34 | 5000.0 | 975.0 | 0.0 | -975.0 | 19.5 | 112.50 | -5.452 | 0.000000 |
| Pathri 132kV | 06/01/2020 08:30:00 | 35 | 5000.0 | 1255.0 | 0.0 | -1255.0 | 25.1 | 255.00 | 4.178 | 0.000000 |
| Pathri 132kV | 06/01/2020 08:45:00 | 36 | 5000.0 | 1542.5 | 0.0 | -1542.5 | 30.85 | 542.50 | -3.859 | 0.000000 |
| Pathri 132kV | 06/01/2020 09:00:00 | 37 | 5000.0 | 1785.0 | 0.0 | -1785.0 | 35.7 | 802.50 | -6.407 | 0.000000 |
| Pathri 132kV | 06/01/2020 09:15:00 | 38 | 5000.0 | 2100.0 | 0.0 | -2100.0 | 42.0 | 1275.00 | -8.000 | 0.000000 |
| Pathri 132kV | 06/01/2020 09:30:00 | 39 | 5000.0 | 2337.5 | 0.0 | -2337.5 | 46.75 | 1631.25 | -5.770 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Pathri 132kV | 06/01/2020 09:45:00 | 40 | 5000.0 | 2587.5 | 0.0 | -2587.5 | 51.75 | 2006.25 | 3.222 | 0.000000 |
| Pathri 132kV | 06/01/2020 10:00:00 | 41 | 5000.0 | 2785.0 | 0.0 | -2785.0 | 55.7 | 2302.50 | -2.903 | 0.000000 |
| Pathri 132kV | 06/01/2020 10:15:00 | 42 | 5000.0 | 2962.5 | 0.0 | -2962.5 | 59.25 | 2568.75 | -3.222 | 0.000000 |
| Pathri 132kV | 06/01/2020 10:30:00 | 43 | 5000.0 | 3142.5 | 0.0 | -3142.5 | 62.85 | 2838.75 | 4.815 | 0.000000 |
| Pathri 132kV | 06/01/2020 10:45:00 | 44 | 5000.0 | 3247.5 | 0.0 | -3247.5 | 64.95 | 2996.25 | 4.496 | 0.000000 |
| Pathri 132kV | 06/01/2020 11:00:00 | 45 | 5000.0 | 3377.5 | 0.0 | -3377.5 | 67.55 | 3191.25 | 16.000 | 0.000000 |
| Pathri 132kV | 06/01/2020 11:15:00 | 46 | 5000.0 | 3535.0 | 0.0 | -3535.0 | 70.7 | 3427.50 | 5.133 | 0.000000 |
| Pathri 132kV | 06/01/2020 11:30:00 | 47 | 5000.0 | 3557.5 | 0.0 | -3557.5 | 71.15 | 3461.25 | 1.182 | 0.000000 |
| Pathri 132kV | 06/01/2020 11:45:00 | 48 | 5000.0 | 3585.0 | 0.0 | -3585.0 | 71.7 | 3502.50 | 6.308 | 0.000000 |
| Pathri 132kV | 06/01/2020 12:00:00 | 49 | 5000.0 | 3635.0 | 0.0 | -3635.0 | 72.7 | 3577.50 | 6.598 | 0.000000 |
| Pathri 132kV | 06/01/2020 12:15:00 | 50 | 5000.0 | 3680.0 | 0.0 | -3680.0 | 73.6 | 3645.00 | 5.431 | 0.000000 |
| Pathri 132kV | 06/01/2020 12:30:00 | 51 | 5000.0 | 3665.0 | 0.0 | -3665.0 | 73.3 | 3622.50 | 3.540 | 0.000000 |
| Pathri 132kV | 06/01/2020 12:45:00 | 52 | 5000.0 | 3605.0 | 0.0 | -3605.0 | 72.1 | 3532.50 | -2.903 | 0.000000 |
| Pathri 132kV | 06/01/2020 13:00:00 | 53 | 5000.0 | 3557.5 | 0.0 | -3557.5 | 71.15 | 3461.25 | -1.161 | 0.000000 |
| Pathri 132kV | 06/01/2020 13:15:00 | 54 | 5000.0 | 3442.5 | 0.0 | -3442.5 | 68.85 | 3288.75 | 3.859 | 0.000000 |
| Pathri 132kV | 06/01/2020 13:30:00 | 55 | 5000.0 | 3297.5 | 0.0 | -3297.5 | 65.95 | 3071.25 | -6.407 | 0.000000 |
| Pathri 132kV | 06/01/2020 13:45:00 | 56 | 5000.0 | 3282.5 | 0.0 | -3282.5 | 65.65 | 3048.75 | 5.452 | 0.000000 |
| Pathri 132kV | 06/01/2020 14:00:00 | 57 | 5000.0 | 3140.0 | 0.0 | -3140.0 | 62.8 | 2835.00 | 5.452 | 0.000000 |
| Pathri 132kV | 06/01/2020 14:15:00 | 58 | 5000.0 | 3005.0 | 0.0 | -3005.0 | 60.1 | 2632.50 | 16.000 | 0.000000 |
| Pathri 132kV | 06/01/2020 14:30:00 | 59 | 5000.0 | 2600.0 | 0.0 | -2600.0 | 52.0 | 2025.00 | 6.035 | 0.000000 |
| Pathri 132kV | 06/01/2020 14:45:00 | 60 | 5000.0 | 2522.5 | 0.0 | -2522.5 | 50.45 | 1908.75 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Pathri 132kV | 06/01/2020 15:00:00 | 61 | 5000.0 | 2457.5 | 0.0 | -2457.5 | 49.15 | 1811.25 | 3.367 | 0.000000 |
| Pathri 132kV | 06/01/2020 15:15:00 | 62 | 5000.0 | 1957.5 | 0.0 | -1957.5 | 39.15 | 1061.25 | 3.904 | 0.000000 |
| Pathri 132kV | 06/01/2020 15:30:00 | 63 | 5000.0 | 1932.5 | 0.0 | -1932.5 | 38.65 | 1023.75 | 4.482 | 0.000000 |
| Pathri 132kV | 06/01/2020 15:45:00 | 64 | 5000.0 | 1430.0 | 0.0 | -1430.0 | 28.6 | 430.00 | 4.225 | 0.000000 |
| Pathri 132kV | 06/01/2020 16:00:00 | 65 | 5000.0 | 1420.0 | 0.0 | -1420.0 | 28.4 | 420.00 | 2.895 | 0.000000 |
| Pathri 132kV | 06/01/2020 16:15:00 | 66 | 5000.0 | 935.0 | 0.0 | -935.0 | 18.7 | 92.50 | 6.089 | 0.000000 |
| Pathri 132kV | 06/01/2020 16:30:00 | 67 | 5000.0 | 757.5 | 0.0 | -757.5 | 15.15 | 3.75 | -8.000 | 0.000000 |
| Pathri 132kV | 06/01/2020 16:45:00 | 68 | 5000.0 | 457.5 | 0.0 | -457.5 | 9.15 | 0.00 | -4.178 | 0.000000 |
| Pathri 132kV | 06/01/2020 17:00:00 | 69 | 5000.0 | 282.5 | 0.0 | -282.5 | 5.65 | 0.00 | 1.742 | 0.000000 |
| Pathri 132kV | 06/01/2020 17:15:00 | 70 | 5000.0 | 150.0 | 0.0 | -150.0 | 3.0 | 0.00 | 2.903 | 0.000000 |
| Pathri 132kV | 06/01/2020 17:30:00 | 71 | 5000.0 | 47.5 | 0.0 | -47.5 | 0.95 | 0.00 | -4.178 | 0.000000 |
| Pathri 132kV | 06/01/2020 17:45:00 | 72 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.323 | 0.000000 |
| Pathri 132kV | 06/01/2020 18:00:00 | 73 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.903 | 0.000000 |
| Pathri 132kV | 06/01/2020 18:15:00 | 74 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.161 | 0.000000 |
| Pathri 132kV | 06/01/2020 18:30:00 | 75 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.903 | 0.000000 |
| Pathri 132kV | 06/01/2020 18:45:00 | 76 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.903 | 0.000000 |
| Pathri 132kV | 06/01/2020 19:00:00 | 77 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.161 | 0.000000 |
| Pathri 132kV | 06/01/2020 19:15:00 | 78 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.178 | 0.000000 |
| Pathri 132kV | 06/01/2020 19:30:00 | 79 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.323 | 0.000000 |
| Pathri 132kV | 06/01/2020 19:45:00 | 80 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.178 | 0.000000 |
| Pathri 132kV | 06/01/2020 20:00:00 | 81 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Pathri 132kV | 06/01/2020 20:15:00 | 82 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.770 | 0.000000 |
| Pathri 132kV | 06/01/2020 20:30:00 | 83 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.770 | 0.000000 |
| Pathri 132kV | 06/01/2020 20:45:00 | 84 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.178 | 0.000000 |
| Pathri 132kV | 06/01/2020 21:00:00 | 85 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |
| Pathri 132kV | 06/01/2020 21:15:00 | 86 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.742 | 0.000000 |
| Pathri 132kV | 06/01/2020 21:30:00 | 87 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Pathri 132kV | 06/01/2020 21:45:00 | 88 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.161 | 0.000000 |
| Pathri 132kV | 06/01/2020 22:00:00 | 89 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.815 | 0.000000 |
| Pathri 132kV | 06/01/2020 22:15:00 | 90 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.859 | 0.000000 |
| Pathri 132kV | 06/01/2020 22:30:00 | 91 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.742 | 0.000000 |
| Pathri 132kV | 06/01/2020 22:45:00 | 92 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.323 | 0.000000 |
| Pathri 132kV | 06/01/2020 23:00:00 | 93 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.903 | 0.000000 |
| Pathri 132kV | 06/01/2020 23:15:00 | 94 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Pathri 132kV | 06/01/2020 23:30:00 | 95 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.222 | 0.000000 |
| Pathri 132kV | 06/01/2020 23:45:00 | 96 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Pathri 132kV | 07/01/2020 00:00:00 | 1 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.549 | 0.000000 |
| Pathri 132kV | 07/01/2020 00:15:00 | 2 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.647 | 0.000000 |
| Pathri 132kV | 07/01/2020 00:30:00 | 3 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.073 | 0.000000 |
| Pathri 132kV | 07/01/2020 00:45:00 | 4 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.744 | 0.000000 |
| Pathri 132kV | 07/01/2020 01:00:00 | 5 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |
| Pathri 132kV | 07/01/2020 01:15:00 | 6 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Pathri 132kV | 07/01/2020 01:30:00 | 7 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Pathri 132kV | 07/01/2020 01:45:00 | 8 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Pathri 132kV | 07/01/2020 02:00:00 | 9 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.073 | 0.000000 |
| Pathri 132kV | 07/01/2020 02:15:00 | 10 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.073 | 0.000000 |
| Pathri 132kV | 07/01/2020 02:30:00 | 11 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.401 | 0.000000 |
| Pathri 132kV | 07/01/2020 02:45:00 | 12 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.745 | 0.000000 |
| Pathri 132kV | 07/01/2020 03:00:00 | 13 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Pathri 132kV | 07/01/2020 03:15:00 | 14 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.196 | 0.000000 |
| Pathri 132kV | 07/01/2020 03:30:00 | 15 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Pathri 132kV | 07/01/2020 03:45:00 | 16 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.098 | 0.000000 |
| Pathri 132kV | 07/01/2020 04:00:00 | 17 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Pathri 132kV | 07/01/2020 04:15:00 | 18 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.210 | 0.000000 |
| Pathri 132kV | 07/01/2020 04:30:00 | 19 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Pathri 132kV | 07/01/2020 04:45:00 | 20 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.098 | 0.000000 |
| Pathri 132kV | 07/01/2020 05:00:00 | 21 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.744 | 0.000000 |
| Pathri 132kV | 07/01/2020 05:15:00 | 22 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Pathri 132kV | 07/01/2020 05:30:00 | 23 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.073 | 0.000000 |
| Pathri 132kV | 07/01/2020 05:45:00 | 24 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Pathri 132kV | 07/01/2020 06:00:00 | 25 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.372 | 0.000000 |
| Pathri 132kV | 07/01/2020 06:15:00 | 26 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.556 | 0.000000 |
| Pathri 132kV | 07/01/2020 06:30:00 | 27 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.148 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Pathri 132kV | 07/01/2020 06:45:00 | 28 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.821 | 0.000000 |
| Pathri 132kV | 07/01/2020 07:00:00 | 29 | 5000.0 | 57.5 | 0.0 | -57.5 | 1.15 | 0.00 | 5.372 | 152.803140 |
| Pathri 132kV | 07/01/2020 07:15:00 | 30 | 5000.0 | 162.5 | 0.0 | -162.5 | 3.25 | 0.00 | 16.000 | 0.000000 |
| Pathri 132kV | 07/01/2020 07:30:00 | 31 | 5000.0 | 317.5 | 0.0 | -317.5 | 6.35 | 0.00 | 9.296 | 0.000000 |
| Pathri 132kV | 07/01/2020 07:45:00 | 32 | 5000.0 | 515.0 | 0.0 | -515.0 | 10.3 | 0.00 | 9.794 | 0.000000 |
| Pathri 132kV | 07/01/2020 08:00:00 | 33 | 5000.0 | 727.5 | 0.0 | -727.5 | 14.55 | 0.00 | 3.593 | 0.000000 |
| Pathri 132kV | 07/01/2020 08:15:00 | 34 | 5000.0 | 947.5 | 0.0 | -947.5 | 18.95 | 98.75 | 3.401 | 0.000000 |
| Pathri 132kV | 07/01/2020 08:30:00 | 35 | 5000.0 | 1125.0 | 0.0 | -1125.0 | 22.5 | 187.50 | 3.245 | 0.000000 |
| Pathri 132kV | 07/01/2020 08:45:00 | 36 | 5000.0 | 1305.0 | 0.0 | -1305.0 | 26.1 | 305.00 | 0.000 | 0.000000 |
| Pathri 132kV | 07/01/2020 09:00:00 | 37 | 5000.0 | 1475.0 | 0.0 | -1475.0 | 29.5 | 475.00 | 2.745 | 0.000000 |
| Pathri 132kV | 07/01/2020 09:15:00 | 38 | 5000.0 | 1715.0 | 0.0 | -1715.0 | 34.3 | 715.00 | 4.715 | 0.000000 |
| Pathri 132kV | 07/01/2020 09:30:00 | 39 | 5000.0 | 1977.5 | 0.0 | -1977.5 | 39.55 | 1091.25 | 3.981 | 0.000000 |
| Pathri 132kV | 07/01/2020 09:45:00 | 40 | 5000.0 | 2157.5 | 0.0 | -2157.5 | 43.15 | 1361.25 | 3.730 | 0.000000 |
| Pathri 132kV | 07/01/2020 10:00:00 | 41 | 5000.0 | 2452.5 | 0.0 | -2452.5 | 49.05 | 1803.75 | 1.780 | 0.000000 |
| Pathri 132kV | 07/01/2020 10:15:00 | 42 | 5000.0 | 2642.5 | 0.0 | -2642.5 | 52.85 | 2088.75 | 5.643 | 0.000000 |
| Pathri 132kV | 07/01/2020 10:30:00 | 43 | 5000.0 | 2742.5 | 0.0 | -2742.5 | 54.85 | 2238.75 | 4.976 | 0.000000 |
| Pathri 132kV | 07/01/2020 10:45:00 | 44 | 5000.0 | 2910.0 | 0.0 | -2910.0 | 58.2 | 2490.00 | 4.415 | 0.000000 |
| Pathri 132kV | 07/01/2020 11:00:00 | 45 | 5000.0 | 3112.5 | 0.0 | -3112.5 | 62.25 | 2793.75 | 4.476 | 0.000000 |
| Pathri 132kV | 07/01/2020 11:15:00 | 46 | 5000.0 | 3300.0 | 0.0 | -3300.0 | 66.0 | 3075.00 | 4.826 | 0.000000 |
| Pathri 132kV | 07/01/2020 11:30:00 | 47 | 5000.0 | 3557.5 | 0.0 | -3557.5 | 71.15 | 3461.25 | 2.289 | 0.000000 |
| Pathri 132kV | 07/01/2020 11:45:00 | 48 | 5000.0 | 3585.0 | 0.0 | -3585.0 | 71.7 | 3502.50 | -0.549 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Pathri 132kV | 07/01/2020 12:00:00 | 49 | 5000.0 | 3635.0 | 0.0 | -3635.0 | 72.7 | 3577.50 | 4.727 | 0.000000 |
| Pathri 132kV | 07/01/2020 12:15:00 | 50 | 5000.0 | 3475.0 | 0.0 | -3475.0 | 69.5 | 3337.50 | 4.777 | 0.000000 |
| Pathri 132kV | 07/01/2020 12:30:00 | 51 | 5000.0 | 3252.5 | 0.0 | -3252.5 | 65.05 | 3003.75 | 4.798 | 0.000000 |
| Pathri 132kV | 07/01/2020 12:45:00 | 52 | 5000.0 | 3477.5 | 0.0 | -3477.5 | 69.55 | 3341.25 | -3.401 | 0.000000 |
| Pathri 132kV | 07/01/2020 13:00:00 | 53 | 5000.0 | 3400.0 | 0.0 | -3400.0 | 68.0 | 3225.00 | -2.431 | 0.000000 |
| Pathri 132kV | 07/01/2020 13:15:00 | 54 | 5000.0 | 3372.5 | 0.0 | -3372.5 | 67.45 | 3183.75 | -4.387 | 0.000000 |
| Pathri 132kV | 07/01/2020 13:30:00 | 55 | 5000.0 | 3297.5 | 0.0 | -3297.5 | 65.95 | 3071.25 | -3.401 | 0.000000 |
| Pathri 132kV | 07/01/2020 13:45:00 | 56 | 5000.0 | 3282.5 | 0.0 | -3282.5 | 65.65 | 3048.75 | -5.044 | 0.000000 |
| Pathri 132kV | 07/01/2020 14:00:00 | 57 | 5000.0 | 3140.0 | 0.0 | -3140.0 | 62.8 | 2835.00 | 4.215 | 0.000000 |
| Pathri 132kV | 07/01/2020 14:15:00 | 58 | 5000.0 | 3005.0 | 0.0 | -3005.0 | 60.1 | 2632.50 | 9.552 | 0.000000 |
| Pathri 132kV | 07/01/2020 14:30:00 | 59 | 5000.0 | 2600.0 | 0.0 | -2600.0 | 52.0 | 2025.00 | 6.358 | 0.000000 |
| Pathri 132kV | 07/01/2020 14:45:00 | 60 | 5000.0 | 2505.0 | 0.0 | -2505.0 | 50.1 | 1882.50 | 2.744 | 0.000000 |
| Pathri 132kV | 07/01/2020 15:00:00 | 61 | 5000.0 | 2417.5 | 0.0 | -2417.5 | 48.35 | 1751.25 | -3.073 | 0.000000 |
| Pathri 132kV | 07/01/2020 15:15:00 | 62 | 5000.0 | 1957.5 | 0.0 | -1957.5 | 39.15 | 1061.25 | -4.058 | 0.000000 |
| Pathri 132kV | 07/01/2020 15:30:00 | 63 | 5000.0 | 1920.0 | 0.0 | -1920.0 | 38.4 | 1005.00 | -4.831 | 0.000000 |
| Pathri 132kV | 07/01/2020 15:45:00 | 64 | 5000.0 | 1430.0 | 0.0 | -1430.0 | 28.6 | 430.00 | -5.372 | 0.000000 |
| Pathri 132kV | 07/01/2020 16:00:00 | 65 | 5000.0 | 1317.5 | 0.0 | -1317.5 | 26.35 | 317.50 | 2.196 | 0.000000 |
| Pathri 132kV | 07/01/2020 16:15:00 | 66 | 5000.0 | 935.0 | 0.0 | -935.0 | 18.7 | 92.50 | -3.401 | 0.000000 |
| Pathri 132kV | 07/01/2020 16:30:00 | 67 | 5000.0 | 697.5 | 0.0 | -697.5 | 13.95 | 0.00 | 4.738 | 0.000000 |
| Pathri 132kV | 07/01/2020 16:45:00 | 68 | 5000.0 | 457.5 | 0.0 | -457.5 | 9.15 | 0.00 | 7.343 | 0.000000 |
| Pathri 132kV | 07/01/2020 17:00:00 | 69 | 5000.0 | 282.5 | 0.0 | -282.5 | 5.65 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Pathri 132kV | 07/01/2020 17:15:00 | 70 | 5000.0 | 150.0 | 0.0 | -150.0 | 3.0 | 0.00 | 2.744 | 24.951910 |
| Pathri 132kV | 07/01/2020 17:30:00 | 71 | 5000.0 | 47.5 | 0.0 | -47.5 | 0.95 | 0.00 | 3.401 | 3.136401 |
| Pathri 132kV | 07/01/2020 17:45:00 | 72 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.745 | 0.000000 |
| Pathri 132kV | 07/01/2020 18:00:00 | 73 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.073 | 0.000000 |
| Pathri 132kV | 07/01/2020 18:15:00 | 74 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.372 | 0.000000 |
| Pathri 132kV | 07/01/2020 18:30:00 | 75 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.401 | 0.000000 |
| Pathri 132kV | 07/01/2020 18:45:00 | 76 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Pathri 132kV | 07/01/2020 19:00:00 | 77 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.730 | 0.000000 |
| Pathri 132kV | 07/01/2020 19:15:00 | 78 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.715 | 0.000000 |
| Pathri 132kV | 07/01/2020 19:30:00 | 79 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |
| Pathri 132kV | 07/01/2020 19:45:00 | 80 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.210 | 0.000000 |
| Pathri 132kV | 07/01/2020 20:00:00 | 81 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.348 | 0.000000 |
| Pathri 132kV | 07/01/2020 20:15:00 | 82 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.387 | 0.000000 |
| Pathri 132kV | 07/01/2020 20:30:00 | 83 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.816 | 0.000000 |
| Pathri 132kV | 07/01/2020 20:45:00 | 84 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.401 | 0.000000 |
| Pathri 132kV | 07/01/2020 21:00:00 | 85 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |
| Pathri 132kV | 07/01/2020 21:15:00 | 86 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Pathri 132kV | 07/01/2020 21:30:00 | 87 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.196 | 0.000000 |
| Pathri 132kV | 07/01/2020 21:45:00 | 88 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.196 | 0.000000 |
| Pathri 132kV | 07/01/2020 22:00:00 | 89 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.257 | 0.000000 |
| Pathri 132kV | 07/01/2020 22:15:00 | 90 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Pathri 132kV | 07/01/2020 22:30:00 | 91 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.098 | 0.000000 |
| Pathri 132kV | 07/01/2020 22:45:00 | 92 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.647 | 0.000000 |
| Pathri 132kV | 07/01/2020 23:00:00 | 93 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Pathri 132kV | 07/01/2020 23:15:00 | 94 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Pathri 132kV | 07/01/2020 23:30:00 | 95 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.196 | 0.000000 |
| Pathri 132kV | 07/01/2020 23:45:00 | 96 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.549 | 0.000000 |
| Pathri 132kV | 08/01/2020 00:00:00 | 1 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Pathri 132kV | 08/01/2020 00:15:00 | 2 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Pathri 132kV | 08/01/2020 00:30:00 | 3 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Pathri 132kV | 08/01/2020 00:45:00 | 4 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.424 | 0.000000 |
| Pathri 132kV | 08/01/2020 01:00:00 | 5 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.170 | 0.000000 |
| Pathri 132kV | 08/01/2020 01:15:00 | 6 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.761 | 0.000000 |
| Pathri 132kV | 08/01/2020 01:30:00 | 7 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.665 | 0.000000 |
| Pathri 132kV | 08/01/2020 01:45:00 | 8 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.665 | 0.000000 |
| Pathri 132kV | 08/01/2020 02:00:00 | 9 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Pathri 132kV | 08/01/2020 02:15:00 | 10 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.347 | 0.000000 |
| Pathri 132kV | 08/01/2020 02:30:00 | 11 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Pathri 132kV | 08/01/2020 02:45:00 | 12 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Pathri 132kV | 08/01/2020 03:00:00 | 13 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.428 | 0.000000 |
| Pathri 132kV | 08/01/2020 03:15:00 | 14 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Pathri 132kV | 08/01/2020 03:30:00 | 15 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Pathri 132kV | 08/01/2020 03:45:00 | 16 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Pathri 132kV | 08/01/2020 04:00:00 | 17 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Pathri 132kV | 08/01/2020 04:15:00 | 18 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.665 | 0.000000 |
| Pathri 132kV | 08/01/2020 04:30:00 | 19 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Pathri 132kV | 08/01/2020 04:45:00 | 20 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Pathri 132kV | 08/01/2020 05:00:00 | 21 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Pathri 132kV | 08/01/2020 05:15:00 | 22 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Pathri 132kV | 08/01/2020 05:30:00 | 23 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.428 | 0.000000 |
| Pathri 132kV | 08/01/2020 05:45:00 | 24 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Pathri 132kV | 08/01/2020 06:00:00 | 25 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Pathri 132kV | 08/01/2020 06:15:00 | 26 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.220 | 0.000000 |
| Pathri 132kV | 08/01/2020 06:30:00 | 27 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.387 | 0.000000 |
| Pathri 132kV | 08/01/2020 06:45:00 | 28 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.734 | 0.000000 |
| Pathri 132kV | 08/01/2020 07:00:00 | 29 | 5000.0 | 57.5 | 0.0 | -57.5 | 1.15 | 0.00 | -4.407 | 0.000000 |
| Pathri 132kV | 08/01/2020 07:15:00 | 30 | 5000.0 | 162.5 | 0.0 | -162.5 | 3.25 | 0.00 | 5.061 | 286.419873 |
| Pathri 132kV | 08/01/2020 07:30:00 | 31 | 5000.0 | 317.5 | 0.0 | -317.5 | 6.35 | 0.00 | 5.714 | 535.463928 |
| Pathri 132kV | 08/01/2020 07:45:00 | 32 | 5000.0 | 515.0 | 0.0 | -515.0 | 10.3 | 0.00 | 5.061 | 341.462756 |
| Pathri 132kV | 08/01/2020 08:00:00 | 33 | 5000.0 | 727.5 | 0.0 | -727.5 | 14.55 | 0.00 | 2.775 | 0.000000 |
| Pathri 132kV | 08/01/2020 08:15:00 | 34 | 5000.0 | 947.5 | 0.0 | -947.5 | 18.95 | 98.75 | 2.775 | 0.000000 |
| Pathri 132kV | 08/01/2020 08:30:00 | 35 | 5000.0 | 1125.0 | 0.0 | -1125.0 | 22.5 | 187.50 | 5.387 | 0.000000 |
| Pathri 132kV | 08/01/2020 08:45:00 | 36 | 5000.0 | 1305.0 | 0.0 | -1305.0 | 26.1 | 305.00 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Pathri 132kV | 08/01/2020 09:00:00 | 37 | 5000.0 | 1475.0 | 0.0 | -1475.0 | 29.5 | 475.00 | 7.673 | 0.000000 |
| Pathri 132kV | 08/01/2020 09:15:00 | 38 | 5000.0 | 1715.0 | 0.0 | -1715.0 | 34.3 | 715.00 | 7.673 | 0.000000 |
| Pathri 132kV | 08/01/2020 09:30:00 | 39 | 5000.0 | 1977.5 | 0.0 | -1977.5 | 39.55 | 1091.25 | 3.101 | 0.000000 |
| Pathri 132kV | 08/01/2020 09:45:00 | 40 | 5000.0 | 2157.5 | 0.0 | -2157.5 | 43.15 | 1361.25 | -3.101 | 0.000000 |
| Pathri 132kV | 08/01/2020 10:00:00 | 41 | 5000.0 | 2452.5 | 0.0 | -2452.5 | 49.05 | 1803.75 | -3.101 | 0.000000 |
| Pathri 132kV | 08/01/2020 10:15:00 | 42 | 5000.0 | 2642.5 | 0.0 | -2642.5 | 52.85 | 2088.75 | -3.101 | 0.000000 |
| Pathri 132kV | 08/01/2020 10:30:00 | 43 | 5000.0 | 2742.5 | 0.0 | -2742.5 | 54.85 | 2238.75 | -1.665 | 0.000000 |
| Pathri 132kV | 08/01/2020 10:45:00 | 44 | 5000.0 | 2910.0 | 0.0 | -2910.0 | 58.2 | 2490.00 | 0.000 | 0.000000 |
| Pathri 132kV | 08/01/2020 11:00:00 | 45 | 5000.0 | 3112.5 | 0.0 | -3112.5 | 62.25 | 2793.75 | -1.486 | 0.000000 |
| Pathri 132kV | 08/01/2020 11:15:00 | 46 | 5000.0 | 3300.0 | 0.0 | -3300.0 | 66.0 | 3075.00 | -1.305 | 0.000000 |
| Pathri 132kV | 08/01/2020 11:30:00 | 47 | 5000.0 | 3557.5 | 0.0 | -3557.5 | 71.15 | 3461.25 | -2.425 | 0.000000 |
| Pathri 132kV | 08/01/2020 11:45:00 | 48 | 5000.0 | 3585.0 | 0.0 | -3585.0 | 71.7 | 3502.50 | -2.775 | 0.000000 |
| Pathri 132kV | 08/01/2020 12:00:00 | 49 | 5000.0 | 3635.0 | 0.0 | -3635.0 | 72.7 | 3577.50 | -2.083 | 0.000000 |
| Pathri 132kV | 08/01/2020 12:15:00 | 50 | 5000.0 | 3475.0 | 0.0 | -3475.0 | 69.5 | 3337.50 | -3.242 | 0.000000 |
| Pathri 132kV | 08/01/2020 12:30:00 | 51 | 5000.0 | 3252.5 | 0.0 | -3252.5 | 65.05 | 3003.75 | -1.330 | 0.000000 |
| Pathri 132kV | 08/01/2020 12:45:00 | 52 | 5000.0 | 3477.5 | 0.0 | -3477.5 | 69.55 | 3341.25 | -0.830 | 0.000000 |
| Pathri 132kV | 08/01/2020 13:00:00 | 53 | 5000.0 | 2947.5 | 0.0 | -2947.5 | 58.95 | 2546.25 | 2.775 | 0.000000 |
| Pathri 132kV | 08/01/2020 13:15:00 | 54 | 5000.0 | 3022.5 | 0.0 | -3022.5 | 60.45 | 2658.75 | 0.000 | 0.000000 |
| Pathri 132kV | 08/01/2020 13:30:00 | 55 | 5000.0 | 3102.5 | 0.0 | -3102.5 | 62.05 | 2778.75 | -1.012 | 0.000000 |
| Pathri 132kV | 08/01/2020 13:45:00 | 56 | 5000.0 | 2872.5 | 0.0 | -2872.5 | 57.45 | 2433.75 | -1.087 | 0.000000 |
| Pathri 132kV | 08/01/2020 14:00:00 | 57 | 5000.0 | 2822.5 | 0.0 | -2822.5 | 56.45 | 2358.75 | -3.101 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Pathri 132kV | 08/01/2020 14:15:00 | 58 | 5000.0 | 2680.0 | 0.0 | -2680.0 | 53.6 | 2145.00 | -4.081 | 0.000000 |
| Pathri 132kV | 08/01/2020 14:30:00 | 59 | 5000.0 | 2370.0 | 0.0 | -2370.0 | 47.4 | 1680.00 | -2.996 | 0.000000 |
| Pathri 132kV | 08/01/2020 14:45:00 | 60 | 5000.0 | 2017.5 | 0.0 | -2017.5 | 40.35 | 1151.25 | -3.101 | 0.000000 |
| Pathri 132kV | 08/01/2020 15:00:00 | 61 | 5000.0 | 1932.5 | 0.0 | -1932.5 | 38.65 | 1023.75 | -1.879 | 0.000000 |
| Pathri 132kV | 08/01/2020 15:15:00 | 62 | 5000.0 | 1462.5 | 0.0 | -1462.5 | 29.25 | 462.50 | -4.081 | 0.000000 |
| Pathri 132kV | 08/01/2020 15:30:00 | 63 | 5000.0 | 1695.0 | 0.0 | -1695.0 | 33.9 | 695.00 | 4.938 | 0.000000 |
| Pathri 132kV | 08/01/2020 15:45:00 | 64 | 5000.0 | 1307.5 | 0.0 | -1307.5 | 26.15 | 307.50 | 4.719 | 0.000000 |
| Pathri 132kV | 08/01/2020 16:00:00 | 65 | 5000.0 | 1117.5 | 0.0 | -1117.5 | 22.35 | 183.75 | 0.555 | 0.000000 |
| Pathri 132kV | 08/01/2020 16:15:00 | 66 | 5000.0 | 757.5 | 0.0 | -757.5 | 15.15 | 3.75 | -4.081 | 0.000000 |
| Pathri 132kV | 08/01/2020 16:30:00 | 67 | 5000.0 | 540.0 | 0.0 | -540.0 | 10.8 | 0.00 | -3.754 | 0.000000 |
| Pathri 132kV | 08/01/2020 16:45:00 | 68 | 5000.0 | 455.0 | 0.0 | -455.0 | 9.1 | 0.00 | -8.000 | 0.000000 |
| Pathri 132kV | 08/01/2020 17:00:00 | 69 | 5000.0 | 245.0 | 0.0 | -245.0 | 4.9 | 0.00 | 0.000 | 0.000000 |
| Pathri 132kV | 08/01/2020 17:15:00 | 70 | 5000.0 | 147.5 | 0.0 | -147.5 | 2.95 | 0.00 | 4.081 | 28.294237 |
| Pathri 132kV | 08/01/2020 17:30:00 | 71 | 5000.0 | 35.0 | 0.0 | -35.0 | 0.7 | 0.00 | -5.387 | 0.000000 |
| Pathri 132kV | 08/01/2020 17:45:00 | 72 | 5000.0 | 40.0 | 0.0 | -40.0 | 0.8 | 0.00 | -3.101 | 0.000000 |
| Pathri 132kV | 08/01/2020 18:00:00 | 73 | 5000.0 | 12.5 | 0.0 | -12.5 | 0.25 | 0.00 | -2.775 | 0.000000 |
| Pathri 132kV | 08/01/2020 18:15:00 | 74 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Pathri 132kV | 08/01/2020 18:30:00 | 75 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Pathri 132kV | 08/01/2020 18:45:00 | 76 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.220 | 0.000000 |
| Pathri 132kV | 08/01/2020 19:00:00 | 77 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Pathri 132kV | 08/01/2020 19:15:00 | 78 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Pathri 132kV | 08/01/2020 19:30:00 | 79 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Pathri 132kV | 08/01/2020 19:45:00 | 80 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.555 | 0.000000 |
| Pathri 132kV | 08/01/2020 20:00:00 | 81 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Pathri 132kV | 08/01/2020 20:15:00 | 82 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.101 | 0.000000 |
| Pathri 132kV | 08/01/2020 20:30:00 | 83 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.408 | 0.000000 |
| Pathri 132kV | 08/01/2020 20:45:00 | 84 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.101 | 0.000000 |
| Pathri 132kV | 08/01/2020 21:00:00 | 85 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.101 | 0.000000 |
| Pathri 132kV | 08/01/2020 21:15:00 | 86 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.555 | 0.000000 |
| Pathri 132kV | 08/01/2020 21:30:00 | 87 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Pathri 132kV | 08/01/2020 21:45:00 | 88 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Pathri 132kV | 08/01/2020 22:00:00 | 89 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.489 | 0.000000 |
| Pathri 132kV | 08/01/2020 22:15:00 | 90 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Pathri 132kV | 08/01/2020 22:30:00 | 91 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.223 | 0.000000 |
| Pathri 132kV | 08/01/2020 22:45:00 | 92 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Pathri 132kV | 08/01/2020 23:00:00 | 93 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Pathri 132kV | 08/01/2020 23:15:00 | 94 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Pathri 132kV | 08/01/2020 23:30:00 | 95 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Pathri 132kV | 08/01/2020 23:45:00 | 96 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Pathri 132kV | 09/01/2020 00:00:00 | 1 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Pathri 132kV | 09/01/2020 00:15:00 | 2 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Pathri 132kV | 09/01/2020 00:30:00 | 3 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Pathri 132kV | 09/01/2020 00:45:00 | 4 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Pathri 132kV | 09/01/2020 01:00:00 | 5 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.519 | 0.000000 |
| Pathri 132kV | 09/01/2020 01:15:00 | 6 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.519 | 0.000000 |
| Pathri 132kV | 09/01/2020 01:30:00 | 7 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.199 | 0.000000 |
| Pathri 132kV | 09/01/2020 01:45:00 | 8 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.519 | 0.000000 |
| Pathri 132kV | 09/01/2020 02:00:00 | 9 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.519 | 0.000000 |
| Pathri 132kV | 09/01/2020 02:15:00 | 10 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.879 | 0.000000 |
| Pathri 132kV | 09/01/2020 02:30:00 | 11 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.199 | 0.000000 |
| Pathri 132kV | 09/01/2020 02:45:00 | 12 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |
| Pathri 132kV | 09/01/2020 03:00:00 | 13 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Pathri 132kV | 09/01/2020 03:15:00 | 14 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.839 | 0.000000 |
| Pathri 132kV | 09/01/2020 03:30:00 | 15 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.199 | 0.000000 |
| Pathri 132kV | 09/01/2020 03:45:00 | 16 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Pathri 132kV | 09/01/2020 04:00:00 | 17 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Pathri 132kV | 09/01/2020 04:15:00 | 18 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Pathri 132kV | 09/01/2020 04:30:00 | 19 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Pathri 132kV | 09/01/2020 04:45:00 | 20 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.879 | 0.000000 |
| Pathri 132kV | 09/01/2020 05:00:00 | 21 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.839 | 0.000000 |
| Pathri 132kV | 09/01/2020 05:15:00 | 22 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.119 | 0.000000 |
| Pathri 132kV | 09/01/2020 05:30:00 | 23 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.064 | 0.000000 |
| Pathri 132kV | 09/01/2020 05:45:00 | 24 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Pathri 132kV | 09/01/2020 06:00:00 | 25 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.303 | 0.000000 |
| Pathri 132kV | 09/01/2020 06:15:00 | 26 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.303 | 0.000000 |
| Pathri 132kV | 09/01/2020 06:30:00 | 27 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.839 | 0.000000 |
| Pathri 132kV | 09/01/2020 06:45:00 | 28 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Pathri 132kV | 09/01/2020 07:00:00 | 29 | 5000.0 | 12.5 | 0.0 | -12.5 | 0.25 | 0.00 | -2.879 | 0.000000 |
| Pathri 132kV | 09/01/2020 07:15:00 | 30 | 5000.0 | 107.5 | 0.0 | -107.5 | 2.15 | 0.00 | 6.400 | 53.481958 |
| Pathri 132kV | 09/01/2020 07:30:00 | 31 | 5000.0 | 237.5 | 0.0 | -237.5 | 4.75 | 0.00 | 1.172 | 0.000000 |
| Pathri 132kV | 09/01/2020 07:45:00 | 32 | 5000.0 | 310.0 | 0.0 | -310.0 | 6.2 | 0.00 | 0.576 | 0.000000 |
| Pathri 132kV | 09/01/2020 08:00:00 | 33 | 5000.0 | 545.0 | 0.0 | -545.0 | 10.9 | 0.00 | -0.576 | 0.000000 |
| Pathri 132kV | 09/01/2020 08:15:00 | 34 | 5000.0 | 690.0 | 0.0 | -690.0 | 13.8 | 0.00 | -1.152 | 0.000000 |
| Pathri 132kV | 09/01/2020 08:30:00 | 35 | 5000.0 | 810.0 | 0.0 | -810.0 | 16.2 | 30.00 | 0.576 | 0.000000 |
| Pathri 132kV | 09/01/2020 08:45:00 | 36 | 5000.0 | 965.0 | 0.0 | -965.0 | 19.3 | 107.50 | 0.000 | 0.000000 |
| Pathri 132kV | 09/01/2020 09:00:00 | 37 | 5000.0 | 1022.5 | 0.0 | -1022.5 | 20.45 | 136.25 | 1.152 | 0.000000 |
| Pathri 132kV | 09/01/2020 09:15:00 | 38 | 5000.0 | 1650.0 | 0.0 | -1650.0 | 33.0 | 650.00 | 1.727 | 0.000000 |
| Pathri 132kV | 09/01/2020 09:30:00 | 39 | 5000.0 | 2192.5 | 0.0 | -2192.5 | 43.85 | 1413.75 | -3.839 | 0.000000 |
| Pathri 132kV | 09/01/2020 09:45:00 | 40 | 5000.0 | 2535.0 | 0.0 | -2535.0 | 50.7 | 1927.50 | -1.152 | 0.000000 |
| Pathri 132kV | 09/01/2020 10:00:00 | 41 | 5000.0 | 3002.5 | 0.0 | -3002.5 | 60.05 | 2628.75 | 0.000 | 0.000000 |
| Pathri 132kV | 09/01/2020 10:15:00 | 42 | 5000.0 | 3090.0 | 0.0 | -3090.0 | 61.8 | 2760.00 | 1.727 | 0.000000 |
| Pathri 132kV | 09/01/2020 10:30:00 | 43 | 5000.0 | 3320.0 | 0.0 | -3320.0 | 66.4 | 3105.00 | 2.303 | 0.000000 |
| Pathri 132kV | 09/01/2020 10:45:00 | 44 | 5000.0 | 3587.5 | 0.0 | -3587.5 | 71.75 | 3506.25 | -1.144 | 0.000000 |
| Pathri 132kV | 09/01/2020 11:00:00 | 45 | 5000.0 | 3715.0 | 0.0 | -3715.0 | 74.3 | 3697.50 | -4.479 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Pathri 132kV | 09/01/2020 11:15:00 | 46 | 5000.0 | 3910.0 | 0.0 | -3910.0 | 78.2 | 3990.00 | -3.519 | 0.000000 |
| Pathri 132kV | 09/01/2020 11:30:00 | 47 | 5000.0 | 3892.5 | 0.0 | -3892.5 | 77.85 | 3963.75 | -2.303 | 0.000000 |
| Pathri 132kV | 09/01/2020 11:45:00 | 48 | 5000.0 | 3900.0 | 0.0 | -3900.0 | 78.0 | 3975.00 | -0.576 | 0.000000 |
| Pathri 132kV | 09/01/2020 12:00:00 | 49 | 5000.0 | 2490.0 | 0.0 | -2490.0 | 49.8 | 1860.00 | 0.000 | 0.000000 |
| Pathri 132kV | 09/01/2020 12:15:00 | 50 | 5000.0 | 2930.0 | 0.0 | -2930.0 | 58.6 | 2520.00 | 3.839 | 0.000000 |
| Pathri 132kV | 09/01/2020 12:30:00 | 51 | 5000.0 | 2390.0 | 0.0 | -2390.0 | 47.8 | 1710.00 | 3.199 | 0.000000 |
| Pathri 132kV | 09/01/2020 12:45:00 | 52 | 5000.0 | 2815.0 | 0.0 | -2815.0 | 56.3 | 2347.50 | 3.199 | 0.000000 |
| Pathri 132kV | 09/01/2020 13:00:00 | 53 | 5000.0 | 2395.0 | 0.0 | -2395.0 | 47.9 | 1717.50 | -1.152 | 0.000000 |
| Pathri 132kV | 09/01/2020 13:15:00 | 54 | 5000.0 | 2652.5 | 0.0 | -2652.5 | 53.05 | 2103.75 | -1.152 | 0.000000 |
| Pathri 132kV | 09/01/2020 13:30:00 | 55 | 5000.0 | 2562.5 | 0.0 | -2562.5 | 51.25 | 1968.75 | 1.727 | 0.000000 |
| Pathri 132kV | 09/01/2020 13:45:00 | 56 | 5000.0 | 2492.5 | 0.0 | -2492.5 | 49.85 | 1863.75 | 3.199 | 0.000000 |
| Pathri 132kV | 09/01/2020 14:00:00 | 57 | 5000.0 | 2570.0 | 0.0 | -2570.0 | 51.4 | 1980.00 | 4.345 | 0.000000 |
| Pathri 132kV | 09/01/2020 14:15:00 | 58 | 5000.0 | 2260.0 | 0.0 | -2260.0 | 45.2 | 1515.00 | 3.941 | 0.000000 |
| Pathri 132kV | 09/01/2020 14:30:00 | 59 | 5000.0 | 2050.0 | 0.0 | -2050.0 | 41.0 | 1200.00 | 1.152 | 0.000000 |
| Pathri 132kV | 09/01/2020 14:45:00 | 60 | 5000.0 | 1835.0 | 0.0 | -1835.0 | 36.7 | 877.50 | -0.576 | 0.000000 |
| Pathri 132kV | 09/01/2020 15:00:00 | 61 | 5000.0 | 1937.5 | 0.0 | -1937.5 | 38.75 | 1031.25 | -1.006 | 0.000000 |
| Pathri 132kV | 09/01/2020 15:15:00 | 62 | 5000.0 | 1697.5 | 0.0 | -1697.5 | 33.95 | 697.50 | 3.199 | 0.000000 |
| Pathri 132kV | 09/01/2020 15:30:00 | 63 | 5000.0 | 1755.0 | 0.0 | -1755.0 | 35.1 | 757.50 | 2.879 | 0.000000 |
| Pathri 132kV | 09/01/2020 15:45:00 | 64 | 5000.0 | 1112.5 | 0.0 | -1112.5 | 22.25 | 181.25 | 3.839 | 0.000000 |
| Pathri 132kV | 09/01/2020 16:00:00 | 65 | 5000.0 | 1125.0 | 0.0 | -1125.0 | 22.5 | 187.50 | 1.727 | 0.000000 |
| Pathri 132kV | 09/01/2020 16:15:00 | 66 | 5000.0 | 800.0 | 0.0 | -800.0 | 16.0 | 25.00 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Pathri 132kV | 09/01/2020 16:30:00 | 67 | 5000.0 | 557.5 | 0.0 | -557.5 | 11.15 | 0.00 | -4.159 | 0.000000 |
| Pathri 132kV | 09/01/2020 16:45:00 | 68 | 5000.0 | 497.5 | 0.0 | -497.5 | 9.95 | 0.00 | 3.839 | 0.000000 |
| Pathri 132kV | 09/01/2020 17:00:00 | 69 | 5000.0 | 287.5 | 0.0 | -287.5 | 5.75 | 0.00 | 1.727 | 0.000000 |
| Pathri 132kV | 09/01/2020 17:15:00 | 70 | 5000.0 | 150.0 | 0.0 | -150.0 | 3.0 | 0.00 | 3.839 | 51.557376 |
| Pathri 132kV | 09/01/2020 17:30:00 | 71 | 5000.0 | 35.0 | 0.0 | -35.0 | 0.7 | 0.00 | -2.879 | 0.000000 |
| Pathri 132kV | 09/01/2020 17:45:00 | 72 | 5000.0 | 35.0 | 0.0 | -35.0 | 0.7 | 0.00 | -4.146 | 0.000000 |
| Pathri 132kV | 09/01/2020 18:00:00 | 73 | 5000.0 | 12.5 | 0.0 | -12.5 | 0.25 | 0.00 | -3.349 | 0.000000 |
| Pathri 132kV | 09/01/2020 18:15:00 | 74 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.563 | 0.000000 |
| Pathri 132kV | 09/01/2020 18:30:00 | 75 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.839 | 0.000000 |
| Pathri 132kV | 09/01/2020 18:45:00 | 76 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Pathri 132kV | 09/01/2020 19:00:00 | 77 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.199 | 0.000000 |
| Pathri 132kV | 09/01/2020 19:15:00 | 78 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Pathri 132kV | 09/01/2020 19:30:00 | 79 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.442 | 0.000000 |
| Pathri 132kV | 09/01/2020 19:45:00 | 80 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.286 | 0.000000 |
| Pathri 132kV | 09/01/2020 20:00:00 | 81 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.070 | 0.000000 |
| Pathri 132kV | 09/01/2020 20:15:00 | 82 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.236 | 0.000000 |
| Pathri 132kV | 09/01/2020 20:30:00 | 83 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.799 | 0.000000 |
| Pathri 132kV | 09/01/2020 20:45:00 | 84 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Pathri 132kV | 09/01/2020 21:00:00 | 85 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Pathri 132kV | 09/01/2020 21:15:00 | 86 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |
| Pathri 132kV | 09/01/2020 21:30:00 | 87 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Pathri 132kV | 09/01/2020 21:45:00 | 88 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.303 | 0.000000 |
| Pathri 132kV | 09/01/2020 22:00:00 | 89 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.795 | 0.000000 |
| Pathri 132kV | 09/01/2020 22:15:00 | 90 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.674 | 0.000000 |
| Pathri 132kV | 09/01/2020 22:30:00 | 91 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.303 | 0.000000 |
| Pathri 132kV | 09/01/2020 22:45:00 | 92 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.152 | 0.000000 |
| Pathri 132kV | 09/01/2020 23:00:00 | 93 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Pathri 132kV | 09/01/2020 23:15:00 | 94 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Pathri 132kV | 09/01/2020 23:30:00 | 95 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Pathri 132kV | 09/01/2020 23:45:00 | 96 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.987 | 0.000000 |
| Pathri 132kV | 10/01/2020 00:00:00 | 1 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.680 | 0.000000 |
| Pathri 132kV | 10/01/2020 00:15:00 | 2 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.326 | 0.000000 |
| Pathri 132kV | 10/01/2020 00:30:00 | 3 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.992 | 0.000000 |
| Pathri 132kV | 10/01/2020 00:45:00 | 4 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.532 | 0.000000 |
| Pathri 132kV | 10/01/2020 01:00:00 | 5 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.713 | 0.000000 |
| Pathri 132kV | 10/01/2020 01:15:00 | 6 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.548 | 0.000000 |
| Pathri 132kV | 10/01/2020 01:30:00 | 7 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Pathri 132kV | 10/01/2020 01:45:00 | 8 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Pathri 132kV | 10/01/2020 02:00:00 | 9 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.342 | 0.000000 |
| Pathri 132kV | 10/01/2020 02:15:00 | 10 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.595 | 0.000000 |
| Pathri 132kV | 10/01/2020 02:30:00 | 11 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.326 | 0.000000 |
| Pathri 132kV | 10/01/2020 02:45:00 | 12 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Pathri 132kV | 10/01/2020 03:00:00 | 13 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.658 | 0.000000 |
| Pathri 132kV | 10/01/2020 03:15:00 | 14 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Pathri 132kV | 10/01/2020 03:30:00 | 15 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Pathri 132kV | 10/01/2020 03:45:00 | 16 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.063 | 0.000000 |
| Pathri 132kV | 10/01/2020 04:00:00 | 17 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.595 | 0.000000 |
| Pathri 132kV | 10/01/2020 04:15:00 | 18 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.326 | 0.000000 |
| Pathri 132kV | 10/01/2020 04:30:00 | 19 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.326 | 0.000000 |
| Pathri 132kV | 10/01/2020 04:45:00 | 20 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Pathri 132kV | 10/01/2020 05:00:00 | 21 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.992 | 0.000000 |
| Pathri 132kV | 10/01/2020 05:15:00 | 22 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.063 | 0.000000 |
| Pathri 132kV | 10/01/2020 05:30:00 | 23 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Pathri 132kV | 10/01/2020 05:45:00 | 24 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Pathri 132kV | 10/01/2020 06:00:00 | 25 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.127 | 0.000000 |
| Pathri 132kV | 10/01/2020 06:15:00 | 26 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.658 | 0.000000 |
| Pathri 132kV | 10/01/2020 06:30:00 | 27 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.992 | 0.000000 |
| Pathri 132kV | 10/01/2020 06:45:00 | 28 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.077 | 0.000000 |
| Pathri 132kV | 10/01/2020 07:00:00 | 29 | 5000.0 | 15.0 | 0.0 | -15.0 | 0.3 | 0.00 | -0.687 | 0.000000 |
| Pathri 132kV | 10/01/2020 07:15:00 | 30 | 5000.0 | 105.0 | 0.0 | -105.0 | 2.1 | 0.00 | -2.658 | 0.000000 |
| Pathri 132kV | 10/01/2020 07:30:00 | 31 | 5000.0 | 212.5 | 0.0 | -212.5 | 4.25 | 0.00 | -1.063 | 0.000000 |
| Pathri 132kV | 10/01/2020 07:45:00 | 32 | 5000.0 | 302.5 | 0.0 | -302.5 | 6.05 | 0.00 | -2.658 | 0.000000 |
| Pathri 132kV | 10/01/2020 08:00:00 | 33 | 5000.0 | 510.0 | 0.0 | -510.0 | 10.2 | 0.00 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Pathri 132kV | 10/01/2020 08:15:00 | 34 | 5000.0 | 687.5 | 0.0 | -687.5 | 13.75 | 0.00 | -4.661 | 0.000000 |
| Pathri 132kV | 10/01/2020 08:30:00 | 35 | 5000.0 | 855.0 | 0.0 | -855.0 | 17.1 | 52.50 | 5.663 | 0.000000 |
| Pathri 132kV | 10/01/2020 08:45:00 | 36 | 5000.0 | 1032.5 | 0.0 | -1032.5 | 20.65 | 141.25 | 4.328 | 0.000000 |
| Pathri 132kV | 10/01/2020 09:00:00 | 37 | 5000.0 | 1130.0 | 0.0 | -1130.0 | 22.6 | 190.00 | -4.995 | 0.000000 |
| Pathri 132kV | 10/01/2020 09:15:00 | 38 | 5000.0 | 1612.5 | 0.0 | -1612.5 | 32.25 | 612.50 | -4.327 | 0.000000 |
| Pathri 132kV | 10/01/2020 09:30:00 | 39 | 5000.0 | 1665.0 | 0.0 | -1665.0 | 33.3 | 665.00 | -2.127 | 0.000000 |
| Pathri 132kV | 10/01/2020 09:45:00 | 40 | 5000.0 | 1755.0 | 0.0 | -1755.0 | 35.1 | 757.50 | -1.152 | 0.000000 |
| Pathri 132kV | 10/01/2020 10:00:00 | 41 | 5000.0 | 1892.5 | 0.0 | -1892.5 | 37.85 | 963.75 | 0.000 | 0.000000 |
| Pathri 132kV | 10/01/2020 10:15:00 | 42 | 5000.0 | 2045.0 | 0.0 | -2045.0 | 40.9 | 1192.50 | -0.532 | 0.000000 |
| Pathri 132kV | 10/01/2020 10:30:00 | 43 | 5000.0 | 2207.5 | 0.0 | -2207.5 | 44.15 | 1436.25 | -1.063 | 0.000000 |
| Pathri 132kV | 10/01/2020 10:45:00 | 44 | 5000.0 | 2077.5 | 0.0 | -2077.5 | 41.55 | 1241.25 | 0.000 | 0.000000 |
| Pathri 132kV | 10/01/2020 11:00:00 | 45 | 5000.0 | 3415.0 | 0.0 | -3415.0 | 68.3 | 3247.50 | 2.658 | 0.000000 |
| Pathri 132kV | 10/01/2020 11:15:00 | 46 | 5000.0 | 3555.0 | 0.0 | -3555.0 | 71.1 | 3457.50 | 0.000 | 0.000000 |
| Pathri 132kV | 10/01/2020 11:30:00 | 47 | 5000.0 | 3687.5 | 0.0 | -3687.5 | 73.75 | 3656.25 | -1.595 | 0.000000 |
| Pathri 132kV | 10/01/2020 11:45:00 | 48 | 5000.0 | 3822.5 | 0.0 | -3822.5 | 76.45 | 3858.75 | 2.992 | 0.000000 |
| Pathri 132kV | 10/01/2020 12:00:00 | 49 | 5000.0 | 3940.0 | 0.0 | -3940.0 | 78.8 | 4035.00 | 0.000 | 0.000000 |
| Pathri 132kV | 10/01/2020 12:15:00 | 50 | 5000.0 | 3915.0 | 0.0 | -3915.0 | 78.3 | 3997.50 | 2.127 | 0.000000 |
| Pathri 132kV | 10/01/2020 12:30:00 | 51 | 5000.0 | 3890.0 | 0.0 | -3890.0 | 77.8 | 3960.00 | 1.595 | 0.000000 |
| Pathri 132kV | 10/01/2020 12:45:00 | 52 | 5000.0 | 3832.5 | 0.0 | -3832.5 | 76.65 | 3873.75 | -1.063 | 0.000000 |
| Pathri 132kV | 10/01/2020 13:00:00 | 53 | 5000.0 | 3805.0 | 0.0 | -3805.0 | 76.1 | 3832.50 | 2.658 | 0.000000 |
| Pathri 132kV | 10/01/2020 13:15:00 | 54 | 5000.0 | 3755.0 | 0.0 | -3755.0 | 75.1 | 3757.50 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Pathri 132kV | 10/01/2020 13:30:00 | 55 | 5000.0 | 3707.5 | 0.0 | -3707.5 | 74.15 | 3686.25 | 2.127 | 0.000000 |
| Pathri 132kV | 10/01/2020 13:45:00 | 56 | 5000.0 | 3597.5 | 0.0 | -3597.5 | 71.95 | 3521.25 | -3.326 | 0.000000 |
| Pathri 132kV | 10/01/2020 14:00:00 | 57 | 5000.0 | 3432.5 | 0.0 | -3432.5 | 68.65 | 3273.75 | -2.992 | 0.000000 |
| Pathri 132kV | 10/01/2020 14:15:00 | 58 | 5000.0 | 3175.0 | 0.0 | -3175.0 | 63.5 | 2887.50 | 3.660 | 0.000000 |
| Pathri 132kV | 10/01/2020 14:30:00 | 59 | 5000.0 | 2922.5 | 0.0 | -2922.5 | 58.45 | 2508.75 | -2.127 | 0.000000 |
| Pathri 132kV | 10/01/2020 14:45:00 | 60 | 5000.0 | 2730.0 | 0.0 | -2730.0 | 54.6 | 2220.00 | -2.127 | 0.000000 |
| Pathri 132kV | 10/01/2020 15:00:00 | 61 | 5000.0 | 2620.0 | 0.0 | -2620.0 | 52.4 | 2055.00 | 0.000 | 0.000000 |
| Pathri 132kV | 10/01/2020 15:15:00 | 62 | 5000.0 | 2315.0 | 0.0 | -2315.0 | 46.3 | 1597.50 | -2.992 | 0.000000 |
| Pathri 132kV | 10/01/2020 15:30:00 | 63 | 5000.0 | 2217.5 | 0.0 | -2217.5 | 44.35 | 1451.25 | -4.995 | 0.000000 |
| Pathri 132kV | 10/01/2020 15:45:00 | 64 | 5000.0 | 1742.5 | 0.0 | -1742.5 | 34.85 | 742.50 | -4.327 | 0.000000 |
| Pathri 132kV | 10/01/2020 16:00:00 | 65 | 5000.0 | 1567.5 | 0.0 | -1567.5 | 31.35 | 567.50 | -4.995 | 0.000000 |
| Pathri 132kV | 10/01/2020 16:15:00 | 66 | 5000.0 | 1277.5 | 0.0 | -1277.5 | 25.55 | 277.50 | -8.000 | 0.000000 |
| Pathri 132kV | 10/01/2020 16:30:00 | 67 | 5000.0 | 1000.0 | 0.0 | -1000.0 | 20.0 | 125.00 | -8.000 | 0.000000 |
| Pathri 132kV | 10/01/2020 16:45:00 | 68 | 5000.0 | 767.5 | 0.0 | -767.5 | 15.35 | 8.75 | 4.327 | 0.000000 |
| Pathri 132kV | 10/01/2020 17:00:00 | 69 | 5000.0 | 545.0 | 0.0 | -545.0 | 10.9 | 0.00 | 0.532 | 0.000000 |
| Pathri 132kV | 10/01/2020 17:15:00 | 70 | 5000.0 | 367.5 | 0.0 | -367.5 | 7.35 | 0.00 | -1.595 | 0.000000 |
| Pathri 132kV | 10/01/2020 17:30:00 | 71 | 5000.0 | 182.5 | 0.0 | -182.5 | 3.65 | 0.00 | -2.658 | 0.000000 |
| Pathri 132kV | 10/01/2020 17:45:00 | 72 | 5000.0 | 62.5 | 0.0 | -62.5 | 1.25 | 0.00 | -2.127 | 0.000000 |
| Pathri 132kV | 10/01/2020 18:00:00 | 73 | 5000.0 | 30.0 | 0.0 | -30.0 | 0.6 | 0.00 | -1.461 | 0.000000 |
| Pathri 132kV | 10/01/2020 18:15:00 | 74 | 5000.0 | 10.0 | 0.0 | -10.0 | 0.2 | 0.00 | 3.326 | 3.514165 |
| Pathri 132kV | 10/01/2020 18:30:00 | 75 | 5000.0 | 2.5 | 0.0 | -2.5 | 0.05 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Pathri 132kV | 10/01/2020 18:45:00 | 76 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.994 | 0.000000 |
| Pathri 132kV | 10/01/2020 19:00:00 | 77 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.127 | 0.000000 |
| Pathri 132kV | 10/01/2020 19:15:00 | 78 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Pathri 132kV | 10/01/2020 19:30:00 | 79 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.660 | 0.000000 |
| Pathri 132kV | 10/01/2020 19:45:00 | 80 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.326 | 0.000000 |
| Pathri 132kV | 10/01/2020 20:00:00 | 81 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.660 | 0.000000 |
| Pathri 132kV | 10/01/2020 20:15:00 | 82 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.660 | 0.000000 |
| Pathri 132kV | 10/01/2020 20:30:00 | 83 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.995 | 0.000000 |
| Pathri 132kV | 10/01/2020 20:45:00 | 84 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.992 | 0.000000 |
| Pathri 132kV | 10/01/2020 21:00:00 | 85 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.660 | 0.000000 |
| Pathri 132kV | 10/01/2020 21:15:00 | 86 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.595 | 0.000000 |
| Pathri 132kV | 10/01/2020 21:30:00 | 87 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.063 | 0.000000 |
| Pathri 132kV | 10/01/2020 21:45:00 | 88 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.532 | 0.000000 |
| Pathri 132kV | 10/01/2020 22:00:00 | 89 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.595 | 0.000000 |
| Pathri 132kV | 10/01/2020 22:15:00 | 90 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.127 | 0.000000 |
| Pathri 132kV | 10/01/2020 22:30:00 | 91 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.063 | 0.000000 |
| Pathri 132kV | 10/01/2020 22:45:00 | 92 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Pathri 132kV | 10/01/2020 23:00:00 | 93 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Pathri 132kV | 10/01/2020 23:15:00 | 94 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Pathri 132kV | 10/01/2020 23:30:00 | 95 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Pathri 132kV | 10/01/2020 23:45:00 | 96 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Pathri 132kV | 11/01/2020 00:00:00 | 1 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Pathri 132kV | 11/01/2020 00:15:00 | 2 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.629 | 0.000000 |
| Pathri 132kV | 11/01/2020 00:30:00 | 3 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.577 | 0.000000 |
| Pathri 132kV | 11/01/2020 00:45:00 | 4 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.103 | 0.000000 |
| Pathri 132kV | 11/01/2020 01:00:00 | 5 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Pathri 132kV | 11/01/2020 01:15:00 | 6 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.052 | 0.000000 |
| Pathri 132kV | 11/01/2020 01:30:00 | 7 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.577 | 0.000000 |
| Pathri 132kV | 11/01/2020 01:45:00 | 8 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.526 | 0.000000 |
| Pathri 132kV | 11/01/2020 02:00:00 | 9 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.403 | 0.000000 |
| Pathri 132kV | 11/01/2020 02:15:00 | 10 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.630 | 0.000000 |
| Pathri 132kV | 11/01/2020 02:30:00 | 11 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.526 | 0.000000 |
| Pathri 132kV | 11/01/2020 02:45:00 | 12 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.526 | 0.000000 |
| Pathri 132kV | 11/01/2020 03:00:00 | 13 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.051 | 0.000000 |
| Pathri 132kV | 11/01/2020 03:15:00 | 14 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Pathri 132kV | 11/01/2020 03:30:00 | 15 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Pathri 132kV | 11/01/2020 03:45:00 | 16 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Pathri 132kV | 11/01/2020 04:00:00 | 17 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Pathri 132kV | 11/01/2020 04:15:00 | 18 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.051 | 0.000000 |
| Pathri 132kV | 11/01/2020 04:30:00 | 19 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.964 | 0.000000 |
| Pathri 132kV | 11/01/2020 04:45:00 | 20 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.300 | 0.000000 |
| Pathri 132kV | 11/01/2020 05:00:00 | 21 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Pathri 132kV | 11/01/2020 05:15:00 | 22 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.314 | 0.000000 |
| Pathri 132kV | 11/01/2020 05:30:00 | 23 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Pathri 132kV | 11/01/2020 05:45:00 | 24 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.103 | 0.000000 |
| Pathri 132kV | 11/01/2020 06:00:00 | 25 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.636 | 0.000000 |
| Pathri 132kV | 11/01/2020 06:15:00 | 26 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Pathri 132kV | 11/01/2020 06:30:00 | 27 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.105 | 0.000000 |
| Pathri 132kV | 11/01/2020 06:45:00 | 28 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.650 | 0.000000 |
| Pathri 132kV | 11/01/2020 07:00:00 | 29 | 5000.0 | 15.0 | 0.0 | -15.0 | 0.3 | 0.00 | 3.300 | 0.000000 |
| Pathri 132kV | 11/01/2020 07:15:00 | 30 | 5000.0 | 162.5 | 0.0 | -162.5 | 3.25 | 0.00 | 5.314 | 0.000000 |
| Pathri 132kV | 11/01/2020 07:30:00 | 31 | 5000.0 | 390.0 | 0.0 | -390.0 | 7.8 | 0.00 | 2.964 | 0.000000 |
| Pathri 132kV | 11/01/2020 07:45:00 | 32 | 5000.0 | 627.5 | 0.0 | -627.5 | 12.55 | 0.00 | 2.103 | 0.000000 |
| Pathri 132kV | 11/01/2020 08:00:00 | 33 | 5000.0 | 925.0 | 0.0 | -925.0 | 18.5 | 87.50 | -1.577 | 0.000000 |
| Pathri 132kV | 11/01/2020 08:15:00 | 34 | 5000.0 | 1235.0 | 0.0 | -1235.0 | 24.7 | 242.50 | 3.300 | 0.000000 |
| Pathri 132kV | 11/01/2020 08:30:00 | 35 | 5000.0 | 1592.5 | 0.0 | -1592.5 | 31.85 | 592.50 | 2.116 | 0.000000 |
| Pathri 132kV | 11/01/2020 08:45:00 | 36 | 5000.0 | 1962.5 | 0.0 | -1962.5 | 39.25 | 1068.75 | 2.964 | 0.000000 |
| Pathri 132kV | 11/01/2020 09:00:00 | 37 | 5000.0 | 2205.0 | 0.0 | -2205.0 | 44.1 | 1432.50 | 6.681 | 0.000000 |
| Pathri 132kV | 11/01/2020 09:15:00 | 38 | 5000.0 | 2535.0 | 0.0 | -2535.0 | 50.7 | 1927.50 | 6.657 | 0.000000 |
| Pathri 132kV | 11/01/2020 09:30:00 | 39 | 5000.0 | 2845.0 | 0.0 | -2845.0 | 56.9 | 2392.50 | -6.322 | 0.000000 |
| Pathri 132kV | 11/01/2020 09:45:00 | 40 | 5000.0 | 3102.5 | 0.0 | -3102.5 | 62.05 | 2778.75 | -2.103 | 0.000000 |
| Pathri 132kV | 11/01/2020 10:00:00 | 41 | 5000.0 | 3325.0 | 0.0 | -3325.0 | 66.5 | 3112.50 | 0.526 | 0.000000 |
| Pathri 132kV | 11/01/2020 10:15:00 | 42 | 5000.0 | 3527.5 | 0.0 | -3527.5 | 70.55 | 3416.25 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Pathri 132kV | 11/01/2020 10:30:00 | 43 | 5000.0 | 3717.5 | 0.0 | -3717.5 | 74.35 | 3701.25 | 0.000 | 0.000000 |
| Pathri 132kV | 11/01/2020 10:45:00 | 44 | 5000.0 | 3870.0 | 0.0 | -3870.0 | 77.4 | 3930.00 | 0.000 | 0.000000 |
| Pathri 132kV | 11/01/2020 11:00:00 | 45 | 5000.0 | 3975.0 | 0.0 | -3975.0 | 79.5 | 4087.50 | 0.000 | 0.000000 |
| Pathri 132kV | 11/01/2020 11:15:00 | 46 | 5000.0 | 4072.5 | 0.0 | -4072.5 | 81.45 | 4233.75 | -2.964 | 0.000000 |
| Pathri 132kV | 11/01/2020 11:30:00 | 47 | 5000.0 | 4155.0 | 0.0 | -4155.0 | 83.1 | 4357.50 | -4.307 | 0.000000 |
| Pathri 132kV | 11/01/2020 11:45:00 | 48 | 5000.0 | 4215.0 | 0.0 | -4215.0 | 84.3 | 4447.50 | -3.300 | 0.000000 |
| Pathri 132kV | 11/01/2020 12:00:00 | 49 | 5000.0 | 4235.0 | 0.0 | -4235.0 | 84.7 | 4477.50 | -0.526 | 0.000000 |
| Pathri 132kV | 11/01/2020 12:15:00 | 50 | 5000.0 | 4280.0 | 0.0 | -4280.0 | 85.6 | 4545.00 | -2.103 | 0.000000 |
| Pathri 132kV | 11/01/2020 12:30:00 | 51 | 5000.0 | 4272.5 | 0.0 | -4272.5 | 85.45 | 4533.75 | -2.629 | 0.000000 |
| Pathri 132kV | 11/01/2020 12:45:00 | 52 | 5000.0 | 4250.0 | 0.0 | -4250.0 | 85.0 | 4500.00 | -2.629 | 0.000000 |
| Pathri 132kV | 11/01/2020 13:00:00 | 53 | 5000.0 | 4207.5 | 0.0 | -4207.5 | 84.15 | 4436.25 | 0.000 | 0.000000 |
| Pathri 132kV | 11/01/2020 13:15:00 | 54 | 5000.0 | 4125.0 | 0.0 | -4125.0 | 82.5 | 4312.50 | -2.103 | 0.000000 |
| Pathri 132kV | 11/01/2020 13:30:00 | 55 | 5000.0 | 4010.0 | 0.0 | -4010.0 | 80.2 | 4140.00 | 2.629 | 0.000000 |
| Pathri 132kV | 11/01/2020 13:45:00 | 56 | 5000.0 | 3865.0 | 0.0 | -3865.0 | 77.3 | 3922.50 | 2.103 | 0.000000 |
| Pathri 132kV | 11/01/2020 14:00:00 | 57 | 5000.0 | 3682.5 | 0.0 | -3682.5 | 73.65 | 3648.75 | 1.051 | 0.000000 |
| Pathri 132kV | 11/01/2020 14:15:00 | 58 | 5000.0 | 3555.0 | 0.0 | -3555.0 | 71.1 | 3457.50 | 3.300 | 0.000000 |
| Pathri 132kV | 11/01/2020 14:30:00 | 59 | 5000.0 | 3355.0 | 0.0 | -3355.0 | 67.1 | 3157.50 | -3.636 | 0.000000 |
| Pathri 132kV | 11/01/2020 14:45:00 | 60 | 5000.0 | 3155.0 | 0.0 | -3155.0 | 63.1 | 2857.50 | 4.979 | 0.000000 |
| Pathri 132kV | 11/01/2020 15:00:00 | 61 | 5000.0 | 2880.0 | 0.0 | -2880.0 | 57.6 | 2445.00 | -2.964 | 0.000000 |
| Pathri 132kV | 11/01/2020 15:15:00 | 62 | 5000.0 | 2590.0 | 0.0 | -2590.0 | 51.8 | 2010.00 | -5.314 | 0.000000 |
| Pathri 132kV | 11/01/2020 15:30:00 | 63 | 5000.0 | 2217.5 | 0.0 | -2217.5 | 44.35 | 1451.25 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Pathri 132kV | 11/01/2020 15:45:00 | 64 | 5000.0 | 1957.5 | 0.0 | -1957.5 | 39.15 | 1061.25 | 4.643 | 0.000000 |
| Pathri 132kV | 11/01/2020 16:00:00 | 65 | 5000.0 | 1630.0 | 0.0 | -1630.0 | 32.6 | 630.00 | 2.103 | 0.000000 |
| Pathri 132kV | 11/01/2020 16:15:00 | 66 | 5000.0 | 1235.0 | 0.0 | -1235.0 | 24.7 | 242.50 | -2.964 | 0.000000 |
| Pathri 132kV | 11/01/2020 16:30:00 | 67 | 5000.0 | 975.0 | 0.0 | -975.0 | 19.5 | 112.50 | -2.103 | 0.000000 |
| Pathri 132kV | 11/01/2020 16:45:00 | 68 | 5000.0 | 702.5 | 0.0 | -702.5 | 14.05 | 0.00 | 3.972 | 0.000000 |
| Pathri 132kV | 11/01/2020 17:00:00 | 69 | 5000.0 | 427.5 | 0.0 | -427.5 | 8.55 | 0.00 | -1.577 | 0.000000 |
| Pathri 132kV | 11/01/2020 17:15:00 | 70 | 5000.0 | 242.5 | 0.0 | -242.5 | 4.85 | 0.00 | -1.577 | 0.000000 |
| Pathri 132kV | 11/01/2020 17:30:00 | 71 | 5000.0 | 85.0 | 0.0 | -85.0 | 1.7 | 0.00 | 1.051 | 1.084545 |
| Pathri 132kV | 11/01/2020 17:45:00 | 72 | 5000.0 | 37.5 | 0.0 | -37.5 | 0.75 | 0.00 | -2.103 | 0.000000 |
| Pathri 132kV | 11/01/2020 18:00:00 | 73 | 5000.0 | 10.0 | 0.0 | -10.0 | 0.2 | 0.00 | -2.964 | 0.000000 |
| Pathri 132kV | 11/01/2020 18:15:00 | 74 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.629 | 0.000000 |
| Pathri 132kV | 11/01/2020 18:30:00 | 75 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.103 | 0.000000 |
| Pathri 132kV | 11/01/2020 18:45:00 | 76 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.526 | 0.000000 |
| Pathri 132kV | 11/01/2020 19:00:00 | 77 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.103 | 0.000000 |
| Pathri 132kV | 11/01/2020 19:15:00 | 78 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.052 | 0.000000 |
| Pathri 132kV | 11/01/2020 19:30:00 | 79 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Pathri 132kV | 11/01/2020 19:45:00 | 80 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.629 | 0.000000 |
| Pathri 132kV | 11/01/2020 20:00:00 | 81 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.629 | 0.000000 |
| Pathri 132kV | 11/01/2020 20:15:00 | 82 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.307 | 0.000000 |
| Pathri 132kV | 11/01/2020 20:30:00 | 83 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Pathri 132kV | 11/01/2020 20:45:00 | 84 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.629 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Pathri 132kV | 11/01/2020 21:00:00 | 85 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.636 | 0.000000 |
| Pathri 132kV | 11/01/2020 21:15:00 | 86 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.577 | 0.000000 |
| Pathri 132kV | 11/01/2020 21:30:00 | 87 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.577 | 0.000000 |
| Pathri 132kV | 11/01/2020 21:45:00 | 88 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.052 | 0.000000 |
| Pathri 132kV | 11/01/2020 22:00:00 | 89 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.650 | 0.000000 |
| Pathri 132kV | 11/01/2020 22:15:00 | 90 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.650 | 0.000000 |
| Pathri 132kV | 11/01/2020 22:30:00 | 91 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.979 | 0.000000 |
| Pathri 132kV | 11/01/2020 22:45:00 | 92 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Pathri 132kV | 11/01/2020 23:00:00 | 93 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.577 | 0.000000 |
| Pathri 132kV | 11/01/2020 23:15:00 | 94 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.074 | 0.000000 |
| Pathri 132kV | 11/01/2020 23:30:00 | 95 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.113 | 0.000000 |
| Pathri 132kV | 11/01/2020 23:45:00 | 96 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.162 | 0.000000 |
| Pathri 132kV | 12/01/2020 00:00:00 | 1 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Pathri 132kV | 12/01/2020 00:15:00 | 2 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |
| Pathri 132kV | 12/01/2020 00:30:00 | 3 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |
| Pathri 132kV | 12/01/2020 00:45:00 | 4 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Pathri 132kV | 12/01/2020 01:00:00 | 5 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.629 | 0.000000 |
| Pathri 132kV | 12/01/2020 01:15:00 | 6 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.317 | 0.000000 |
| Pathri 132kV | 12/01/2020 01:30:00 | 7 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.354 | 0.000000 |
| Pathri 132kV | 12/01/2020 01:45:00 | 8 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Pathri 132kV | 12/01/2020 02:00:00 | 9 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Pathri 132kV | 12/01/2020 02:15:00 | 10 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Pathri 132kV | 12/01/2020 02:30:00 | 11 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.690 | 0.000000 |
| Pathri 132kV | 12/01/2020 02:45:00 | 12 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Pathri 132kV | 12/01/2020 03:00:00 | 13 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.354 | 0.000000 |
| Pathri 132kV | 12/01/2020 03:15:00 | 14 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Pathri 132kV | 12/01/2020 03:30:00 | 15 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.354 | 0.000000 |
| Pathri 132kV | 12/01/2020 03:45:00 | 16 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Pathri 132kV | 12/01/2020 04:00:00 | 17 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |
| Pathri 132kV | 12/01/2020 04:15:00 | 18 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Pathri 132kV | 12/01/2020 04:30:00 | 19 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.076 | 0.000000 |
| Pathri 132kV | 12/01/2020 04:45:00 | 20 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Pathri 132kV | 12/01/2020 05:00:00 | 21 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.686 | 0.000000 |
| Pathri 132kV | 12/01/2020 05:15:00 | 22 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.686 | 0.000000 |
| Pathri 132kV | 12/01/2020 05:30:00 | 23 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.614 | 0.000000 |
| Pathri 132kV | 12/01/2020 05:45:00 | 24 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.496 | 0.000000 |
| Pathri 132kV | 12/01/2020 06:00:00 | 25 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Pathri 132kV | 12/01/2020 06:15:00 | 26 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.430 | 0.000000 |
| Pathri 132kV | 12/01/2020 06:30:00 | 27 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |
| Pathri 132kV | 12/01/2020 06:45:00 | 28 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.681 | 0.000000 |
| Pathri 132kV | 12/01/2020 07:00:00 | 29 | 5000.0 | 15.0 | 0.0 | -15.0 | 0.3 | 0.00 | 1.614 | 0.000000 |
| Pathri 132kV | 12/01/2020 07:15:00 | 30 | 5000.0 | 155.0 | 0.0 | -155.0 | 3.1 | 0.00 | 3.838 | 128.286738 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Pathri 132kV | 12/01/2020 07:30:00 | 31 | 5000.0 | 375.0 | 0.0 | -375.0 | 7.5 | 0.00 | 3.022 | 0.000000 |
| Pathri 132kV | 12/01/2020 07:45:00 | 32 | 5000.0 | 602.5 | 0.0 | -602.5 | 12.05 | 0.00 | 2.690 | 0.000000 |
| Pathri 132kV | 12/01/2020 08:00:00 | 33 | 5000.0 | 887.5 | 0.0 | -887.5 | 17.75 | 68.75 | -2.690 | 0.000000 |
| Pathri 132kV | 12/01/2020 08:15:00 | 34 | 5000.0 | 1185.0 | 0.0 | -1185.0 | 23.7 | 217.50 | -4.018 | 0.000000 |
| Pathri 132kV | 12/01/2020 08:30:00 | 35 | 5000.0 | 1530.0 | 0.0 | -1530.0 | 30.6 | 530.00 | -2.690 | 0.000000 |
| Pathri 132kV | 12/01/2020 08:45:00 | 36 | 5000.0 | 1885.0 | 0.0 | -1885.0 | 37.7 | 952.50 | 3.022 | 0.000000 |
| Pathri 132kV | 12/01/2020 09:00:00 | 37 | 5000.0 | 2117.5 | 0.0 | -2117.5 | 42.35 | 1301.25 | -3.354 | 0.000000 |
| Pathri 132kV | 12/01/2020 09:15:00 | 38 | 5000.0 | 2432.5 | 0.0 | -2432.5 | 48.65 | 1773.75 | -4.350 | 0.000000 |
| Pathri 132kV | 12/01/2020 09:30:00 | 39 | 5000.0 | 2730.0 | 0.0 | -2730.0 | 54.6 | 2220.00 | 2.152 | 0.000000 |
| Pathri 132kV | 12/01/2020 09:45:00 | 40 | 5000.0 | 2977.5 | 0.0 | -2977.5 | 59.55 | 2591.25 | -2.690 | 0.000000 |
| Pathri 132kV | 12/01/2020 10:00:00 | 41 | 5000.0 | 3192.5 | 0.0 | -3192.5 | 63.85 | 2913.75 | -3.354 | 0.000000 |
| Pathri 132kV | 12/01/2020 10:15:00 | 42 | 5000.0 | 3387.5 | 0.0 | -3387.5 | 67.75 | 3206.25 | -3.686 | 0.000000 |
| Pathri 132kV | 12/01/2020 10:30:00 | 43 | 5000.0 | 3570.0 | 0.0 | -3570.0 | 71.4 | 3480.00 | -1.614 | 0.000000 |
| Pathri 132kV | 12/01/2020 10:45:00 | 44 | 5000.0 | 3715.0 | 0.0 | -3715.0 | 74.3 | 3697.50 | 3.686 | 0.000000 |
| Pathri 132kV | 12/01/2020 11:00:00 | 45 | 5000.0 | 3815.0 | 0.0 | -3815.0 | 76.3 | 3847.50 | -3.354 | 0.000000 |
| Pathri 132kV | 12/01/2020 11:15:00 | 46 | 5000.0 | 3910.0 | 0.0 | -3910.0 | 78.2 | 3990.00 | -5.450 | 0.000000 |
| Pathri 132kV | 12/01/2020 11:30:00 | 47 | 5000.0 | 3990.0 | 0.0 | -3990.0 | 79.8 | 4110.00 | -6.009 | 0.000000 |
| Pathri 132kV | 12/01/2020 11:45:00 | 48 | 5000.0 | 4047.5 | 0.0 | -4047.5 | 80.95 | 4196.25 | 2.690 | 0.000000 |
| Pathri 132kV | 12/01/2020 12:00:00 | 49 | 5000.0 | 4065.0 | 0.0 | -4065.0 | 81.3 | 4222.50 | 3.686 | 0.000000 |
| Pathri 132kV | 12/01/2020 12:15:00 | 50 | 5000.0 | 4110.0 | 0.0 | -4110.0 | 82.2 | 4290.00 | -5.345 | 0.000000 |
| Pathri 132kV | 12/01/2020 12:30:00 | 51 | 5000.0 | 4102.5 | 0.0 | -4102.5 | 82.05 | 4278.75 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Pathri 132kV | 12/01/2020 12:45:00 | 52 | 5000.0 | 4080.0 | 0.0 | -4080.0 | 81.6 | 4245.00 | -5.345 | 0.000000 |
| Pathri 132kV | 12/01/2020 13:00:00 | 53 | 5000.0 | 4040.0 | 0.0 | -4040.0 | 80.8 | 4185.00 | -3.999 | 0.000000 |
| Pathri 132kV | 12/01/2020 13:15:00 | 54 | 5000.0 | 3960.0 | 0.0 | -3960.0 | 79.2 | 4065.00 | -4.350 | 0.000000 |
| Pathri 132kV | 12/01/2020 13:30:00 | 55 | 5000.0 | 3850.0 | 0.0 | -3850.0 | 77.0 | 3900.00 | -1.076 | 0.000000 |
| Pathri 132kV | 12/01/2020 13:45:00 | 56 | 5000.0 | 3710.0 | 0.0 | -3710.0 | 74.2 | 3690.00 | -2.690 | 0.000000 |
| Pathri 132kV | 12/01/2020 14:00:00 | 57 | 5000.0 | 3535.0 | 0.0 | -3535.0 | 70.7 | 3427.50 | -0.538 | 0.000000 |
| Pathri 132kV | 12/01/2020 14:15:00 | 58 | 5000.0 | 3412.5 | 0.0 | -3412.5 | 68.25 | 3243.75 | -2.152 | 0.000000 |
| Pathri 132kV | 12/01/2020 14:30:00 | 59 | 5000.0 | 3220.0 | 0.0 | -3220.0 | 64.4 | 2955.00 | -2.690 | 0.000000 |
| Pathri 132kV | 12/01/2020 14:45:00 | 60 | 5000.0 | 3030.0 | 0.0 | -3030.0 | 60.6 | 2670.00 | -1.076 | 0.000000 |
| Pathri 132kV | 12/01/2020 15:00:00 | 61 | 5000.0 | 2765.0 | 0.0 | -2765.0 | 55.3 | 2272.50 | 0.000 | 0.000000 |
| Pathri 132kV | 12/01/2020 15:15:00 | 62 | 5000.0 | 2487.5 | 0.0 | -2487.5 | 49.75 | 1856.25 | -2.690 | 0.000000 |
| Pathri 132kV | 12/01/2020 15:30:00 | 63 | 5000.0 | 2130.0 | 0.0 | -2130.0 | 42.6 | 1320.00 | -3.022 | 0.000000 |
| Pathri 132kV | 12/01/2020 15:45:00 | 64 | 5000.0 | 1880.0 | 0.0 | -1880.0 | 37.6 | 945.00 | -3.686 | 0.000000 |
| Pathri 132kV | 12/01/2020 16:00:00 | 65 | 5000.0 | 1565.0 | 0.0 | -1565.0 | 31.3 | 565.00 | -3.737 | 0.000000 |
| Pathri 132kV | 12/01/2020 16:15:00 | 66 | 5000.0 | 1185.0 | 0.0 | -1185.0 | 23.7 | 217.50 | -5.786 | 0.000000 |
| Pathri 132kV | 12/01/2020 16:30:00 | 67 | 5000.0 | 935.0 | 0.0 | -935.0 | 18.7 | 92.50 | -4.350 | 0.000000 |
| Pathri 132kV | 12/01/2020 16:45:00 | 68 | 5000.0 | 675.0 | 0.0 | -675.0 | 13.5 | 0.00 | -1.614 | 0.000000 |
| Pathri 132kV | 12/01/2020 17:00:00 | 69 | 5000.0 | 410.0 | 0.0 | -410.0 | 8.2 | 0.00 | 0.000 | 0.000000 |
| Pathri 132kV | 12/01/2020 17:15:00 | 70 | 5000.0 | 232.5 | 0.0 | -232.5 | 4.65 | 0.00 | 2.690 | 60.276497 |
| Pathri 132kV | 12/01/2020 17:30:00 | 71 | 5000.0 | 82.5 | 0.0 | -82.5 | 1.65 | 0.00 | -3.022 | 0.000000 |
| Pathri 132kV | 12/01/2020 17:45:00 | 72 | 5000.0 | 35.0 | 0.0 | -35.0 | 0.7 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Pathri 132kV | 12/01/2020 18:00:00 | 73 | 5000.0 | 10.0 | 0.0 | -10.0 | 0.2 | 0.00 | -0.538 | 0.000000 |
| Pathri 132kV | 12/01/2020 18:15:00 | 74 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.350 | 0.000000 |
| Pathri 132kV | 12/01/2020 18:30:00 | 75 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.690 | 0.000000 |
| Pathri 132kV | 12/01/2020 18:45:00 | 76 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Pathri 132kV | 12/01/2020 19:00:00 | 77 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.686 | 0.000000 |
| Pathri 132kV | 12/01/2020 19:15:00 | 78 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.690 | 0.000000 |
| Pathri 132kV | 12/01/2020 19:30:00 | 79 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Pathri 132kV | 12/01/2020 19:45:00 | 80 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.781 | 0.000000 |
| Pathri 132kV | 12/01/2020 20:00:00 | 81 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.021 | 0.000000 |
| Pathri 132kV | 12/01/2020 20:15:00 | 82 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.018 | 0.000000 |
| Pathri 132kV | 12/01/2020 20:30:00 | 83 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.354 | 0.000000 |
| Pathri 132kV | 12/01/2020 20:45:00 | 84 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.614 | 0.000000 |
| Pathri 132kV | 12/01/2020 21:00:00 | 85 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.350 | 0.000000 |
| Pathri 132kV | 12/01/2020 21:15:00 | 86 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.686 | 0.000000 |
| Pathri 132kV | 12/01/2020 21:30:00 | 87 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.614 | 0.000000 |
| Pathri 132kV | 12/01/2020 21:45:00 | 88 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Pathri 132kV | 12/01/2020 22:00:00 | 89 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.354 | 0.000000 |
| Pathri 132kV | 12/01/2020 22:15:00 | 90 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.350 | 0.000000 |
| Pathri 132kV | 12/01/2020 22:30:00 | 91 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.215 | 0.000000 |
| Pathri 132kV | 12/01/2020 22:45:00 | 92 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Pathri 132kV | 12/01/2020 23:00:00 | 93 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Pathri 132kV | 12/01/2020 23:15:00 | 94 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Pathri 132kV | 12/01/2020 23:30:00 | 95 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Pathri 132kV | 12/01/2020 23:45:00 | 96 | 5000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 00:00:00 | 1 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.903 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 00:15:00 | 2 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 00:30:00 | 3 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 00:45:00 | 4 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.984 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 01:00:00 | 5 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.541 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 01:15:00 | 6 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 01:30:00 | 7 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.541 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 01:45:00 | 8 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.352 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 02:00:00 | 9 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.747 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 02:15:00 | 10 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.581 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 02:30:00 | 11 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.323 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 02:45:00 | 12 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 03:00:00 | 13 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 03:15:00 | 14 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.742 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 03:30:00 | 15 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 03:45:00 | 16 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.541 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 04:00:00 | 17 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.496 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 04:15:00 | 18 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Solar 132kV | 06/01/2020 04:30:00 | 19 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.859 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 04:45:00 | 20 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.815 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 05:00:00 | 21 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.859 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 05:15:00 | 22 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.407 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 05:30:00 | 23 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.496 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 05:45:00 | 24 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.492 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 06:00:00 | 25 | 2500.0 | 5.0 | 0.0 | -5.0 | 0.2 | 0.00 | -5.452 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 06:15:00 | 26 | 2500.0 | 10.0 | 0.0 | -10.0 | 0.4 | 0.00 | -6.089 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 06:30:00 | 27 | 2500.0 | 20.0 | 0.0 | -20.0 | 0.8 | 0.00 | -7.044 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 06:45:00 | 28 | 2500.0 | 35.0 | 0.0 | -35.0 | 1.4 | 0.00 | 7.682 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 07:00:00 | 29 | 2500.0 | 200.0 | 0.0 | -200.0 | 8.0 | 0.00 | -3.859 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 07:15:00 | 30 | 2500.0 | 365.0 | 0.0 | -365.0 | 14.6 | 0.00 | 4.815 | 181.229147 |
| Rajpimpri Solar 132kV | 06/01/2020 07:30:00 | 31 | 2500.0 | 530.0 | 0.0 | -530.0 | 21.2 | 77.50 | 4.178 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 07:45:00 | 32 | 2500.0 | 690.0 | 0.0 | -690.0 | 27.6 | 190.00 | -3.540 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 08:00:00 | 33 | 2500.0 | 955.0 | 0.0 | -955.0 | 38.2 | 495.00 | -3.859 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 08:15:00 | 34 | 2500.0 | 1220.0 | 0.0 | -1220.0 | 48.8 | 892.50 | -5.452 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 08:30:00 | 35 | 2500.0 | 1485.0 | 0.0 | -1485.0 | 59.4 | 1290.00 | 4.178 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 08:45:00 | 36 | 2500.0 | 1750.0 | 0.0 | -1750.0 | 70.0 | 1687.50 | -3.859 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 09:00:00 | 37 | 2500.0 | 1990.0 | 0.0 | -1990.0 | 79.6 | 2047.50 | -6.407 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 09:15:00 | 38 | 2500.0 | 2230.0 | 0.0 | -2230.0 | 89.2 | 2407.50 | -8.000 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 09:30:00 | 39 | 2500.0 | 2470.0 | 0.0 | -2470.0 | 98.8 | 2767.50 | -5.770 | 0.000000 |

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| Rajpimpri Solar 132kV | 06/01/2020 09:45:00 | 40 | 2500.0 | 2710.0 | 0.0 | -2710.0 | 108.4 | 3127.50 | 3.222 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 10:00:00 | 41 | 2500.0 | 2880.0 | 0.0 | -2880.0 | 115.2 | 3382.50 | -2.903 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 10:15:00 | 42 | 2500.0 | 3055.0 | 0.0 | -3055.0 | 122.2 | 3645.00 | -3.222 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 10:30:00 | 43 | 2500.0 | 3230.0 | 0.0 | -3230.0 | 129.2 | 3907.50 | 4.815 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 10:45:00 | 44 | 2500.0 | 3410.0 | 0.0 | -3410.0 | 136.4 | 4177.50 | 4.496 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 11:00:00 | 45 | 2500.0 | 3505.0 | 0.0 | -3505.0 | 140.2 | 4320.00 | 16.000 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 11:15:00 | 46 | 2500.0 | 3600.0 | 0.0 | -3600.0 | 144.0 | 4462.50 | 5.133 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 11:30:00 | 47 | 2500.0 | 3690.0 | 0.0 | -3690.0 | 147.6 | 4597.50 | 1.182 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 11:45:00 | 48 | 2500.0 | 3790.0 | 0.0 | -3790.0 | 151.6 | 4747.50 | 6.308 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 12:00:00 | 49 | 2500.0 | 3790.0 | 0.0 | -3790.0 | 151.6 | 4747.50 | 6.598 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 12:15:00 | 50 | 2500.0 | 3795.0 | 0.0 | -3795.0 | 151.8 | 4755.00 | 5.431 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 12:30:00 | 51 | 2500.0 | 3810.0 | 0.0 | -3810.0 | 152.4 | 4777.50 | 3.540 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 12:45:00 | 52 | 2500.0 | 3820.0 | 0.0 | -3820.0 | 152.8 | 4792.50 | -2.903 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 13:00:00 | 53 | 2500.0 | 3730.0 | 0.0 | -3730.0 | 149.2 | 4657.50 | -1.161 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 13:15:00 | 54 | 2500.0 | 3640.0 | 0.0 | -3640.0 | 145.6 | 4522.50 | 3.859 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 13:30:00 | 55 | 2500.0 | 3550.0 | 0.0 | -3550.0 | 142.0 | 4387.50 | -6.407 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 13:45:00 | 56 | 2500.0 | 3460.0 | 0.0 | -3460.0 | 138.4 | 4252.50 | 5.452 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 14:00:00 | 57 | 2500.0 | 3280.0 | 0.0 | -3280.0 | 131.2 | 3982.50 | 5.452 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 14:15:00 | 58 | 2500.0 | 3100.0 | 0.0 | -3100.0 | 124.0 | 3712.50 | 16.000 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 14:30:00 | 59 | 2500.0 | 2920.0 | 0.0 | -2920.0 | 116.8 | 3442.50 | 6.035 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 14:45:00 | 60 | 2500.0 | 2740.0 | 0.0 | -2740.0 | 109.6 | 3172.50 | 3.949 | 0.000000 |

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| Rajpimpri Solar 132kV | 06/01/2020 15:00:00 | 61 | 2500.0 | 2505.0 | 0.0 | -2505.0 | 100.2 | 2820.00 | 3.367 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 15:15:00 | 62 | 2500.0 | 2270.0 | 0.0 | -2270.0 | 90.8 | 2467.50 | 3.904 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 15:30:00 | 63 | 2500.0 | 2030.0 | 0.0 | -2030.0 | 81.2 | 2107.50 | 4.482 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 15:45:00 | 64 | 2500.0 | 1790.0 | 0.0 | -1790.0 | 71.6 | 1747.50 | 4.225 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 16:00:00 | 65 | 2500.0 | 1545.0 | 0.0 | -1545.0 | 61.8 | 1380.00 | 2.895 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 16:15:00 | 66 | 2500.0 | 1290.0 | 0.0 | -1290.0 | 51.6 | 997.50 | 6.089 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 16:30:00 | 67 | 2500.0 | 1045.0 | 0.0 | -1045.0 | 41.8 | 630.00 | -8.000 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 16:45:00 | 68 | 2500.0 | 790.0 | 0.0 | -790.0 | 31.6 | 290.00 | -4.178 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 17:00:00 | 69 | 2500.0 | 610.0 | 0.0 | -610.0 | 24.4 | 117.50 | 1.742 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 17:15:00 | 70 | 2500.0 | 430.0 | 0.0 | -430.0 | 17.2 | 27.50 | 2.903 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 17:30:00 | 71 | 2500.0 | 245.0 | 0.0 | -245.0 | 9.8 | 0.00 | -4.178 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 17:45:00 | 72 | 2500.0 | 65.0 | 0.0 | -65.0 | 2.6 | 0.00 | -2.323 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 18:00:00 | 73 | 2500.0 | 35.0 | 0.0 | -35.0 | 1.4 | 0.00 | -2.903 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 18:15:00 | 74 | 2500.0 | 15.0 | 0.0 | -15.0 | 0.6 | 0.00 | 1.161 | 3.900898 |
| Rajpimpri Solar 132kV | 06/01/2020 18:30:00 | 75 | 2500.0 | 5.0 | 0.0 | -5.0 | 0.2 | 0.00 | 2.903 | 4.258648 |
| Rajpimpri Solar 132kV | 06/01/2020 18:45:00 | 76 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.903 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 19:00:00 | 77 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.161 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 19:15:00 | 78 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.178 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 19:30:00 | 79 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.323 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 19:45:00 | 80 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.178 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 20:00:00 | 81 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.496 | 0.000000 |

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| Rajpimpri Solar 132kV | 06/01/2020 20:15:00 | 82 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.770 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 20:30:00 | 83 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.770 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 20:45:00 | 84 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.178 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 21:00:00 | 85 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 21:15:00 | 86 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.742 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 21:30:00 | 87 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 21:45:00 | 88 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.161 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 22:00:00 | 89 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.815 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 22:15:00 | 90 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.859 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 22:30:00 | 91 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.742 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 22:45:00 | 92 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.323 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 23:00:00 | 93 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.903 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 23:15:00 | 94 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 23:30:00 | 95 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.222 | 0.000000 |
| Rajpimpri Solar 132kV | 06/01/2020 23:45:00 | 96 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 00:00:00 | 1 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.549 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 00:15:00 | 2 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.647 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 00:30:00 | 3 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.073 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 00:45:00 | 4 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.744 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 01:00:00 | 5 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 01:15:00 | 6 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Solar 132kV | 07/01/2020 01:30:00 | 7 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 01:45:00 | 8 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 02:00:00 | 9 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.073 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 02:15:00 | 10 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.073 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 02:30:00 | 11 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.401 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 02:45:00 | 12 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.745 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 03:00:00 | 13 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 03:15:00 | 14 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.196 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 03:30:00 | 15 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 03:45:00 | 16 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.098 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 04:00:00 | 17 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 04:15:00 | 18 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.210 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 04:30:00 | 19 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 04:45:00 | 20 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.098 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 05:00:00 | 21 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.744 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 05:15:00 | 22 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 05:30:00 | 23 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.073 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 05:45:00 | 24 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 06:00:00 | 25 | 2500.0 | 5.0 | 0.0 | -5.0 | 0.2 | 0.00 | -5.372 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 06:15:00 | 26 | 2500.0 | 10.0 | 0.0 | -10.0 | 0.4 | 0.00 | 4.556 | 33.320885 |
| Rajpimpri Solar 132kV | 07/01/2020 06:30:00 | 27 | 2500.0 | 25.0 | 0.0 | -25.0 | 1.0 | 0.00 | 7.148 | 144.229785 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Solar 132kV | 07/01/2020 06:45:00 | 28 | 2500.0 | 40.0 | 0.0 | -40.0 | 1.6 | 0.00 | 7.821 | 211.608491 |
| Rajpimpri Solar 132kV | 07/01/2020 07:00:00 | 29 | 2500.0 | 200.0 | 0.0 | -200.0 | 8.0 | 0.00 | 5.372 | 531.489588 |
| Rajpimpri Solar 132kV | 07/01/2020 07:15:00 | 30 | 2500.0 | 360.0 | 0.0 | -360.0 | 14.4 | 0.00 | 16.000 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 07:30:00 | 31 | 2500.0 | 525.0 | 0.0 | -525.0 | 21.0 | 75.00 | 9.296 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 07:45:00 | 32 | 2500.0 | 685.0 | 0.0 | -685.0 | 27.4 | 185.00 | 9.794 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 08:00:00 | 33 | 2500.0 | 820.0 | 0.0 | -820.0 | 32.8 | 320.00 | 3.593 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 08:15:00 | 34 | 2500.0 | 955.0 | 0.0 | -955.0 | 38.2 | 495.00 | 3.401 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 08:30:00 | 35 | 2500.0 | 1090.0 | 0.0 | -1090.0 | 43.6 | 697.50 | 3.245 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 08:45:00 | 36 | 2500.0 | 1225.0 | 0.0 | -1225.0 | 49.0 | 900.00 | 0.000 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 09:00:00 | 37 | 2500.0 | 1625.0 | 0.0 | -1625.0 | 65.0 | 1500.00 | 2.745 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 09:15:00 | 38 | 2500.0 | 2030.0 | 0.0 | -2030.0 | 81.2 | 2107.50 | 4.715 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 09:30:00 | 39 | 2500.0 | 2430.0 | 0.0 | -2430.0 | 97.2 | 2707.50 | 3.981 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 09:45:00 | 40 | 2500.0 | 2830.0 | 0.0 | -2830.0 | 113.2 | 3307.50 | 3.730 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 10:00:00 | 41 | 2500.0 | 3020.0 | 0.0 | -3020.0 | 120.8 | 3592.50 | 1.780 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 10:15:00 | 42 | 2500.0 | 3215.0 | 0.0 | -3215.0 | 128.6 | 3885.00 | 5.643 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 10:30:00 | 43 | 2500.0 | 3405.0 | 0.0 | -3405.0 | 136.2 | 4170.00 | 4.976 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 10:45:00 | 44 | 2500.0 | 3600.0 | 0.0 | -3600.0 | 144.0 | 4462.50 | 4.415 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 11:00:00 | 45 | 2500.0 | 3640.0 | 0.0 | -3640.0 | 145.6 | 4522.50 | 4.476 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 11:15:00 | 46 | 2500.0 | 3680.0 | 0.0 | -3680.0 | 147.2 | 4582.50 | 4.826 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 11:30:00 | 47 | 2500.0 | 3720.0 | 0.0 | -3720.0 | 148.8 | 4642.50 | 2.289 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 11:45:00 | 48 | 2500.0 | 3760.0 | 0.0 | -3760.0 | 150.4 | 4702.50 | -0.549 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Solar 132kV | 07/01/2020 12:00:00 | 49 | 2500.0 | 3835.0 | 0.0 | -3835.0 | 153.4 | 4815.00 | 4.727 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 12:15:00 | 50 | 2500.0 | 3910.0 | 0.0 | -3910.0 | 156.4 | 4927.50 | 4.777 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 12:30:00 | 51 | 2500.0 | 4055.0 | 0.0 | -4055.0 | 162.2 | 5145.00 | 4.798 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 12:45:00 | 52 | 2500.0 | 4165.0 | 0.0 | -4165.0 | 166.6 | 5310.00 | -3.401 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 13:00:00 | 53 | 2500.0 | 4095.0 | 0.0 | -4095.0 | 163.8 | 5205.00 | -2.431 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 13:15:00 | 54 | 2500.0 | 4025.0 | 0.0 | -4025.0 | 161.0 | 5100.00 | -4.387 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 13:30:00 | 55 | 2500.0 | 3955.0 | 0.0 | -3955.0 | 158.2 | 4995.00 | -3.401 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 13:45:00 | 56 | 2500.0 | 3885.0 | 0.0 | -3885.0 | 155.4 | 4890.00 | -5.044 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 14:00:00 | 57 | 2500.0 | 3730.0 | 0.0 | -3730.0 | 149.2 | 4657.50 | 4.215 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 14:15:00 | 58 | 2500.0 | 3575.0 | 0.0 | -3575.0 | 143.0 | 4425.00 | 9.552 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 14:30:00 | 59 | 2500.0 | 3415.0 | 0.0 | -3415.0 | 136.6 | 4185.00 | 6.358 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 14:45:00 | 60 | 2500.0 | 3260.0 | 0.0 | -3260.0 | 130.4 | 3952.50 | 2.744 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 15:00:00 | 61 | 2500.0 | 2920.0 | 0.0 | -2920.0 | 116.8 | 3442.50 | -3.073 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 15:15:00 | 62 | 2500.0 | 2585.0 | 0.0 | -2585.0 | 103.4 | 2940.00 | -4.058 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 15:30:00 | 63 | 2500.0 | 2250.0 | 0.0 | -2250.0 | 90.0 | 2437.50 | -4.831 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 15:45:00 | 64 | 2500.0 | 1910.0 | 0.0 | -1910.0 | 76.4 | 1927.50 | -5.372 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 16:00:00 | 65 | 2500.0 | 1660.0 | 0.0 | -1660.0 | 66.4 | 1552.50 | 2.196 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 16:15:00 | 66 | 2500.0 | 1410.0 | 0.0 | -1410.0 | 56.4 | 1177.50 | -3.401 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 16:30:00 | 67 | 2500.0 | 1160.0 | 0.0 | -1160.0 | 46.4 | 802.50 | 4.738 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 16:45:00 | 68 | 2500.0 | 910.0 | 0.0 | -910.0 | 36.4 | 427.50 | 7.343 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 17:00:00 | 69 | 2500.0 | 705.0 | 0.0 | -705.0 | 28.2 | 205.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Solar 132kV | 07/01/2020 17:15:00 | 70 | 2500.0 | 495.0 | 0.0 | -495.0 | 19.8 | 60.00 | 2.744 | 82.341342 |
| Rajpimpri Solar 132kV | 07/01/2020 17:30:00 | 71 | 2500.0 | 290.0 | 0.0 | -290.0 | 11.6 | 0.00 | 3.401 | 19.148534 |
| Rajpimpri Solar 132kV | 07/01/2020 17:45:00 | 72 | 2500.0 | 80.0 | 0.0 | -80.0 | 3.2 | 0.00 | -2.745 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 18:00:00 | 73 | 2500.0 | 45.0 | 0.0 | -45.0 | 1.8 | 0.00 | -3.073 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 18:15:00 | 74 | 2500.0 | 20.0 | 0.0 | -20.0 | 0.8 | 0.00 | -5.372 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 18:30:00 | 75 | 2500.0 | 5.0 | 0.0 | -5.0 | 0.2 | 0.00 | 3.401 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 18:45:00 | 76 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 19:00:00 | 77 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.730 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 19:15:00 | 78 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.715 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 19:30:00 | 79 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 19:45:00 | 80 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.210 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 20:00:00 | 81 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.348 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 20:15:00 | 82 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.387 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 20:30:00 | 83 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.816 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 20:45:00 | 84 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.401 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 21:00:00 | 85 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 21:15:00 | 86 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 21:30:00 | 87 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.196 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 21:45:00 | 88 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.196 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 22:00:00 | 89 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.257 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 22:15:00 | 90 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Solar 132kV | 07/01/2020 22:30:00 | 91 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.098 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 22:45:00 | 92 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.647 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 23:00:00 | 93 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 23:15:00 | 94 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 23:30:00 | 95 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.196 | 0.000000 |
| Rajpimpri Solar 132kV | 07/01/2020 23:45:00 | 96 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.549 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 00:00:00 | 1 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 00:15:00 | 2 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 00:30:00 | 3 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 00:45:00 | 4 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.424 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 01:00:00 | 5 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.170 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 01:15:00 | 6 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.761 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 01:30:00 | 7 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.665 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 01:45:00 | 8 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.665 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 02:00:00 | 9 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 02:15:00 | 10 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.347 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 02:30:00 | 11 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 02:45:00 | 12 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 03:00:00 | 13 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.428 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 03:15:00 | 14 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 03:30:00 | 15 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Solar 132kV | 08/01/2020 03:45:00 | 16 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 04:00:00 | 17 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 04:15:00 | 18 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.665 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 04:30:00 | 19 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 04:45:00 | 20 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 05:00:00 | 21 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 05:15:00 | 22 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 05:30:00 | 23 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.428 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 05:45:00 | 24 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 06:00:00 | 25 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 06:15:00 | 26 | 2500.0 | 5.0 | 0.0 | -5.0 | 0.2 | 0.00 | 2.220 | 1.023737 |
| Rajpimpri Solar 132kV | 08/01/2020 06:30:00 | 27 | 2500.0 | 15.0 | 0.0 | -15.0 | 0.6 | 0.00 | 5.387 | 26.999483 |
| Rajpimpri Solar 132kV | 08/01/2020 06:45:00 | 28 | 2500.0 | 25.0 | 0.0 | -25.0 | 1.0 | 0.00 | -4.734 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 07:00:00 | 29 | 2500.0 | 200.0 | 0.0 | -200.0 | 8.0 | 0.00 | -4.407 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 07:15:00 | 30 | 2500.0 | 375.0 | 0.0 | -375.0 | 15.0 | 0.00 | 5.061 | 660.968847 |
| Rajpimpri Solar 132kV | 08/01/2020 07:30:00 | 31 | 2500.0 | 555.0 | 0.0 | -555.0 | 22.2 | 90.00 | 5.714 | 936.007624 |
| Rajpimpri Solar 132kV | 08/01/2020 07:45:00 | 32 | 2500.0 | 730.0 | 0.0 | -730.0 | 29.2 | 230.00 | 5.061 | 484.015080 |
| Rajpimpri Solar 132kV | 08/01/2020 08:00:00 | 33 | 2500.0 | 925.0 | 0.0 | -925.0 | 37.0 | 450.00 | 2.775 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 08:15:00 | 34 | 2500.0 | 1115.0 | 0.0 | -1115.0 | 44.6 | 735.00 | 2.775 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 08:30:00 | 35 | 2500.0 | 1310.0 | 0.0 | -1310.0 | 52.4 | 1027.50 | 5.387 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 08:45:00 | 36 | 2500.0 | 1500.0 | 0.0 | -1500.0 | 60.0 | 1312.50 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Solar 132kV | 08/01/2020 09:00:00 | 37 | 2500.0 | 1690.0 | 0.0 | -1690.0 | 67.6 | 1597.50 | 7.673 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 09:15:00 | 38 | 2500.0 | 1875.0 | 0.0 | -1875.0 | 75.0 | 1875.00 | 7.673 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 09:30:00 | 39 | 2500.0 | 2065.0 | 0.0 | -2065.0 | 82.6 | 2160.00 | 3.101 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 09:45:00 | 40 | 2500.0 | 2250.0 | 0.0 | -2250.0 | 90.0 | 2437.50 | -3.101 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 10:00:00 | 41 | 2500.0 | 2340.0 | 0.0 | -2340.0 | 93.6 | 2572.50 | -3.101 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 10:15:00 | 42 | 2500.0 | 2425.0 | 0.0 | -2425.0 | 97.0 | 2700.00 | -3.101 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 10:30:00 | 43 | 2500.0 | 2515.0 | 0.0 | -2515.0 | 100.6 | 2835.00 | -1.665 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 10:45:00 | 44 | 2500.0 | 2605.0 | 0.0 | -2605.0 | 104.2 | 2970.00 | 0.000 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 11:00:00 | 45 | 2500.0 | 2935.0 | 0.0 | -2935.0 | 117.4 | 3465.00 | -1.486 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 11:15:00 | 46 | 2500.0 | 3265.0 | 0.0 | -3265.0 | 130.6 | 3960.00 | -1.305 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 11:30:00 | 47 | 2500.0 | 3595.0 | 0.0 | -3595.0 | 143.8 | 4455.00 | -2.425 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 11:45:00 | 48 | 2500.0 | 3925.0 | 0.0 | -3925.0 | 157.0 | 4950.00 | -2.775 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 12:00:00 | 49 | 2500.0 | 4000.0 | 0.0 | -4000.0 | 160.0 | 5062.50 | -2.083 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 12:15:00 | 50 | 2500.0 | 4075.0 | 0.0 | -4075.0 | 163.0 | 5175.00 | -3.242 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 12:30:00 | 51 | 2500.0 | 4100.0 | 0.0 | -4100.0 | 164.0 | 5212.50 | -1.330 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 12:45:00 | 52 | 2500.0 | 4065.0 | 0.0 | -4065.0 | 162.6 | 5160.00 | -0.830 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 13:00:00 | 53 | 2500.0 | 2660.0 | 0.0 | -2660.0 | 106.4 | 3052.50 | 2.775 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 13:15:00 | 54 | 2500.0 | 2665.0 | 0.0 | -2665.0 | 106.6 | 3060.00 | 0.000 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 13:30:00 | 55 | 2500.0 | 2670.0 | 0.0 | -2670.0 | 106.8 | 3067.50 | -1.012 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 13:45:00 | 56 | 2500.0 | 2385.0 | 0.0 | -2385.0 | 95.4 | 2640.00 | -1.087 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 14:00:00 | 57 | 2500.0 | 2100.0 | 0.0 | -2100.0 | 84.0 | 2212.50 | -3.101 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Solar 132kV | 08/01/2020 14:15:00 | 58 | 2500.0 | 1960.0 | 0.0 | -1960.0 | 78.4 | 2002.50 | -4.081 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 14:30:00 | 59 | 2500.0 | 1820.0 | 0.0 | -1820.0 | 72.8 | 1792.50 | -2.996 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 14:45:00 | 60 | 2500.0 | 1670.0 | 0.0 | -1670.0 | 66.8 | 1567.50 | -3.101 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 15:00:00 | 61 | 2500.0 | 1520.0 | 0.0 | -1520.0 | 60.8 | 1342.50 | -1.879 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 15:15:00 | 62 | 2500.0 | 1560.0 | 0.0 | -1560.0 | 62.4 | 1402.50 | -4.081 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 15:30:00 | 63 | 2500.0 | 1595.0 | 0.0 | -1595.0 | 63.8 | 1455.00 | 4.938 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 15:45:00 | 64 | 2500.0 | 1405.0 | 0.0 | -1405.0 | 56.2 | 1170.00 | 4.719 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 16:00:00 | 65 | 2500.0 | 1215.0 | 0.0 | -1215.0 | 48.6 | 885.00 | 0.555 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 16:15:00 | 66 | 2500.0 | 1010.0 | 0.0 | -1010.0 | 40.4 | 577.50 | -4.081 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 16:30:00 | 67 | 2500.0 | 955.0 | 0.0 | -955.0 | 38.2 | 495.00 | -3.754 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 16:45:00 | 68 | 2500.0 | 915.0 | 0.0 | -915.0 | 36.6 | 435.00 | -8.000 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 17:00:00 | 69 | 2500.0 | 705.0 | 0.0 | -705.0 | 28.2 | 205.00 | 0.000 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 17:15:00 | 70 | 2500.0 | 495.0 | 0.0 | -495.0 | 19.8 | 60.00 | 4.081 | 94.953574 |
| Rajpimpri Solar 132kV | 08/01/2020 17:30:00 | 71 | 2500.0 | 285.0 | 0.0 | -285.0 | 11.4 | 0.00 | -5.387 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 17:45:00 | 72 | 2500.0 | 75.0 | 0.0 | -75.0 | 3.0 | 0.00 | -3.101 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 18:00:00 | 73 | 2500.0 | 40.0 | 0.0 | -40.0 | 1.6 | 0.00 | -2.775 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 18:15:00 | 74 | 2500.0 | 20.0 | 0.0 | -20.0 | 0.8 | 0.00 | -3.101 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 18:30:00 | 75 | 2500.0 | 5.0 | 0.0 | -5.0 | 0.2 | 0.00 | -2.220 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 18:45:00 | 76 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.220 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 19:00:00 | 77 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 19:15:00 | 78 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Solar 132kV | 08/01/2020 19:30:00 | 79 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 19:45:00 | 80 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.555 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 20:00:00 | 81 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 20:15:00 | 82 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.101 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 20:30:00 | 83 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.408 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 20:45:00 | 84 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.101 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 21:00:00 | 85 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.101 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 21:15:00 | 86 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.555 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 21:30:00 | 87 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 21:45:00 | 88 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 22:00:00 | 89 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.489 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 22:15:00 | 90 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 22:30:00 | 91 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.223 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 22:45:00 | 92 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 23:00:00 | 93 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 23:15:00 | 94 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 23:30:00 | 95 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Rajpimpri Solar 132kV | 08/01/2020 23:45:00 | 96 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 00:00:00 | 1 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 00:15:00 | 2 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 00:30:00 | 3 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Solar 132kV | 09/01/2020 00:45:00 | 4 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 01:00:00 | 5 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.519 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 01:15:00 | 6 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.519 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 01:30:00 | 7 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.199 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 01:45:00 | 8 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.519 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 02:00:00 | 9 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.519 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 02:15:00 | 10 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.879 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 02:30:00 | 11 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.199 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 02:45:00 | 12 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 03:00:00 | 13 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 03:15:00 | 14 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.839 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 03:30:00 | 15 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.199 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 03:45:00 | 16 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 04:00:00 | 17 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 04:15:00 | 18 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 04:30:00 | 19 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 04:45:00 | 20 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.879 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 05:00:00 | 21 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.839 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 05:15:00 | 22 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.119 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 05:30:00 | 23 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.064 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 05:45:00 | 24 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Solar 132kV | 09/01/2020 06:00:00 | 25 | 2500.0 | 5.0 | 0.0 | -5.0 | 0.2 | 0.00 | -2.303 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 06:15:00 | 26 | 2500.0 | 10.0 | 0.0 | -10.0 | 0.4 | 0.00 | 2.303 | 6.651470 |
| Rajpimpri Solar 132kV | 09/01/2020 06:30:00 | 27 | 2500.0 | 25.0 | 0.0 | -25.0 | 1.0 | 0.00 | -3.839 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 06:45:00 | 28 | 2500.0 | 40.0 | 0.0 | -40.0 | 1.6 | 0.00 | -2.879 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 07:00:00 | 29 | 2500.0 | 240.0 | 0.0 | -240.0 | 9.6 | 0.00 | -2.879 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 07:15:00 | 30 | 2500.0 | 445.0 | 0.0 | -445.0 | 17.8 | 35.00 | 6.400 | 221.390470 |
| Rajpimpri Solar 132kV | 09/01/2020 07:30:00 | 31 | 2500.0 | 645.0 | 0.0 | -645.0 | 25.8 | 145.00 | 1.172 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 07:45:00 | 32 | 2500.0 | 845.0 | 0.0 | -845.0 | 33.8 | 345.00 | 0.576 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 08:00:00 | 33 | 2500.0 | 1180.0 | 0.0 | -1180.0 | 47.2 | 832.50 | -0.576 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 08:15:00 | 34 | 2500.0 | 1515.0 | 0.0 | -1515.0 | 60.6 | 1335.00 | -1.152 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 08:30:00 | 35 | 2500.0 | 1850.0 | 0.0 | -1850.0 | 74.0 | 1837.50 | 0.576 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 08:45:00 | 36 | 2500.0 | 2185.0 | 0.0 | -2185.0 | 87.4 | 2340.00 | 0.000 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 09:00:00 | 37 | 2500.0 | 2490.0 | 0.0 | -2490.0 | 99.6 | 2797.50 | 1.152 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 09:15:00 | 38 | 2500.0 | 2790.0 | 0.0 | -2790.0 | 111.6 | 3247.50 | 1.727 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 09:30:00 | 39 | 2500.0 | 3095.0 | 0.0 | -3095.0 | 123.8 | 3705.00 | -3.839 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 09:45:00 | 40 | 2500.0 | 3400.0 | 0.0 | -3400.0 | 136.0 | 4162.50 | -1.152 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 10:00:00 | 41 | 2500.0 | 3615.0 | 0.0 | -3615.0 | 144.6 | 4485.00 | 0.000 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 10:15:00 | 42 | 2500.0 | 3830.0 | 0.0 | -3830.0 | 153.2 | 4807.50 | 1.727 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 10:30:00 | 43 | 2500.0 | 4045.0 | 0.0 | -4045.0 | 161.8 | 5130.00 | 2.303 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 10:45:00 | 44 | 2500.0 | 4260.0 | 0.0 | -4260.0 | 170.4 | 5452.50 | -1.144 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 11:00:00 | 45 | 2500.0 | 4330.0 | 0.0 | -4330.0 | 173.2 | 5557.50 | -4.479 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Solar 132kV | 09/01/2020 11:15:00 | 46 | 2500.0 | 4405.0 | 0.0 | -4405.0 | 176.2 | 5670.00 | -3.519 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 11:30:00 | 47 | 2500.0 | 4475.0 | 0.0 | -4475.0 | 179.0 | 5775.00 | -2.303 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 11:45:00 | 48 | 2500.0 | 4545.0 | 0.0 | -4545.0 | 181.8 | 5880.00 | -0.576 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 12:00:00 | 49 | 2500.0 | 4140.0 | 0.0 | -4140.0 | 165.6 | 5272.50 | 0.000 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 12:15:00 | 50 | 2500.0 | 4185.0 | 0.0 | -4185.0 | 167.4 | 5340.00 | 3.839 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 12:30:00 | 51 | 2500.0 | 4235.0 | 0.0 | -4235.0 | 169.4 | 5415.00 | 3.199 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 12:45:00 | 52 | 2500.0 | 4280.0 | 0.0 | -4280.0 | 171.2 | 5482.50 | 3.199 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 13:00:00 | 53 | 2500.0 | 4205.0 | 0.0 | -4205.0 | 168.2 | 5370.00 | -1.152 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 13:15:00 | 54 | 2500.0 | 4125.0 | 0.0 | -4125.0 | 165.0 | 5250.00 | -1.152 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 13:30:00 | 55 | 2500.0 | 4055.0 | 0.0 | -4055.0 | 162.2 | 5145.00 | 1.727 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 13:45:00 | 56 | 2500.0 | 3980.0 | 0.0 | -3980.0 | 159.2 | 5032.50 | 3.199 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 14:00:00 | 57 | 2500.0 | 3785.0 | 0.0 | -3785.0 | 151.4 | 4740.00 | 4.345 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 14:15:00 | 58 | 2500.0 | 3595.0 | 0.0 | -3595.0 | 143.8 | 4455.00 | 3.941 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 14:30:00 | 59 | 2500.0 | 3405.0 | 0.0 | -3405.0 | 136.2 | 4170.00 | 1.152 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 14:45:00 | 60 | 2500.0 | 3220.0 | 0.0 | -3220.0 | 128.8 | 3892.50 | -0.576 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 15:00:00 | 61 | 2500.0 | 2950.0 | 0.0 | -2950.0 | 118.0 | 3487.50 | -1.006 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 15:15:00 | 62 | 2500.0 | 2690.0 | 0.0 | -2690.0 | 107.6 | 3097.50 | 3.199 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 15:30:00 | 63 | 2500.0 | 2425.0 | 0.0 | -2425.0 | 97.0 | 2700.00 | 2.879 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 15:45:00 | 64 | 2500.0 | 2165.0 | 0.0 | -2165.0 | 86.6 | 2310.00 | 3.839 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 16:00:00 | 65 | 2500.0 | 1865.0 | 0.0 | -1865.0 | 74.6 | 1860.00 | 1.727 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 16:15:00 | 66 | 2500.0 | 1560.0 | 0.0 | -1560.0 | 62.4 | 1402.50 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Solar 132kV | 09/01/2020 16:30:00 | 67 | 2500.0 | 1260.0 | 0.0 | -1260.0 | 50.4 | 952.50 | -4.159 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 16:45:00 | 68 | 2500.0 | 960.0 | 0.0 | -960.0 | 38.4 | 502.50 | 3.839 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 17:00:00 | 69 | 2500.0 | 740.0 | 0.0 | -740.0 | 29.6 | 240.00 | 1.727 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 17:15:00 | 70 | 2500.0 | 520.0 | 0.0 | -520.0 | 20.8 | 72.50 | 3.839 | 178.732204 |
| Rajpimpri Solar 132kV | 09/01/2020 17:30:00 | 71 | 2500.0 | 300.0 | 0.0 | -300.0 | 12.0 | 0.00 | -2.879 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 17:45:00 | 72 | 2500.0 | 85.0 | 0.0 | -85.0 | 3.4 | 0.00 | -4.146 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 18:00:00 | 73 | 2500.0 | 50.0 | 0.0 | -50.0 | 2.0 | 0.00 | -3.349 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 18:15:00 | 74 | 2500.0 | 25.0 | 0.0 | -25.0 | 1.0 | 0.00 | -4.563 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 18:30:00 | 75 | 2500.0 | 5.0 | 0.0 | -5.0 | 0.2 | 0.00 | -3.839 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 18:45:00 | 76 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 19:00:00 | 77 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.199 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 19:15:00 | 78 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 19:30:00 | 79 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.442 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 19:45:00 | 80 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.286 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 20:00:00 | 81 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.070 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 20:15:00 | 82 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.236 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 20:30:00 | 83 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.799 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 20:45:00 | 84 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 21:00:00 | 85 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 21:15:00 | 86 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 21:30:00 | 87 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Solar 132kV | 09/01/2020 21:45:00 | 88 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.303 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 22:00:00 | 89 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.795 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 22:15:00 | 90 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.674 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 22:30:00 | 91 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.303 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 22:45:00 | 92 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.152 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 23:00:00 | 93 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 23:15:00 | 94 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 23:30:00 | 95 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Rajpimpri Solar 132kV | 09/01/2020 23:45:00 | 96 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.987 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 00:00:00 | 1 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.680 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 00:15:00 | 2 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.326 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 00:30:00 | 3 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.992 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 00:45:00 | 4 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.532 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 01:00:00 | 5 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.713 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 01:15:00 | 6 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.548 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 01:30:00 | 7 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 01:45:00 | 8 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 02:00:00 | 9 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.342 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 02:15:00 | 10 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.595 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 02:30:00 | 11 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.326 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 02:45:00 | 12 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Solar 132kV | 10/01/2020 03:00:00 | 13 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.658 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 03:15:00 | 14 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 03:30:00 | 15 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 03:45:00 | 16 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.063 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 04:00:00 | 17 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.595 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 04:15:00 | 18 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.326 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 04:30:00 | 19 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.326 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 04:45:00 | 20 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 05:00:00 | 21 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.992 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 05:15:00 | 22 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.063 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 05:30:00 | 23 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 05:45:00 | 24 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 06:00:00 | 25 | 2500.0 | 5.0 | 0.0 | -5.0 | 0.2 | 0.00 | -2.127 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 06:15:00 | 26 | 2500.0 | 10.0 | 0.0 | -10.0 | 0.4 | 0.00 | 2.658 | 2.536884 |
| Rajpimpri Solar 132kV | 10/01/2020 06:30:00 | 27 | 2500.0 | 25.0 | 0.0 | -25.0 | 1.0 | 0.00 | -2.992 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 06:45:00 | 28 | 2500.0 | 40.0 | 0.0 | -40.0 | 1.6 | 0.00 | -3.077 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 07:00:00 | 29 | 2500.0 | 230.0 | 0.0 | -230.0 | 9.2 | 0.00 | -0.687 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 07:15:00 | 30 | 2500.0 | 425.0 | 0.0 | -425.0 | 17.0 | 25.00 | -2.658 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 07:30:00 | 31 | 2500.0 | 615.0 | 0.0 | -615.0 | 24.6 | 120.00 | -1.063 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 07:45:00 | 32 | 2500.0 | 810.0 | 0.0 | -810.0 | 32.4 | 310.00 | -2.658 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 08:00:00 | 33 | 2500.0 | 1150.0 | 0.0 | -1150.0 | 46.0 | 787.50 | -4.328 | 0.000000 |

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| Rajpimpri Solar 132kV | 10/01/2020 08:15:00 | 34 | 2500.0 | 1490.0 | 0.0 | -1490.0 | 59.6 | 1297.50 | -4.661 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 08:30:00 | 35 | 2500.0 | 1830.0 | 0.0 | -1830.0 | 73.2 | 1807.50 | 5.663 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 08:45:00 | 36 | 2500.0 | 2170.0 | 0.0 | -2170.0 | 86.8 | 2317.50 | 4.328 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 09:00:00 | 37 | 2500.0 | 2475.0 | 0.0 | -2475.0 | 99.0 | 2775.00 | -4.995 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 09:15:00 | 38 | 2500.0 | 2780.0 | 0.0 | -2780.0 | 111.2 | 3232.50 | -4.327 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 09:30:00 | 39 | 2500.0 | 3085.0 | 0.0 | -3085.0 | 123.4 | 3690.00 | -2.127 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 09:45:00 | 40 | 2500.0 | 2985.0 | 0.0 | -2985.0 | 119.4 | 3540.00 | -1.152 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 10:00:00 | 41 | 2500.0 | 3175.0 | 0.0 | -3175.0 | 127.0 | 3825.00 | 0.000 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 10:15:00 | 42 | 2500.0 | 3375.0 | 0.0 | -3375.0 | 135.0 | 4125.00 | -0.532 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 10:30:00 | 43 | 2500.0 | 3575.0 | 0.0 | -3575.0 | 143.0 | 4425.00 | -1.063 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 10:45:00 | 44 | 2500.0 | 3770.0 | 0.0 | -3770.0 | 150.8 | 4717.50 | 0.000 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 11:00:00 | 45 | 2500.0 | 3875.0 | 0.0 | -3875.0 | 155.0 | 4875.00 | 2.658 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 11:15:00 | 46 | 2500.0 | 3980.0 | 0.0 | -3980.0 | 159.2 | 5032.50 | 0.000 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 11:30:00 | 47 | 2500.0 | 4090.0 | 0.0 | -4090.0 | 163.6 | 5197.50 | -1.595 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 11:45:00 | 48 | 2500.0 | 4200.0 | 0.0 | -4200.0 | 168.0 | 5362.50 | 2.992 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 12:00:00 | 49 | 2500.0 | 4205.0 | 0.0 | -4205.0 | 168.2 | 5370.00 | 0.000 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 12:15:00 | 50 | 2500.0 | 4210.0 | 0.0 | -4210.0 | 168.4 | 5377.50 | 2.127 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 12:30:00 | 51 | 2500.0 | 4220.0 | 0.0 | -4220.0 | 168.8 | 5392.50 | 1.595 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 12:45:00 | 52 | 2500.0 | 4230.0 | 0.0 | -4230.0 | 169.2 | 5407.50 | -1.063 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 13:00:00 | 53 | 2500.0 | 4135.0 | 0.0 | -4135.0 | 165.4 | 5265.00 | 2.658 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 13:15:00 | 54 | 2500.0 | 4045.0 | 0.0 | -4045.0 | 161.8 | 5130.00 | 2.658 | 0.000000 |

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| Rajpimpri Solar 132kV | 10/01/2020 13:30:00 | 55 | 2500.0 | 3950.0 | 0.0 | -3950.0 | 158.0 | 4987.50 | 2.127 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 13:45:00 | 56 | 2500.0 | 3860.0 | 0.0 | -3860.0 | 154.4 | 4852.50 | -3.326 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 14:00:00 | 57 | 2500.0 | 3665.0 | 0.0 | -3665.0 | 146.6 | 4560.00 | -2.992 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 14:15:00 | 58 | 2500.0 | 3470.0 | 0.0 | -3470.0 | 138.8 | 4267.50 | 3.660 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 14:30:00 | 59 | 2500.0 | 3280.0 | 0.0 | -3280.0 | 131.2 | 3982.50 | -2.127 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 14:45:00 | 60 | 2500.0 | 3085.0 | 0.0 | -3085.0 | 123.4 | 3690.00 | -2.127 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 15:00:00 | 61 | 2500.0 | 2840.0 | 0.0 | -2840.0 | 113.6 | 3322.50 | 0.000 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 15:15:00 | 62 | 2500.0 | 2595.0 | 0.0 | -2595.0 | 103.8 | 2955.00 | -2.992 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 15:30:00 | 63 | 2500.0 | 2350.0 | 0.0 | -2350.0 | 94.0 | 2587.50 | -4.995 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 15:45:00 | 64 | 2500.0 | 2105.0 | 0.0 | -2105.0 | 84.2 | 2220.00 | -4.327 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 16:00:00 | 65 | 2500.0 | 1805.0 | 0.0 | -1805.0 | 72.2 | 1770.00 | -4.995 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 16:15:00 | 66 | 2500.0 | 1505.0 | 0.0 | -1505.0 | 60.2 | 1320.00 | -8.000 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 16:30:00 | 67 | 2500.0 | 1205.0 | 0.0 | -1205.0 | 48.2 | 870.00 | -8.000 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 16:45:00 | 68 | 2500.0 | 905.0 | 0.0 | -905.0 | 36.2 | 420.00 | 4.327 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 17:00:00 | 69 | 2500.0 | 700.0 | 0.0 | -700.0 | 28.0 | 200.00 | 0.532 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 17:15:00 | 70 | 2500.0 | 495.0 | 0.0 | -495.0 | 19.8 | 60.00 | -1.595 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 17:30:00 | 71 | 2500.0 | 290.0 | 0.0 | -290.0 | 11.6 | 0.00 | -2.658 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 17:45:00 | 72 | 2500.0 | 85.0 | 0.0 | -85.0 | 3.4 | 0.00 | -2.127 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 18:00:00 | 73 | 2500.0 | 50.0 | 0.0 | -50.0 | 2.0 | 0.00 | -1.461 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 18:15:00 | 74 | 2500.0 | 20.0 | 0.0 | -20.0 | 0.8 | 0.00 | 3.326 | 7.028330 |
| Rajpimpri Solar 132kV | 10/01/2020 18:30:00 | 75 | 2500.0 | 5.0 | 0.0 | -5.0 | 0.2 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Solar 132kV | 10/01/2020 18:45:00 | 76 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.994 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 19:00:00 | 77 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.127 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 19:15:00 | 78 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 19:30:00 | 79 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.660 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 19:45:00 | 80 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.326 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 20:00:00 | 81 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.660 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 20:15:00 | 82 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.660 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 20:30:00 | 83 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.995 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 20:45:00 | 84 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.992 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 21:00:00 | 85 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.660 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 21:15:00 | 86 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.595 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 21:30:00 | 87 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.063 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 21:45:00 | 88 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.532 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 22:00:00 | 89 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.595 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 22:15:00 | 90 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.127 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 22:30:00 | 91 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.063 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 22:45:00 | 92 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 23:00:00 | 93 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 23:15:00 | 94 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 23:30:00 | 95 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Rajpimpri Solar 132kV | 10/01/2020 23:45:00 | 96 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Solar 132kV | 11/01/2020 00:00:00 | 1 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 00:15:00 | 2 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.629 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 00:30:00 | 3 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.577 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 00:45:00 | 4 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.103 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 01:00:00 | 5 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 01:15:00 | 6 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.052 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 01:30:00 | 7 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.577 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 01:45:00 | 8 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.526 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 02:00:00 | 9 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.403 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 02:15:00 | 10 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.630 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 02:30:00 | 11 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.526 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 02:45:00 | 12 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.526 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 03:00:00 | 13 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.051 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 03:15:00 | 14 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 03:30:00 | 15 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 03:45:00 | 16 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 04:00:00 | 17 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 04:15:00 | 18 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.051 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 04:30:00 | 19 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.964 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 04:45:00 | 20 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.300 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 05:00:00 | 21 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Solar 132kV | 11/01/2020 05:15:00 | 22 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.314 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 05:30:00 | 23 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 05:45:00 | 24 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.103 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 06:00:00 | 25 | 2500.0 | 5.0 | 0.0 | -5.0 | 0.2 | 0.00 | 3.636 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 06:15:00 | 26 | 2500.0 | 10.0 | 0.0 | -10.0 | 0.4 | 0.00 | 2.964 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 06:30:00 | 27 | 2500.0 | 25.0 | 0.0 | -25.0 | 1.0 | 0.00 | 4.105 | 18.365767 |
| Rajpimpri Solar 132kV | 11/01/2020 06:45:00 | 28 | 2500.0 | 40.0 | 0.0 | -40.0 | 1.6 | 0.00 | 5.650 | 6.186092 |
| Rajpimpri Solar 132kV | 11/01/2020 07:00:00 | 29 | 2500.0 | 230.0 | 0.0 | -230.0 | 9.2 | 0.00 | 3.300 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 07:15:00 | 30 | 2500.0 | 425.0 | 0.0 | -425.0 | 17.0 | 25.00 | 5.314 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 07:30:00 | 31 | 2500.0 | 615.0 | 0.0 | -615.0 | 24.6 | 120.00 | 2.964 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 07:45:00 | 32 | 2500.0 | 810.0 | 0.0 | -810.0 | 32.4 | 310.00 | 2.103 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 08:00:00 | 33 | 2500.0 | 1150.0 | 0.0 | -1150.0 | 46.0 | 787.50 | -1.577 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 08:15:00 | 34 | 2500.0 | 1490.0 | 0.0 | -1490.0 | 59.6 | 1297.50 | 3.300 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 08:30:00 | 35 | 2500.0 | 1830.0 | 0.0 | -1830.0 | 73.2 | 1807.50 | 2.116 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 08:45:00 | 36 | 2500.0 | 1335.0 | 0.0 | -1335.0 | 53.4 | 1065.00 | 2.964 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 09:00:00 | 37 | 2500.0 | 1785.0 | 0.0 | -1785.0 | 71.4 | 1740.00 | 6.681 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 09:15:00 | 38 | 2500.0 | 2090.0 | 0.0 | -2090.0 | 83.6 | 2197.50 | 6.657 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 09:30:00 | 39 | 2500.0 | 2375.0 | 0.0 | -2375.0 | 95.0 | 2625.00 | -6.322 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 09:45:00 | 40 | 2500.0 | 2655.0 | 0.0 | -2655.0 | 106.2 | 3045.00 | -2.103 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 10:00:00 | 41 | 2500.0 | 2900.0 | 0.0 | -2900.0 | 116.0 | 3412.50 | 0.526 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 10:15:00 | 42 | 2500.0 | 3095.0 | 0.0 | -3095.0 | 123.8 | 3705.00 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Solar 132kV | 11/01/2020 10:30:00 | 43 | 2500.0 | 3265.0 | 0.0 | -3265.0 | 130.6 | 3960.00 | 0.000 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 10:45:00 | 44 | 2500.0 | 3425.0 | 0.0 | -3425.0 | 137.0 | 4200.00 | 0.000 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 11:00:00 | 45 | 2500.0 | 3555.0 | 0.0 | -3555.0 | 142.2 | 4395.00 | 0.000 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 11:15:00 | 46 | 2500.0 | 3635.0 | 0.0 | -3635.0 | 145.4 | 4515.00 | -2.964 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 11:30:00 | 47 | 2500.0 | 3715.0 | 0.0 | -3715.0 | 148.6 | 4635.00 | -4.307 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 11:45:00 | 48 | 2500.0 | 3760.0 | 0.0 | -3760.0 | 150.4 | 4702.50 | -3.300 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 12:00:00 | 49 | 2500.0 | 3760.0 | 0.0 | -3760.0 | 150.4 | 4702.50 | -0.526 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 12:15:00 | 50 | 2500.0 | 3760.0 | 0.0 | -3760.0 | 150.4 | 4702.50 | -2.103 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 12:30:00 | 51 | 2500.0 | 3765.0 | 0.0 | -3765.0 | 150.6 | 4710.00 | -2.629 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 12:45:00 | 52 | 2500.0 | 3750.0 | 0.0 | -3750.0 | 150.0 | 4687.50 | -2.629 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 13:00:00 | 53 | 2500.0 | 3685.0 | 0.0 | -3685.0 | 147.4 | 4590.00 | 0.000 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 13:15:00 | 54 | 2500.0 | 3610.0 | 0.0 | -3610.0 | 144.4 | 4477.50 | -2.103 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 13:30:00 | 55 | 2500.0 | 3540.0 | 0.0 | -3540.0 | 141.6 | 4372.50 | 2.629 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 13:45:00 | 56 | 2500.0 | 3395.0 | 0.0 | -3395.0 | 135.8 | 4155.00 | 2.103 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 14:00:00 | 57 | 2500.0 | 3275.0 | 0.0 | -3275.0 | 131.0 | 3975.00 | 1.051 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 14:15:00 | 58 | 2500.0 | 3120.0 | 0.0 | -3120.0 | 124.8 | 3742.50 | 3.300 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 14:30:00 | 59 | 2500.0 | 2900.0 | 0.0 | -2900.0 | 116.0 | 3412.50 | -3.636 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 14:45:00 | 60 | 2500.0 | 2755.0 | 0.0 | -2755.0 | 110.2 | 3195.00 | 4.979 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 15:00:00 | 61 | 2500.0 | 2570.0 | 0.0 | -2570.0 | 102.8 | 2917.50 | -2.964 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 15:15:00 | 62 | 2500.0 | 2325.0 | 0.0 | -2325.0 | 93.0 | 2550.00 | -5.314 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 15:30:00 | 63 | 2500.0 | 2100.0 | 0.0 | -2100.0 | 84.0 | 2212.50 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Solar 132kV | 11/01/2020 15:45:00 | 64 | 2500.0 | 1805.0 | 0.0 | -1805.0 | 72.2 | 1770.00 | 4.643 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 16:00:00 | 65 | 2500.0 | 1465.0 | 0.0 | -1465.0 | 58.6 | 1260.00 | 2.103 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 16:15:00 | 66 | 2500.0 | 1265.0 | 0.0 | -1265.0 | 50.6 | 960.00 | -2.964 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 16:30:00 | 67 | 2500.0 | 1020.0 | 0.0 | -1020.0 | 40.8 | 592.50 | -2.103 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 16:45:00 | 68 | 2500.0 | 725.0 | 0.0 | -725.0 | 29.0 | 225.00 | 3.972 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 17:00:00 | 69 | 2500.0 | 495.0 | 0.0 | -495.0 | 19.8 | 60.00 | -1.577 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 17:15:00 | 70 | 2500.0 | 300.0 | 0.0 | -300.0 | 12.0 | 0.00 | -1.577 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 17:30:00 | 71 | 2500.0 | 145.0 | 0.0 | -145.0 | 5.8 | 0.00 | 1.051 | 1.850104 |
| Rajpimpri Solar 132kV | 11/01/2020 17:45:00 | 72 | 2500.0 | 15.0 | 0.0 | -15.0 | 0.6 | 0.00 | -2.103 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 18:00:00 | 73 | 2500.0 | 50.0 | 0.0 | -50.0 | 2.0 | 0.00 | -2.964 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 18:15:00 | 74 | 2500.0 | 25.0 | 0.0 | -25.0 | 1.0 | 0.00 | -2.629 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 18:30:00 | 75 | 2500.0 | 5.0 | 0.0 | -5.0 | 0.2 | 0.00 | 2.103 | 0.175763 |
| Rajpimpri Solar 132kV | 11/01/2020 18:45:00 | 76 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.526 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 19:00:00 | 77 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.103 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 19:15:00 | 78 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.052 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 19:30:00 | 79 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 19:45:00 | 80 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.629 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 20:00:00 | 81 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.629 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 20:15:00 | 82 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.307 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 20:30:00 | 83 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 20:45:00 | 84 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.629 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Solar 132kV | 11/01/2020 21:00:00 | 85 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.636 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 21:15:00 | 86 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.577 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 21:30:00 | 87 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.577 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 21:45:00 | 88 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.052 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 22:00:00 | 89 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.650 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 22:15:00 | 90 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.650 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 22:30:00 | 91 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.979 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 22:45:00 | 92 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 23:00:00 | 93 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.577 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 23:15:00 | 94 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.074 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 23:30:00 | 95 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.113 | 0.000000 |
| Rajpimpri Solar 132kV | 11/01/2020 23:45:00 | 96 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.162 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 00:00:00 | 1 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 00:15:00 | 2 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 00:30:00 | 3 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 00:45:00 | 4 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 01:00:00 | 5 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.629 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 01:15:00 | 6 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.317 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 01:30:00 | 7 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.354 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 01:45:00 | 8 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 02:00:00 | 9 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Solar 132kV | 12/01/2020 02:15:00 | 10 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 02:30:00 | 11 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.690 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 02:45:00 | 12 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 03:00:00 | 13 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.354 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 03:15:00 | 14 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 03:30:00 | 15 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.354 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 03:45:00 | 16 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 04:00:00 | 17 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 04:15:00 | 18 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 04:30:00 | 19 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.076 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 04:45:00 | 20 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 05:00:00 | 21 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.686 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 05:15:00 | 22 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.686 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 05:30:00 | 23 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.614 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 05:45:00 | 24 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.496 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 06:00:00 | 25 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 06:15:00 | 26 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.430 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 06:30:00 | 27 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 06:45:00 | 28 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.681 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 07:00:00 | 29 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.614 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 07:15:00 | 30 | 2500.0 | 80.0 | 0.0 | -80.0 | 3.2 | 0.00 | 3.838 | 66.212514 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Solar 132kV | 12/01/2020 07:30:00 | 31 | 2500.0 | 205.0 | 0.0 | -205.0 | 8.2 | 0.00 | 3.022 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 07:45:00 | 32 | 2500.0 | 365.0 | 0.0 | -365.0 | 14.6 | 0.00 | 2.690 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 08:00:00 | 33 | 2500.0 | 520.0 | 0.0 | -520.0 | 20.8 | 72.50 | -2.690 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 08:15:00 | 34 | 2500.0 | 645.0 | 0.0 | -645.0 | 25.8 | 145.00 | -4.018 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 08:30:00 | 35 | 2500.0 | 1005.0 | 0.0 | -1005.0 | 40.2 | 570.00 | -2.690 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 08:45:00 | 36 | 2500.0 | 1315.0 | 0.0 | -1315.0 | 52.6 | 1035.00 | 3.022 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 09:00:00 | 37 | 2500.0 | 1785.0 | 0.0 | -1785.0 | 71.4 | 1740.00 | -3.354 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 09:15:00 | 38 | 2500.0 | 2090.0 | 0.0 | -2090.0 | 83.6 | 2197.50 | -4.350 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 09:30:00 | 39 | 2500.0 | 2375.0 | 0.0 | -2375.0 | 95.0 | 2625.00 | 2.152 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 09:45:00 | 40 | 2500.0 | 2655.0 | 0.0 | -2655.0 | 106.2 | 3045.00 | -2.690 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 10:00:00 | 41 | 2500.0 | 2900.0 | 0.0 | -2900.0 | 116.0 | 3412.50 | -3.354 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 10:15:00 | 42 | 2500.0 | 3095.0 | 0.0 | -3095.0 | 123.8 | 3705.00 | -3.686 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 10:30:00 | 43 | 2500.0 | 3265.0 | 0.0 | -3265.0 | 130.6 | 3960.00 | -1.614 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 10:45:00 | 44 | 2500.0 | 3425.0 | 0.0 | -3425.0 | 137.0 | 4200.00 | 3.686 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 11:00:00 | 45 | 2500.0 | 3555.0 | 0.0 | -3555.0 | 142.2 | 4395.00 | -3.354 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 11:15:00 | 46 | 2500.0 | 3635.0 | 0.0 | -3635.0 | 145.4 | 4515.00 | -5.450 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 11:30:00 | 47 | 2500.0 | 3715.0 | 0.0 | -3715.0 | 148.6 | 4635.00 | -6.009 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 11:45:00 | 48 | 2500.0 | 3760.0 | 0.0 | -3760.0 | 150.4 | 4702.50 | 2.690 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 12:00:00 | 49 | 2500.0 | 3760.0 | 0.0 | -3760.0 | 150.4 | 4702.50 | 3.686 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 12:15:00 | 50 | 2500.0 | 3760.0 | 0.0 | -3760.0 | 150.4 | 4702.50 | -5.345 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 12:30:00 | 51 | 2500.0 | 3765.0 | 0.0 | -3765.0 | 150.6 | 4710.00 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Solar 132kV | 12/01/2020 12:45:00 | 52 | 2500.0 | 3750.0 | 0.0 | -3750.0 | 150.0 | 4687.50 | -5.345 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 13:00:00 | 53 | 2500.0 | 3685.0 | 0.0 | -3685.0 | 147.4 | 4590.00 | -3.999 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 13:15:00 | 54 | 2500.0 | 3610.0 | 0.0 | -3610.0 | 144.4 | 4477.50 | -4.350 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 13:30:00 | 55 | 2500.0 | 3540.0 | 0.0 | -3540.0 | 141.6 | 4372.50 | -1.076 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 13:45:00 | 56 | 2500.0 | 3395.0 | 0.0 | -3395.0 | 135.8 | 4155.00 | -2.690 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 14:00:00 | 57 | 2500.0 | 3275.0 | 0.0 | -3275.0 | 131.0 | 3975.00 | -0.538 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 14:15:00 | 58 | 2500.0 | 3120.0 | 0.0 | -3120.0 | 124.8 | 3742.50 | -2.152 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 14:30:00 | 59 | 2500.0 | 3075.0 | 0.0 | -3075.0 | 123.0 | 3675.00 | -2.690 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 14:45:00 | 60 | 2500.0 | 2920.0 | 0.0 | -2920.0 | 116.8 | 3442.50 | -1.076 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 15:00:00 | 61 | 2500.0 | 2725.0 | 0.0 | -2725.0 | 109.0 | 3150.00 | 0.000 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 15:15:00 | 62 | 2500.0 | 2465.0 | 0.0 | -2465.0 | 98.6 | 2760.00 | -2.690 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 15:30:00 | 63 | 2500.0 | 2225.0 | 0.0 | -2225.0 | 89.0 | 2400.00 | -3.022 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 15:45:00 | 64 | 2500.0 | 1915.0 | 0.0 | -1915.0 | 76.6 | 1935.00 | -3.686 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 16:00:00 | 65 | 2500.0 | 1555.0 | 0.0 | -1555.0 | 62.2 | 1395.00 | -3.737 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 16:15:00 | 66 | 2500.0 | 1340.0 | 0.0 | -1340.0 | 53.6 | 1072.50 | -5.786 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 16:30:00 | 67 | 2500.0 | 1080.0 | 0.0 | -1080.0 | 43.2 | 682.50 | -4.350 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 16:45:00 | 68 | 2500.0 | 770.0 | 0.0 | -770.0 | 30.8 | 270.00 | -1.614 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 17:00:00 | 69 | 2500.0 | 525.0 | 0.0 | -525.0 | 21.0 | 75.00 | 0.000 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 17:15:00 | 70 | 2500.0 | 320.0 | 0.0 | -320.0 | 12.8 | 0.00 | 2.690 | 82.961210 |
| Rajpimpri Solar 132kV | 12/01/2020 17:30:00 | 71 | 2500.0 | 155.0 | 0.0 | -155.0 | 6.2 | 0.00 | -3.022 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 17:45:00 | 72 | 2500.0 | 15.0 | 0.0 | -15.0 | 0.6 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Solar 132kV | 12/01/2020 18:00:00 | 73 | 2500.0 | 55.0 | 0.0 | -55.0 | 2.2 | 0.00 | -0.538 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 18:15:00 | 74 | 2500.0 | 25.0 | 0.0 | -25.0 | 1.0 | 0.00 | -4.350 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 18:30:00 | 75 | 2500.0 | 5.0 | 0.0 | -5.0 | 0.2 | 0.00 | 2.690 | 0.859835 |
| Rajpimpri Solar 132kV | 12/01/2020 18:45:00 | 76 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 19:00:00 | 77 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.686 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 19:15:00 | 78 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.690 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 19:30:00 | 79 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 19:45:00 | 80 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.781 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 20:00:00 | 81 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.021 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 20:15:00 | 82 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.018 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 20:30:00 | 83 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.354 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 20:45:00 | 84 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.614 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 21:00:00 | 85 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.350 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 21:15:00 | 86 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.686 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 21:30:00 | 87 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.614 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 21:45:00 | 88 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 22:00:00 | 89 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.354 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 22:15:00 | 90 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.350 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 22:30:00 | 91 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.215 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 22:45:00 | 92 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 23:00:00 | 93 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Solar 132kV | 12/01/2020 23:15:00 | 94 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 23:30:00 | 95 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Rajpimpri Solar 132kV | 12/01/2020 23:45:00 | 96 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 00:00:00 | 1 | 20000.0 | 17825.0 | 13280.0 | -4545.0 | 22.73 | 772.50 | 2.903 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 00:15:00 | 2 | 20000.0 | 17060.0 | 12170.0 | -4890.0 | 24.45 | 945.00 | 0.000 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 00:30:00 | 3 | 20000.0 | 16835.0 | 11320.0 | -5515.0 | 27.57 | 1515.00 | 0.000 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 00:45:00 | 4 | 20000.0 | 16245.0 | 11780.0 | -4465.0 | 22.32 | 732.50 | -0.984 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 01:00:00 | 5 | 20000.0 | 24625.0 | 11560.0 | -13065.0 | 65.33 | 12097.50 | -3.541 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 01:15:00 | 6 | 20000.0 | 24425.0 | 12390.0 | -12035.0 | 60.17 | 10552.50 | 3.222 | 288.933464 |
| Rajpimpri Wind 132kV | 06/01/2020 01:30:00 | 7 | 20000.0 | 24075.0 | 13000.0 | -11075.0 | 55.38 | 9112.50 | 3.541 | 2988.947022 |
| Rajpimpri Wind 132kV | 06/01/2020 01:45:00 | 8 | 20000.0 | 23310.0 | 13550.0 | -9760.0 | 48.8 | 7140.00 | 2.352 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 02:00:00 | 9 | 20000.0 | 23085.0 | 13320.0 | -9765.0 | 48.83 | 7147.50 | 1.747 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 02:15:00 | 10 | 20000.0 | 22495.0 | 13090.0 | -9405.0 | 47.02 | 6607.50 | 0.581 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 02:30:00 | 11 | 20000.0 | 22625.0 | 13970.0 | -8655.0 | 43.28 | 5482.50 | -2.323 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 02:45:00 | 12 | 20000.0 | 22425.0 | 13760.0 | -8665.0 | 43.33 | 5497.50 | 2.323 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 03:00:00 | 13 | 20000.0 | 22075.0 | 13800.0 | -8275.0 | 41.38 | 4912.50 | 2.323 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 03:15:00 | 14 | 20000.0 | 21310.0 | 13010.0 | -8300.0 | 41.5 | 4950.00 | -1.742 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 03:30:00 | 15 | 20000.0 | 21085.0 | 12650.0 | -8435.0 | 42.18 | 5152.50 | 3.222 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 03:45:00 | 16 | 20000.0 | 20495.0 | 11940.0 | -8555.0 | 42.77 | 5332.50 | 3.541 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 04:00:00 | 17 | 20000.0 | 26625.0 | 12570.0 | -14055.0 | 70.28 | 13582.50 | 4.496 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 04:15:00 | 18 | 20000.0 | 26425.0 | 12240.0 | -14185.0 | 70.93 | 13777.50 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Wind 132kV | 06/01/2020 04:30:00 | 19 | 20000.0 | 26075.0 | 12010.0 | -14065.0 | 70.33 | 13597.50 | 3.859 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 04:45:00 | 20 | 20000.0 | 25310.0 | 11250.0 | -14060.0 | 70.3 | 13590.00 | 4.815 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 05:00:00 | 21 | 20000.0 | 25085.0 | 10030.0 | -15055.0 | 75.28 | 15082.50 | 3.859 | 6602.835638 |
| Rajpimpri Wind 132kV | 06/01/2020 05:15:00 | 22 | 20000.0 | 24495.0 | 7490.0 | -17005.0 | 85.02 | 18007.50 | 6.407 | 13464.289437 |
| Rajpimpri Wind 132kV | 06/01/2020 05:30:00 | 23 | 20000.0 | 26625.0 | 6030.0 | -20595.0 | 102.97 | 23392.50 | 6.496 | 24140.817531 |
| Rajpimpri Wind 132kV | 06/01/2020 05:45:00 | 24 | 20000.0 | 26425.0 | 5080.0 | -21345.0 | 106.73 | 24517.50 | 7.492 | 13521.012123 |
| Rajpimpri Wind 132kV | 06/01/2020 06:00:00 | 25 | 20000.0 | 26075.0 | 5280.0 | -20795.0 | 103.97 | 23692.50 | -5.452 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 06:15:00 | 26 | 20000.0 | 25310.0 | 6240.0 | -19070.0 | 95.35 | 21105.00 | -6.089 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 06:30:00 | 27 | 20000.0 | 25085.0 | 6230.0 | -18855.0 | 94.27 | 20782.50 | -7.044 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 06:45:00 | 28 | 20000.0 | 24995.0 | 5020.0 | -19975.0 | 99.88 | 22462.50 | 7.682 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 07:00:00 | 29 | 20000.0 | 19555.0 | 4730.0 | -14825.0 | 74.12 | 14737.50 | -3.859 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 07:15:00 | 30 | 20000.0 | 19390.0 | 5260.0 | -14130.0 | 70.65 | 13695.00 | 4.815 | 7015.800799 |
| Rajpimpri Wind 132kV | 06/01/2020 07:30:00 | 31 | 20000.0 | 18780.0 | 6250.0 | -12530.0 | 62.65 | 11295.00 | 4.178 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 07:45:00 | 32 | 20000.0 | 18140.0 | 6480.0 | -11660.0 | 58.3 | 9990.00 | -3.540 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 08:00:00 | 33 | 20000.0 | 16070.0 | 5070.0 | -11000.0 | 55.0 | 9000.00 | -3.859 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 08:15:00 | 34 | 20000.0 | 15325.0 | 4740.0 | -10585.0 | 52.92 | 8377.50 | -5.452 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 08:30:00 | 35 | 20000.0 | 14640.0 | 4760.0 | -9880.0 | 49.4 | 7320.00 | 4.178 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 08:45:00 | 36 | 20000.0 | 14030.0 | 3580.0 | -10450.0 | 52.25 | 8175.00 | -3.859 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 09:00:00 | 37 | 20000.0 | 8415.0 | 2680.0 | -5735.0 | 28.68 | 1735.00 | -6.407 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 09:15:00 | 38 | 20000.0 | 8040.0 | 2910.0 | -5130.0 | 25.65 | 1130.00 | -8.000 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 09:30:00 | 39 | 20000.0 | 7590.0 | 3420.0 | -4170.0 | 20.85 | 585.00 | -5.770 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Wind 132kV | 06/01/2020 09:45:00 | 40 | 20000.0 | 7220.0 | 2730.0 | -4490.0 | 22.45 | 745.00 | 3.222 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 10:00:00 | 41 | 20000.0 | 8030.0 | 3390.0 | -4640.0 | 23.2 | 820.00 | -2.903 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 10:15:00 | 42 | 20000.0 | 7740.0 | 3260.0 | -4480.0 | 22.4 | 740.00 | -3.222 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 10:30:00 | 43 | 20000.0 | 7270.0 | 3060.0 | -4210.0 | 21.05 | 605.00 | 4.815 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 10:45:00 | 44 | 20000.0 | 5015.0 | 2980.0 | -2035.0 | 10.17 | 0.00 | 4.496 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 11:00:00 | 45 | 20000.0 | 5330.0 | 3210.0 | -2120.0 | 10.6 | 0.00 | 16.000 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 11:15:00 | 46 | 20000.0 | 5030.0 | 3470.0 | -1560.0 | 7.8 | 0.00 | 5.133 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 11:30:00 | 47 | 20000.0 | 5445.0 | 3250.0 | -2195.0 | 10.97 | 0.00 | 1.182 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 11:45:00 | 48 | 20000.0 | 5370.0 | 3270.0 | -2100.0 | 10.5 | 0.00 | 6.308 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 12:00:00 | 49 | 20000.0 | 5155.0 | 3740.0 | -1415.0 | 7.07 | 0.00 | 6.598 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 12:15:00 | 50 | 20000.0 | 5125.0 | 3650.0 | -1475.0 | 7.38 | 0.00 | 5.431 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 12:30:00 | 51 | 20000.0 | 5345.0 | 3140.0 | -2205.0 | 11.03 | 0.00 | 3.540 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 12:45:00 | 52 | 20000.0 | 5445.0 | 2440.0 | -3005.0 | 15.02 | 2.50 | -2.903 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 13:00:00 | 53 | 20000.0 | 5370.0 | 2060.0 | -3310.0 | 16.55 | 155.00 | -1.161 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 13:15:00 | 54 | 20000.0 | 5155.0 | 1790.0 | -3365.0 | 16.83 | 182.50 | 3.859 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 13:30:00 | 55 | 20000.0 | 5125.0 | 1690.0 | -3435.0 | 17.18 | 217.50 | -6.407 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 13:45:00 | 56 | 20000.0 | 5345.0 | 1610.0 | -3735.0 | 18.68 | 367.50 | 5.452 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 14:00:00 | 57 | 20000.0 | 5320.0 | 1500.0 | -3820.0 | 19.1 | 410.00 | 5.452 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 14:15:00 | 58 | 20000.0 | 5225.0 | 1420.0 | -3805.0 | 19.02 | 402.50 | 16.000 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 14:30:00 | 59 | 20000.0 | 5420.0 | 1290.0 | -4130.0 | 20.65 | 565.00 | 6.035 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 14:45:00 | 60 | 20000.0 | 5005.0 | 1180.0 | -3825.0 | 19.12 | 412.50 | 3.949 | 0.000000 |

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| Rajpimpri Wind 132kV | 06/01/2020 15:00:00 | 61 | 20000.0 | 5285.0 | 1000.0 | -4285.0 | 21.43 | 642.50 | 3.367 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 15:15:00 | 62 | 20000.0 | 5350.0 | 850.0 | -4500.0 | 22.5 | 750.00 | 3.904 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 15:30:00 | 63 | 20000.0 | 5055.0 | 710.0 | -4345.0 | 21.73 | 672.50 | 4.482 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 15:45:00 | 64 | 20000.0 | 5355.0 | 590.0 | -4765.0 | 23.82 | 882.50 | 4.225 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 16:00:00 | 65 | 20000.0 | 5365.0 | 460.0 | -4905.0 | 24.52 | 952.50 | 2.895 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 16:15:00 | 66 | 20000.0 | 5250.0 | 300.0 | -4950.0 | 24.75 | 975.00 | 6.089 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 16:30:00 | 67 | 20000.0 | 5425.0 | 180.0 | -5245.0 | 26.22 | 1245.00 | -8.000 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 16:45:00 | 68 | 20000.0 | 5295.0 | 80.0 | -5215.0 | 26.07 | 1215.00 | -4.178 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 17:00:00 | 69 | 20000.0 | 5190.0 | 150.0 | -5040.0 | 25.2 | 1040.00 | 1.742 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 17:15:00 | 70 | 20000.0 | 5495.0 | 340.0 | -5155.0 | 25.77 | 1155.00 | 2.903 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 17:30:00 | 71 | 20000.0 | 5065.0 | 700.0 | -4365.0 | 21.82 | 682.50 | -4.178 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 17:45:00 | 72 | 20000.0 | 5250.0 | 1190.0 | -4060.0 | 20.3 | 530.00 | -2.323 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 18:00:00 | 73 | 20000.0 | 5040.0 | 1790.0 | -3250.0 | 16.25 | 125.00 | -2.903 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 18:15:00 | 74 | 20000.0 | 5165.0 | 1830.0 | -3335.0 | 16.68 | 167.50 | 1.161 | 867.298406 |
| Rajpimpri Wind 132kV | 06/01/2020 18:30:00 | 75 | 20000.0 | 5395.0 | 1970.0 | -3425.0 | 17.12 | 212.50 | 2.903 | 2917.187697 |
| Rajpimpri Wind 132kV | 06/01/2020 18:45:00 | 76 | 20000.0 | 5395.0 | 1920.0 | -3475.0 | 17.38 | 237.50 | 2.903 | 70.067193 |
| Rajpimpri Wind 132kV | 06/01/2020 19:00:00 | 77 | 20000.0 | 5035.0 | 1840.0 | -3195.0 | 15.97 | 97.50 | -1.161 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 19:15:00 | 78 | 20000.0 | 5180.0 | 1570.0 | -3610.0 | 18.05 | 305.00 | -4.178 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 19:30:00 | 79 | 20000.0 | 5035.0 | 1510.0 | -3525.0 | 17.62 | 262.50 | -2.323 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 19:45:00 | 80 | 20000.0 | 5245.0 | 1530.0 | -3715.0 | 18.57 | 357.50 | -4.178 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 20:00:00 | 81 | 20000.0 | 5025.0 | 2240.0 | -2785.0 | 13.93 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Wind 132kV | 06/01/2020 20:15:00 | 82 | 20000.0 | 5175.0 | 3090.0 | -2085.0 | 10.42 | 0.00 | -5.770 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 20:30:00 | 83 | 20000.0 | 5170.0 | 4300.0 | -870.0 | 4.35 | 0.00 | 5.770 | 118.540262 |
| Rajpimpri Wind 132kV | 06/01/2020 20:45:00 | 84 | 20000.0 | 5185.0 | 4680.0 | -505.0 | 2.53 | 0.00 | 4.178 | 208.844422 |
| Rajpimpri Wind 132kV | 06/01/2020 21:00:00 | 85 | 20000.0 | 5510.0 | 4830.0 | -680.0 | 3.4 | 0.00 | 3.222 | 148.768653 |
| Rajpimpri Wind 132kV | 06/01/2020 21:15:00 | 86 | 20000.0 | 5560.0 | 4760.0 | -800.0 | 4.0 | 0.00 | -1.742 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 21:30:00 | 87 | 20000.0 | 5660.0 | 4620.0 | -1040.0 | 5.2 | 0.00 | 0.000 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 21:45:00 | 88 | 20000.0 | 5725.0 | 4550.0 | -1175.0 | 5.88 | 0.00 | 1.161 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 22:00:00 | 89 | 20000.0 | 5775.0 | 4770.0 | -1005.0 | 5.03 | 0.00 | 4.815 | 588.454747 |
| Rajpimpri Wind 132kV | 06/01/2020 22:15:00 | 90 | 20000.0 | 5675.0 | 5310.0 | -365.0 | 1.82 | 0.00 | 3.859 | 220.496916 |
| Rajpimpri Wind 132kV | 06/01/2020 22:30:00 | 91 | 20000.0 | 8615.0 | 4500.0 | -4115.0 | 20.57 | 557.50 | 1.742 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 22:45:00 | 92 | 20000.0 | 8825.0 | 3690.0 | -5135.0 | 25.67 | 1135.00 | -2.323 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 23:00:00 | 93 | 20000.0 | 8990.0 | 3420.0 | -5570.0 | 27.85 | 1570.00 | -2.903 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 23:15:00 | 94 | 20000.0 | 9010.0 | 3780.0 | -5230.0 | 26.15 | 1230.00 | 2.323 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 23:30:00 | 95 | 20000.0 | 9175.0 | 5430.0 | -3745.0 | 18.73 | 372.50 | -3.222 | 0.000000 |
| Rajpimpri Wind 132kV | 06/01/2020 23:45:00 | 96 | 20000.0 | 9285.0 | 7060.0 | -2225.0 | 11.12 | 0.00 | 2.323 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 00:00:00 | 1 | 20000.0 | 7515.0 | 6670.0 | -845.0 | 4.23 | 0.00 | -0.549 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 00:15:00 | 2 | 20000.0 | 7830.0 | 6660.0 | -1170.0 | 5.85 | 0.00 | -1.647 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 00:30:00 | 3 | 20000.0 | 7530.0 | 8700.0 | 1170.0 | 5.85 | 0.00 | -3.073 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 00:45:00 | 4 | 20000.0 | 7945.0 | 10980.0 | 3035.0 | 15.17 | 17.50 | -2.744 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 01:00:00 | 5 | 20000.0 | 7870.0 | 12170.0 | 4300.0 | 21.5 | 650.00 | -4.058 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 01:15:00 | 6 | 20000.0 | 7655.0 | 13110.0 | 5455.0 | 27.27 | 1455.00 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Wind 132kV | 07/01/2020 01:30:00 | 7 | 20000.0 | 7625.0 | 10090.0 | 2465.0 | 12.32 | 0.00 | -3.401 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 01:45:00 | 8 | 20000.0 | 7845.0 | 4970.0 | -2875.0 | 14.37 | 0.00 | 3.730 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 02:00:00 | 9 | 20000.0 | 7945.0 | 3800.0 | -4145.0 | 20.72 | 572.50 | 3.073 | 902.397397 |
| Rajpimpri Wind 132kV | 07/01/2020 02:15:00 | 10 | 20000.0 | 7870.0 | 3240.0 | -4630.0 | 23.15 | 815.00 | 3.073 | 450.729005 |
| Rajpimpri Wind 132kV | 07/01/2020 02:30:00 | 11 | 20000.0 | 17890.0 | 3770.0 | -14120.0 | 70.6 | 13680.00 | 3.401 | 1922.608368 |
| Rajpimpri Wind 132kV | 07/01/2020 02:45:00 | 12 | 20000.0 | 17725.0 | 5660.0 | -12065.0 | 60.32 | 10597.50 | 2.745 | 1638.503452 |
| Rajpimpri Wind 132kV | 07/01/2020 03:00:00 | 13 | 20000.0 | 17925.0 | 5630.0 | -12295.0 | 61.48 | 10942.50 | 1.647 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 03:15:00 | 14 | 20000.0 | 17920.0 | 5430.0 | -12490.0 | 62.45 | 11235.00 | 2.196 | 801.267007 |
| Rajpimpri Wind 132kV | 07/01/2020 03:30:00 | 15 | 20000.0 | 17880.0 | 4930.0 | -12950.0 | 64.75 | 11925.00 | 1.647 | 1105.291224 |
| Rajpimpri Wind 132kV | 07/01/2020 03:45:00 | 16 | 20000.0 | 17955.0 | 3900.0 | -14055.0 | 70.28 | 13582.50 | 1.098 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 04:00:00 | 17 | 20000.0 | 7945.0 | 2970.0 | -4975.0 | 24.88 | 987.50 | 1.647 | 1821.844589 |
| Rajpimpri Wind 132kV | 07/01/2020 04:15:00 | 18 | 20000.0 | 7870.0 | 2630.0 | -5240.0 | 26.2 | 1240.00 | 2.210 | 3751.620457 |
| Rajpimpri Wind 132kV | 07/01/2020 04:30:00 | 19 | 20000.0 | 7655.0 | 2960.0 | -4695.0 | 23.47 | 847.50 | 3.730 | 4746.606441 |
| Rajpimpri Wind 132kV | 07/01/2020 04:45:00 | 20 | 20000.0 | 7625.0 | 2830.0 | -4795.0 | 23.97 | 897.50 | -1.098 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 05:00:00 | 21 | 20000.0 | 7845.0 | 2610.0 | -5235.0 | 26.17 | 1235.00 | -2.744 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 05:15:00 | 22 | 20000.0 | 7820.0 | 2480.0 | -5340.0 | 26.7 | 1340.00 | 3.730 | 2743.256521 |
| Rajpimpri Wind 132kV | 07/01/2020 05:30:00 | 23 | 20000.0 | 7725.0 | 2370.0 | -5355.0 | 26.77 | 1355.00 | 3.073 | 6180.206723 |
| Rajpimpri Wind 132kV | 07/01/2020 05:45:00 | 24 | 20000.0 | 7920.0 | 2520.0 | -5400.0 | 27.0 | 1400.00 | 3.730 | 4841.424223 |
| Rajpimpri Wind 132kV | 07/01/2020 06:00:00 | 25 | 20000.0 | 7505.0 | 3050.0 | -4455.0 | 22.27 | 727.50 | -5.372 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 06:15:00 | 26 | 20000.0 | 7785.0 | 4540.0 | -3245.0 | 16.23 | 122.50 | 4.556 | 10812.657393 |
| Rajpimpri Wind 132kV | 07/01/2020 06:30:00 | 27 | 20000.0 | 7850.0 | 4630.0 | -3220.0 | 16.1 | 110.00 | 7.148 | 18576.789004 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Wind 132kV | 07/01/2020 06:45:00 | 28 | 20000.0 | 7515.0 | 5050.0 | -2465.0 | 12.32 | 0.00 | 7.821 | 13040.376046 |
| Rajpimpri Wind 132kV | 07/01/2020 07:00:00 | 29 | 20000.0 | 7830.0 | 3810.0 | -4020.0 | 20.1 | 510.00 | 5.372 | 10682.939629 |
| Rajpimpri Wind 132kV | 07/01/2020 07:15:00 | 30 | 20000.0 | 7530.0 | 3100.0 | -4430.0 | 22.15 | 715.00 | 16.000 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 07:30:00 | 31 | 20000.0 | 7945.0 | 2410.0 | -5535.0 | 27.68 | 1535.00 | 9.296 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 07:45:00 | 32 | 20000.0 | 7870.0 | 1370.0 | -6500.0 | 32.5 | 2500.00 | 9.794 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 08:00:00 | 33 | 20000.0 | 7655.0 | 1020.0 | -6635.0 | 33.17 | 2635.00 | 3.593 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 08:15:00 | 34 | 20000.0 | 7625.0 | 1260.0 | -6365.0 | 31.82 | 2365.00 | 3.401 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 08:30:00 | 35 | 20000.0 | 7845.0 | 1800.0 | -6045.0 | 30.23 | 2045.00 | 3.245 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 08:45:00 | 36 | 20000.0 | 7945.0 | 1740.0 | -6205.0 | 31.03 | 2205.00 | 0.000 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 09:00:00 | 37 | 20000.0 | 5970.0 | 1540.0 | -4430.0 | 22.15 | 715.00 | 2.745 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 09:15:00 | 38 | 20000.0 | 5755.0 | 1520.0 | -4235.0 | 21.18 | 617.50 | 4.715 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 09:30:00 | 39 | 20000.0 | 5725.0 | 1530.0 | -4195.0 | 20.97 | 597.50 | 3.981 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 09:45:00 | 40 | 20000.0 | 5945.0 | 1700.0 | -4245.0 | 21.22 | 622.50 | 3.730 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 10:00:00 | 41 | 20000.0 | 5920.0 | 1810.0 | -4110.0 | 20.55 | 555.00 | 1.780 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 10:15:00 | 42 | 20000.0 | 5825.0 | 2340.0 | -3485.0 | 17.42 | 242.50 | 5.643 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 10:30:00 | 43 | 20000.0 | 5970.0 | 2930.0 | -3040.0 | 15.2 | 20.00 | 4.976 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 10:45:00 | 44 | 20000.0 | 5605.0 | 2940.0 | -2665.0 | 13.33 | 0.00 | 4.415 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 11:00:00 | 45 | 20000.0 | 5885.0 | 2730.0 | -3155.0 | 15.78 | 77.50 | 4.476 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 11:15:00 | 46 | 20000.0 | 5950.0 | 2390.0 | -3560.0 | 17.8 | 280.00 | 4.826 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 11:30:00 | 47 | 20000.0 | 5615.0 | 2520.0 | -3095.0 | 15.47 | 47.50 | 2.289 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 11:45:00 | 48 | 20000.0 | 5930.0 | 2040.0 | -3890.0 | 19.45 | 445.00 | -0.549 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Wind 132kV | 07/01/2020 12:00:00 | 49 | 20000.0 | 5630.0 | 1650.0 | -3980.0 | 19.9 | 490.00 | 4.727 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 12:15:00 | 50 | 20000.0 | 5970.0 | 1970.0 | -4000.0 | 20.0 | 500.00 | 4.777 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 12:30:00 | 51 | 20000.0 | 5970.0 | 2090.0 | -3880.0 | 19.4 | 440.00 | 4.798 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 12:45:00 | 52 | 20000.0 | 5755.0 | 1950.0 | -3805.0 | 19.02 | 402.50 | -3.401 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 13:00:00 | 53 | 20000.0 | 5725.0 | 1840.0 | -3885.0 | 19.43 | 442.50 | -2.431 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 13:15:00 | 54 | 20000.0 | 5945.0 | 1390.0 | -4555.0 | 22.78 | 777.50 | -4.387 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 13:30:00 | 55 | 20000.0 | 5755.0 | 1920.0 | -3835.0 | 19.18 | 417.50 | -3.401 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 13:45:00 | 56 | 20000.0 | 5725.0 | 2040.0 | -3685.0 | 18.43 | 342.50 | -5.044 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 14:00:00 | 57 | 20000.0 | 5945.0 | 1550.0 | -4395.0 | 21.98 | 697.50 | 4.215 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 14:15:00 | 58 | 20000.0 | 5920.0 | 2020.0 | -3900.0 | 19.5 | 450.00 | 9.552 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 14:30:00 | 59 | 20000.0 | 5825.0 | 1370.0 | -4455.0 | 22.27 | 727.50 | 6.358 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 14:45:00 | 60 | 20000.0 | 5970.0 | 1150.0 | -4820.0 | 24.1 | 910.00 | 2.744 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 15:00:00 | 61 | 20000.0 | 5755.0 | 1140.0 | -4615.0 | 23.08 | 807.50 | -3.073 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 15:15:00 | 62 | 20000.0 | 5725.0 | 460.0 | -5265.0 | 26.32 | 1265.00 | -4.058 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 15:30:00 | 63 | 20000.0 | 5945.0 | 380.0 | -5565.0 | 27.82 | 1565.00 | -4.831 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 15:45:00 | 64 | 20000.0 | 5920.0 | 610.0 | -5310.0 | 26.55 | 1310.00 | -5.372 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 16:00:00 | 65 | 20000.0 | 5825.0 | 1090.0 | -4735.0 | 23.67 | 867.50 | 2.196 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 16:15:00 | 66 | 20000.0 | 5970.0 | 500.0 | -5470.0 | 27.35 | 1470.00 | -3.401 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 16:30:00 | 67 | 20000.0 | 5965.0 | 440.0 | -5525.0 | 27.62 | 1525.00 | 4.738 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 16:45:00 | 68 | 20000.0 | 5725.0 | 260.0 | -5465.0 | 27.32 | 1465.00 | 7.343 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 17:00:00 | 69 | 20000.0 | 5945.0 | 60.0 | -5885.0 | 29.43 | 1885.00 | 1.647 | 0.000000 |

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| Rajpimpri Wind 132kV | 07/01/2020 17:15:00 | 70 | 20000.0 | 5920.0 | 0.0 | -5920.0 | 29.6 | 1920.00 | 2.744 | 984.769088 |
| Rajpimpri Wind 132kV | 07/01/2020 17:30:00 | 71 | 20000.0 | 5825.0 | 0.0 | -5825.0 | 29.12 | 1825.00 | 3.401 | 384.621468 |
| Rajpimpri Wind 132kV | 07/01/2020 17:45:00 | 72 | 20000.0 | 5970.0 | 0.0 | -5970.0 | 29.85 | 1970.00 | -2.745 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 18:00:00 | 73 | 20000.0 | 5605.0 | 0.0 | -5605.0 | 28.02 | 1605.00 | -3.073 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 18:15:00 | 74 | 20000.0 | 5885.0 | 10.0 | -5875.0 | 29.38 | 1875.00 | -5.372 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 18:30:00 | 75 | 20000.0 | 5950.0 | 150.0 | -5800.0 | 29.0 | 1800.00 | 3.401 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 18:45:00 | 76 | 20000.0 | 5615.0 | 70.0 | -5545.0 | 27.73 | 1545.00 | -3.401 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 19:00:00 | 77 | 20000.0 | 5930.0 | 160.0 | -5770.0 | 28.85 | 1770.00 | -3.730 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 19:15:00 | 78 | 20000.0 | 5630.0 | 0.0 | -5630.0 | 28.15 | 1630.00 | -4.715 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 19:30:00 | 79 | 20000.0 | 5725.0 | 0.0 | -5725.0 | 28.62 | 1725.00 | -4.058 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 19:45:00 | 80 | 20000.0 | 5630.0 | 0.0 | -5630.0 | 28.15 | 1630.00 | -2.210 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 20:00:00 | 81 | 20000.0 | 5630.0 | 0.0 | -5630.0 | 28.15 | 1630.00 | -2.348 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 20:15:00 | 82 | 20000.0 | 5630.0 | 0.0 | -5630.0 | 28.15 | 1630.00 | 4.387 | 8786.470714 |
| Rajpimpri Wind 132kV | 07/01/2020 20:30:00 | 83 | 20000.0 | 5630.0 | 0.0 | -5630.0 | 28.15 | 1630.00 | 3.816 | 11489.079375 |
| Rajpimpri Wind 132kV | 07/01/2020 20:45:00 | 84 | 20000.0 | 5630.0 | 0.0 | -5630.0 | 28.15 | 1630.00 | 3.401 | 2766.221812 |
| Rajpimpri Wind 132kV | 07/01/2020 21:00:00 | 85 | 20000.0 | 5630.0 | 20.0 | -5610.0 | 28.05 | 1610.00 | -4.058 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 21:15:00 | 86 | 20000.0 | 5630.0 | 910.0 | -4720.0 | 23.6 | 860.00 | 1.647 | 2501.765705 |
| Rajpimpri Wind 132kV | 07/01/2020 21:30:00 | 87 | 20000.0 | 5630.0 | 3540.0 | -2090.0 | 10.45 | 0.00 | 2.196 | 666.467586 |
| Rajpimpri Wind 132kV | 07/01/2020 21:45:00 | 88 | 20000.0 | 5630.0 | 5550.0 | -80.0 | 0.4 | 0.00 | -2.196 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 22:00:00 | 89 | 20000.0 | 5630.0 | 7310.0 | 1680.0 | 8.4 | 0.00 | -3.257 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 22:15:00 | 90 | 20000.0 | 5630.0 | 8960.0 | 3330.0 | 16.65 | 165.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Wind 132kV | 07/01/2020 22:30:00 | 91 | 20000.0 | 5630.0 | 10880.0 | 5250.0 | 26.25 | 1250.00 | -1.098 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 22:45:00 | 92 | 20000.0 | 5630.0 | 11100.0 | 5470.0 | 27.35 | 1470.00 | -1.647 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 23:00:00 | 93 | 20000.0 | 5630.0 | 11510.0 | 5880.0 | 29.4 | 1880.00 | -3.401 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 23:15:00 | 94 | 20000.0 | 5630.0 | 12950.0 | 7320.0 | 36.6 | 3480.00 | 1.647 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 23:30:00 | 95 | 20000.0 | 5630.0 | 12560.0 | 6930.0 | 34.65 | 2930.00 | -2.196 | 0.000000 |
| Rajpimpri Wind 132kV | 07/01/2020 23:45:00 | 96 | 20000.0 | 5630.0 | 13290.0 | 7660.0 | 38.3 | 3990.00 | -0.549 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 00:00:00 | 1 | 20000.0 | 7515.0 | 13850.0 | 6335.0 | 31.67 | 2335.00 | -2.220 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 00:15:00 | 2 | 20000.0 | 7830.0 | 13430.0 | 5600.0 | 28.0 | 1600.00 | -3.101 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 00:30:00 | 3 | 20000.0 | 7530.0 | 13360.0 | 5830.0 | 29.15 | 1830.00 | -3.101 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 00:45:00 | 4 | 20000.0 | 7945.0 | 10920.0 | 2975.0 | 14.88 | 0.00 | -2.424 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 01:00:00 | 5 | 20000.0 | 7870.0 | 8750.0 | 880.0 | 4.4 | 0.00 | -2.170 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 01:15:00 | 6 | 20000.0 | 14625.0 | 5290.0 | -9335.0 | 46.67 | 6502.50 | -1.761 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 01:30:00 | 7 | 20000.0 | 13805.0 | 2480.0 | -11325.0 | 56.62 | 9487.50 | -1.665 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 01:45:00 | 8 | 20000.0 | 12945.0 | 1220.0 | -11725.0 | 58.63 | 10087.50 | -1.665 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 02:00:00 | 9 | 20000.0 | 12165.0 | 290.0 | -11875.0 | 59.38 | 10312.50 | -1.110 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 02:15:00 | 10 | 20000.0 | 11565.0 | 0.0 | -11565.0 | 57.83 | 9847.50 | -1.347 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 02:30:00 | 11 | 20000.0 | 10860.0 | 80.0 | -10780.0 | 53.9 | 8670.00 | -3.101 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 02:45:00 | 12 | 20000.0 | 12125.0 | 120.0 | -12005.0 | 60.02 | 10507.50 | -2.220 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 03:00:00 | 13 | 20000.0 | 11625.0 | 40.0 | -11585.0 | 57.93 | 9877.50 | -3.428 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 03:15:00 | 14 | 20000.0 | 11125.0 | 0.0 | -11125.0 | 55.62 | 9187.50 | -2.220 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 03:30:00 | 15 | 20000.0 | 10625.0 | 0.0 | -10625.0 | 53.12 | 8437.50 | -2.220 | 0.000000 |

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| Rajpimpri Wind 132kV | 08/01/2020 03:45:00 | 16 | 20000.0 | 10125.0 | 40.0 | -10085.0 | 50.42 | 7627.50 | -2.775 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 04:00:00 | 17 | 20000.0 | 5945.0 | 40.0 | -5905.0 | 29.53 | 1905.00 | -3.101 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 04:15:00 | 18 | 20000.0 | 5920.0 | 0.0 | -5920.0 | 29.6 | 1920.00 | -1.665 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 04:30:00 | 19 | 20000.0 | 5825.0 | 0.0 | -5825.0 | 29.12 | 1825.00 | -2.220 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 04:45:00 | 20 | 20000.0 | 5970.0 | 0.0 | -5970.0 | 29.85 | 1970.00 | -2.775 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 05:00:00 | 21 | 20000.0 | 5755.0 | 200.0 | -5555.0 | 27.77 | 1555.00 | -1.110 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 05:15:00 | 22 | 20000.0 | 5725.0 | 350.0 | -5375.0 | 26.88 | 1375.00 | 2.775 | 259.010803 |
| Rajpimpri Wind 132kV | 08/01/2020 05:30:00 | 23 | 20000.0 | 5945.0 | 600.0 | -5345.0 | 26.72 | 1345.00 | -3.428 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 05:45:00 | 24 | 20000.0 | 5920.0 | 1200.0 | -4720.0 | 23.6 | 860.00 | -2.775 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 06:00:00 | 25 | 20000.0 | 5825.0 | 1460.0 | -4365.0 | 21.82 | 682.50 | -2.220 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 06:15:00 | 26 | 20000.0 | 5970.0 | 1650.0 | -4320.0 | 21.6 | 660.00 | 2.220 | 884.498105 |
| Rajpimpri Wind 132kV | 08/01/2020 06:30:00 | 27 | 20000.0 | 5965.0 | 2010.0 | -3955.0 | 19.78 | 477.50 | 5.387 | 7118.851024 |
| Rajpimpri Wind 132kV | 08/01/2020 06:45:00 | 28 | 20000.0 | 5725.0 | 2050.0 | -3675.0 | 18.38 | 337.50 | -4.734 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 07:00:00 | 29 | 20000.0 | 5945.0 | 2100.0 | -3845.0 | 19.23 | 422.50 | -4.407 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 07:15:00 | 30 | 20000.0 | 5920.0 | 1270.0 | -4650.0 | 23.25 | 825.00 | 5.061 | 8196.013703 |
| Rajpimpri Wind 132kV | 08/01/2020 07:30:00 | 31 | 20000.0 | 5825.0 | 750.0 | -5075.0 | 25.37 | 1075.00 | 5.714 | 8558.988618 |
| Rajpimpri Wind 132kV | 08/01/2020 07:45:00 | 32 | 20000.0 | 5970.0 | 1000.0 | -4970.0 | 24.85 | 985.00 | 5.061 | 3295.280967 |
| Rajpimpri Wind 132kV | 08/01/2020 08:00:00 | 33 | 20000.0 | 5605.0 | 1350.0 | -4255.0 | 21.27 | 627.50 | 2.775 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 08:15:00 | 34 | 20000.0 | 5885.0 | 1650.0 | -4235.0 | 21.18 | 617.50 | 2.775 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 08:30:00 | 35 | 20000.0 | 5950.0 | 1140.0 | -4810.0 | 24.05 | 905.00 | 5.387 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 08:45:00 | 36 | 20000.0 | 5615.0 | 640.0 | -4975.0 | 24.88 | 987.50 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Wind 132kV | 08/01/2020 09:00:00 | 37 | 20000.0 | 5930.0 | 460.0 | -5470.0 | 27.35 | 1470.00 | 7.673 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 09:15:00 | 38 | 20000.0 | 5630.0 | 520.0 | -5110.0 | 25.55 | 1110.00 | 7.673 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 09:30:00 | 39 | 20000.0 | 5630.0 | 650.0 | -4980.0 | 24.9 | 990.00 | 3.101 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 09:45:00 | 40 | 20000.0 | 5630.0 | 790.0 | -4840.0 | 24.2 | 920.00 | -3.101 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 10:00:00 | 41 | 20000.0 | 5630.0 | 260.0 | -5370.0 | 26.85 | 1370.00 | -3.101 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 10:15:00 | 42 | 20000.0 | 5630.0 | 690.0 | -4940.0 | 24.7 | 970.00 | -3.101 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 10:30:00 | 43 | 20000.0 | 5630.0 | 460.0 | -5170.0 | 25.85 | 1170.00 | -1.665 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 10:45:00 | 44 | 20000.0 | 5630.0 | 730.0 | -4900.0 | 24.5 | 950.00 | 0.000 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 11:00:00 | 45 | 20000.0 | 5630.0 | 590.0 | -5040.0 | 25.2 | 1040.00 | -1.486 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 11:15:00 | 46 | 20000.0 | 5630.0 | 700.0 | -4930.0 | 24.65 | 965.00 | -1.305 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 11:30:00 | 47 | 20000.0 | 5630.0 | 1240.0 | -4390.0 | 21.95 | 695.00 | -2.425 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 11:45:00 | 48 | 20000.0 | 5630.0 | 1250.0 | -4380.0 | 21.9 | 690.00 | -2.775 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 12:00:00 | 49 | 20000.0 | 5630.0 | 1230.0 | -4400.0 | 22.0 | 700.00 | -2.083 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 12:15:00 | 50 | 20000.0 | 5630.0 | 520.0 | -5110.0 | 25.55 | 1110.00 | -3.242 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 12:30:00 | 51 | 20000.0 | 5630.0 | 1060.0 | -4570.0 | 22.85 | 785.00 | -1.330 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 12:45:00 | 52 | 20000.0 | 5630.0 | 610.0 | -5020.0 | 25.1 | 1020.00 | -0.830 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 13:00:00 | 53 | 20000.0 | 5630.0 | 450.0 | -5180.0 | 25.9 | 1180.00 | 2.775 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 13:15:00 | 54 | 20000.0 | 5630.0 | 740.0 | -4890.0 | 24.45 | 945.00 | 0.000 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 13:30:00 | 55 | 20000.0 | 5630.0 | 570.0 | -5060.0 | 25.3 | 1060.00 | -1.012 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 13:45:00 | 56 | 20000.0 | 5630.0 | 1380.0 | -4250.0 | 21.25 | 625.00 | -1.087 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 14:00:00 | 57 | 20000.0 | 5630.0 | 1180.0 | -4450.0 | 22.25 | 725.00 | -3.101 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Wind 132kV | 08/01/2020 14:15:00 | 58 | 20000.0 | 5630.0 | 1390.0 | -4240.0 | 21.2 | 620.00 | -4.081 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 14:30:00 | 59 | 20000.0 | 5630.0 | 770.0 | -4860.0 | 24.3 | 930.00 | -2.996 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 14:45:00 | 60 | 20000.0 | 5630.0 | 1040.0 | -4590.0 | 22.95 | 795.00 | -3.101 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 15:00:00 | 61 | 20000.0 | 5630.0 | 630.0 | -5000.0 | 25.0 | 1000.00 | -1.879 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 15:15:00 | 62 | 20000.0 | 5630.0 | 980.0 | -4650.0 | 23.25 | 825.00 | -4.081 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 15:30:00 | 63 | 20000.0 | 5630.0 | 820.0 | -4810.0 | 24.05 | 905.00 | 4.938 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 15:45:00 | 64 | 20000.0 | 5630.0 | 450.0 | -5180.0 | 25.9 | 1180.00 | 4.719 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 16:00:00 | 65 | 20000.0 | 5630.0 | 350.0 | -5280.0 | 26.4 | 1280.00 | 0.555 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 16:15:00 | 66 | 20000.0 | 5630.0 | 270.0 | -5360.0 | 26.8 | 1360.00 | -4.081 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 16:30:00 | 67 | 20000.0 | 5630.0 | 180.0 | -5450.0 | 27.25 | 1450.00 | -3.754 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 16:45:00 | 68 | 20000.0 | 5630.0 | 50.0 | -5580.0 | 27.9 | 1580.00 | -8.000 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 17:00:00 | 69 | 20000.0 | 5630.0 | 10.0 | -5620.0 | 28.1 | 1620.00 | 0.000 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 17:15:00 | 70 | 20000.0 | 5630.0 | 0.0 | -5630.0 | 28.15 | 1630.00 | 4.081 | 1079.976910 |
| Rajpimpri Wind 132kV | 08/01/2020 17:30:00 | 71 | 20000.0 | 5630.0 | 0.0 | -5630.0 | 28.15 | 1630.00 | -5.387 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 17:45:00 | 72 | 20000.0 | 5630.0 | 0.0 | -5630.0 | 28.15 | 1630.00 | -3.101 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 18:00:00 | 73 | 20000.0 | 5630.0 | 0.0 | -5630.0 | 28.15 | 1630.00 | -2.775 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 18:15:00 | 74 | 20000.0 | 5630.0 | 0.0 | -5630.0 | 28.15 | 1630.00 | -3.101 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 18:30:00 | 75 | 20000.0 | 5630.0 | 0.0 | -5630.0 | 28.15 | 1630.00 | -2.220 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 18:45:00 | 76 | 20000.0 | 5630.0 | 0.0 | -5630.0 | 28.15 | 1630.00 | 2.220 | 4437.985699 |
| Rajpimpri Wind 132kV | 08/01/2020 19:00:00 | 77 | 20000.0 | 5630.0 | 0.0 | -5630.0 | 28.15 | 1630.00 | 1.110 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 19:15:00 | 78 | 20000.0 | 5630.0 | 0.0 | -5630.0 | 28.15 | 1630.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Wind 132kV | 08/01/2020 19:30:00 | 79 | 20000.0 | 5630.0 | 0.0 | -5630.0 | 28.15 | 1630.00 | -2.220 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 19:45:00 | 80 | 20000.0 | 5630.0 | 0.0 | -5630.0 | 28.15 | 1630.00 | -0.555 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 20:00:00 | 81 | 20000.0 | 5630.0 | 0.0 | -5630.0 | 28.15 | 1630.00 | 2.775 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 20:15:00 | 82 | 20000.0 | 5630.0 | 0.0 | -5630.0 | 28.15 | 1630.00 | 3.101 | 9413.818606 |
| Rajpimpri Wind 132kV | 08/01/2020 20:30:00 | 83 | 20000.0 | 5630.0 | 0.0 | -5630.0 | 28.15 | 1630.00 | 4.408 | 12753.125709 |
| Rajpimpri Wind 132kV | 08/01/2020 20:45:00 | 84 | 20000.0 | 5630.0 | 930.0 | -4700.0 | 23.5 | 850.00 | 3.101 | 3075.679686 |
| Rajpimpri Wind 132kV | 08/01/2020 21:00:00 | 85 | 20000.0 | 5630.0 | 3360.0 | -2270.0 | 11.35 | 0.00 | 3.101 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 21:15:00 | 86 | 20000.0 | 5630.0 | 3620.0 | -2010.0 | 10.05 | 0.00 | -0.555 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 21:30:00 | 87 | 20000.0 | 5630.0 | 2970.0 | -2660.0 | 13.3 | 0.00 | -1.110 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 21:45:00 | 88 | 20000.0 | 5630.0 | 4710.0 | -920.0 | 4.6 | 0.00 | -1.110 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 22:00:00 | 89 | 20000.0 | 5630.0 | 6530.0 | 900.0 | 4.5 | 0.00 | -2.489 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 22:15:00 | 90 | 20000.0 | 5630.0 | 6440.0 | 810.0 | 4.05 | 0.00 | -2.775 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 22:30:00 | 91 | 20000.0 | 5630.0 | 6290.0 | 660.0 | 3.3 | 0.00 | -2.223 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 22:45:00 | 92 | 20000.0 | 5630.0 | 5020.0 | -610.0 | 3.05 | 0.00 | 1.110 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 23:00:00 | 93 | 20000.0 | 5630.0 | 3020.0 | -2610.0 | 13.05 | 0.00 | 1.110 | 278.646210 |
| Rajpimpri Wind 132kV | 08/01/2020 23:15:00 | 94 | 20000.0 | 5630.0 | 2510.0 | -3120.0 | 15.6 | 60.00 | 1.110 | 0.000000 |
| Rajpimpri Wind 132kV | 08/01/2020 23:30:00 | 95 | 20000.0 | 5630.0 | 2190.0 | -3440.0 | 17.2 | 220.00 | 2.775 | 31.271386 |
| Rajpimpri Wind 132kV | 08/01/2020 23:45:00 | 96 | 20000.0 | 5630.0 | 1550.0 | -4080.0 | 20.4 | 540.00 | 0.000 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 00:00:00 | 1 | 20000.0 | 11430.0 | 1940.0 | -9490.0 | 47.45 | 6735.00 | -0.576 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 00:15:00 | 2 | 20000.0 | 11750.0 | 2080.0 | -9670.0 | 48.35 | 7005.00 | -1.727 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 00:30:00 | 3 | 20000.0 | 11780.0 | 1960.0 | -9820.0 | 49.1 | 7230.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Wind 132kV | 09/01/2020 00:45:00 | 4 | 20000.0 | 11845.0 | 1760.0 | -10085.0 | 50.42 | 7627.50 | -2.879 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 01:00:00 | 5 | 20000.0 | 11000.0 | 1500.0 | -9500.0 | 47.5 | 6750.00 | -3.519 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 01:15:00 | 6 | 20000.0 | 5755.0 | 930.0 | -4825.0 | 24.12 | 912.50 | -3.519 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 01:30:00 | 7 | 20000.0 | 5725.0 | 290.0 | -5435.0 | 27.18 | 1435.00 | -3.199 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 01:45:00 | 8 | 20000.0 | 5945.0 | 50.0 | -5895.0 | 29.48 | 1895.00 | 3.519 | 1432.411492 |
| Rajpimpri Wind 132kV | 09/01/2020 02:00:00 | 9 | 20000.0 | 5920.0 | 0.0 | -5920.0 | 29.6 | 1920.00 | 3.519 | 6517.374977 |
| Rajpimpri Wind 132kV | 09/01/2020 02:15:00 | 10 | 20000.0 | 5920.0 | 30.0 | -5890.0 | 29.45 | 1890.00 | 2.879 | 2843.911718 |
| Rajpimpri Wind 132kV | 09/01/2020 02:30:00 | 11 | 20000.0 | 5825.0 | 390.0 | -5435.0 | 27.18 | 1435.00 | 3.199 | 3775.624814 |
| Rajpimpri Wind 132kV | 09/01/2020 02:45:00 | 12 | 20000.0 | 5970.0 | 460.0 | -5510.0 | 27.55 | 1510.00 | 1.152 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 03:00:00 | 13 | 20000.0 | 5755.0 | 450.0 | -5305.0 | 26.52 | 1305.00 | -2.879 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 03:15:00 | 14 | 20000.0 | 5725.0 | 990.0 | -4735.0 | 23.67 | 867.50 | -3.839 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 03:30:00 | 15 | 20000.0 | 5945.0 | 1550.0 | -4395.0 | 21.98 | 697.50 | 3.199 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 03:45:00 | 16 | 20000.0 | 5920.0 | 1350.0 | -4570.0 | 22.85 | 785.00 | 0.000 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 04:00:00 | 17 | 20000.0 | 5825.0 | 1470.0 | -4355.0 | 21.77 | 677.50 | 1.727 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 04:15:00 | 18 | 20000.0 | 5970.0 | 1580.0 | -4390.0 | 21.95 | 695.00 | 1.727 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 04:30:00 | 19 | 20000.0 | 5965.0 | 1800.0 | -4165.0 | 20.82 | 582.50 | 1.727 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 04:45:00 | 20 | 20000.0 | 5725.0 | 1460.0 | -4265.0 | 21.32 | 632.50 | 2.879 | 3675.619892 |
| Rajpimpri Wind 132kV | 09/01/2020 05:00:00 | 21 | 20000.0 | 5945.0 | 1670.0 | -4275.0 | 21.38 | 637.50 | 3.839 | 2133.989062 |
| Rajpimpri Wind 132kV | 09/01/2020 05:15:00 | 22 | 20000.0 | 5920.0 | 1800.0 | -4120.0 | 20.6 | 560.00 | 5.119 | 5815.391461 |
| Rajpimpri Wind 132kV | 09/01/2020 05:30:00 | 23 | 20000.0 | 5825.0 | 1810.0 | -4015.0 | 20.08 | 507.50 | 4.064 | 10328.201503 |
| Rajpimpri Wind 132kV | 09/01/2020 05:45:00 | 24 | 20000.0 | 5970.0 | 2210.0 | -3760.0 | 18.8 | 380.00 | 1.152 | 26.526205 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Wind 132kV | 09/01/2020 06:00:00 | 25 | 20000.0 | 5605.0 | 2510.0 | -3095.0 | 15.47 | 47.50 | -2.303 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 06:15:00 | 26 | 20000.0 | 5885.0 | 1880.0 | -4005.0 | 20.03 | 502.50 | 2.303 | 2663.922033 |
| Rajpimpri Wind 132kV | 09/01/2020 06:30:00 | 27 | 20000.0 | 5950.0 | 1910.0 | -4040.0 | 20.2 | 520.00 | -3.839 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 06:45:00 | 28 | 20000.0 | 5615.0 | 2150.0 | -3465.0 | 17.32 | 232.50 | -2.879 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 07:00:00 | 29 | 20000.0 | 5930.0 | 2120.0 | -3810.0 | 19.05 | 405.00 | -2.879 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 07:15:00 | 30 | 20000.0 | 5920.0 | 1640.0 | -4280.0 | 21.4 | 640.00 | 6.400 | 2129.328826 |
| Rajpimpri Wind 132kV | 09/01/2020 07:30:00 | 31 | 20000.0 | 5825.0 | 1800.0 | -4025.0 | 20.12 | 512.50 | 1.172 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 07:45:00 | 32 | 20000.0 | 5970.0 | 2860.0 | -3110.0 | 15.55 | 55.00 | 0.576 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 08:00:00 | 33 | 20000.0 | 5755.0 | 2850.0 | -2905.0 | 14.52 | 0.00 | -0.576 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 08:15:00 | 34 | 20000.0 | 5725.0 | 2620.0 | -3105.0 | 15.53 | 52.50 | -1.152 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 08:30:00 | 35 | 20000.0 | 5945.0 | 2830.0 | -3115.0 | 15.57 | 57.50 | 0.576 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 08:45:00 | 36 | 20000.0 | 5920.0 | 2790.0 | -3130.0 | 15.65 | 65.00 | 0.000 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 09:00:00 | 37 | 20000.0 | 5825.0 | 2500.0 | -3325.0 | 16.62 | 162.50 | 1.152 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 09:15:00 | 38 | 20000.0 | 5970.0 | 2090.0 | -3880.0 | 19.4 | 440.00 | 1.727 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 09:30:00 | 39 | 20000.0 | 5965.0 | 1790.0 | -4175.0 | 20.88 | 587.50 | -3.839 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 09:45:00 | 40 | 20000.0 | 5725.0 | 1850.0 | -3875.0 | 19.38 | 437.50 | -1.152 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 10:00:00 | 41 | 20000.0 | 5945.0 | 1850.0 | -4095.0 | 20.47 | 547.50 | 0.000 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 10:15:00 | 42 | 20000.0 | 5920.0 | 1960.0 | -3960.0 | 19.8 | 480.00 | 1.727 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 10:30:00 | 43 | 20000.0 | 5825.0 | 2050.0 | -3775.0 | 18.88 | 387.50 | 2.303 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 10:45:00 | 44 | 20000.0 | 5970.0 | 2060.0 | -3910.0 | 19.55 | 455.00 | -1.144 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 11:00:00 | 45 | 20000.0 | 5605.0 | 2130.0 | -3475.0 | 17.38 | 237.50 | -4.479 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Wind 132kV | 09/01/2020 11:15:00 | 46 | 20000.0 | 5920.0 | 2070.0 | -3850.0 | 19.25 | 425.00 | -3.519 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 11:30:00 | 47 | 20000.0 | 5825.0 | 2020.0 | -3805.0 | 19.02 | 402.50 | -2.303 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 11:45:00 | 48 | 20000.0 | 5970.0 | 1910.0 | -4060.0 | 20.3 | 530.00 | -0.576 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 12:00:00 | 49 | 20000.0 | 5755.0 | 2120.0 | -3635.0 | 18.18 | 317.50 | 0.000 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 12:15:00 | 50 | 20000.0 | 5725.0 | 2060.0 | -3665.0 | 18.32 | 332.50 | 3.839 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 12:30:00 | 51 | 20000.0 | 5945.0 | 1960.0 | -3985.0 | 19.93 | 492.50 | 3.199 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 12:45:00 | 52 | 20000.0 | 5920.0 | 1880.0 | -4040.0 | 20.2 | 520.00 | 3.199 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 13:00:00 | 53 | 20000.0 | 5825.0 | 1800.0 | -4025.0 | 20.12 | 512.50 | -1.152 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 13:15:00 | 54 | 20000.0 | 5970.0 | 1650.0 | -4320.0 | 21.6 | 660.00 | -1.152 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 13:30:00 | 55 | 20000.0 | 4965.0 | 1620.0 | -3345.0 | 16.73 | 172.50 | 1.727 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 13:45:00 | 56 | 20000.0 | 4725.0 | 1480.0 | -3245.0 | 16.23 | 122.50 | 3.199 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 14:00:00 | 57 | 20000.0 | 4945.0 | 900.0 | -4045.0 | 20.23 | 522.50 | 4.345 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 14:15:00 | 58 | 20000.0 | 4920.0 | 710.0 | -4210.0 | 21.05 | 605.00 | 3.941 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 14:30:00 | 59 | 20000.0 | 4825.0 | 620.0 | -4205.0 | 21.02 | 602.50 | 1.152 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 14:45:00 | 60 | 20000.0 | 4970.0 | 590.0 | -4380.0 | 21.9 | 690.00 | -0.576 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 15:00:00 | 61 | 20000.0 | 4605.0 | 960.0 | -3645.0 | 18.22 | 322.50 | -1.006 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 15:15:00 | 62 | 20000.0 | 4920.0 | 250.0 | -4670.0 | 23.35 | 835.00 | 3.199 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 15:30:00 | 63 | 20000.0 | 4825.0 | 330.0 | -4495.0 | 22.48 | 747.50 | 2.879 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 15:45:00 | 64 | 20000.0 | 4970.0 | 650.0 | -4320.0 | 21.6 | 660.00 | 3.839 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 16:00:00 | 65 | 20000.0 | 4755.0 | 440.0 | -4315.0 | 21.57 | 657.50 | 1.727 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 16:15:00 | 66 | 20000.0 | 4725.0 | 190.0 | -4535.0 | 22.68 | 767.50 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Wind 132kV | 09/01/2020 16:30:00 | 67 | 20000.0 | 4945.0 | 220.0 | -4725.0 | 23.62 | 862.50 | -4.159 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 16:45:00 | 68 | 20000.0 | 4920.0 | 50.0 | -4870.0 | 24.35 | 935.00 | 3.839 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 17:00:00 | 69 | 20000.0 | 4825.0 | 0.0 | -4825.0 | 24.12 | 912.50 | 1.727 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 17:15:00 | 70 | 20000.0 | 4970.0 | 0.0 | -4970.0 | 24.85 | 985.00 | 3.839 | 1708.267368 |
| Rajpimpri Wind 132kV | 09/01/2020 17:30:00 | 71 | 20000.0 | 4965.0 | 0.0 | -4965.0 | 24.82 | 982.50 | -2.879 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 17:45:00 | 72 | 20000.0 | 4725.0 | 10.0 | -4715.0 | 23.57 | 857.50 | -4.146 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 18:00:00 | 73 | 20000.0 | 4945.0 | 0.0 | -4945.0 | 24.73 | 972.50 | -3.349 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 18:15:00 | 74 | 20000.0 | 4920.0 | 0.0 | -4920.0 | 24.6 | 960.00 | -4.563 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 18:30:00 | 75 | 20000.0 | 4825.0 | 0.0 | -4825.0 | 24.12 | 912.50 | -3.839 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 18:45:00 | 76 | 20000.0 | 4970.0 | 0.0 | -4970.0 | 24.85 | 985.00 | -2.879 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 19:00:00 | 77 | 20000.0 | 4605.0 | 0.0 | -4605.0 | 23.03 | 802.50 | -3.199 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 19:15:00 | 78 | 20000.0 | 4920.0 | 0.0 | -4920.0 | 24.6 | 960.00 | -1.727 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 19:30:00 | 79 | 20000.0 | 5825.0 | 0.0 | -5825.0 | 29.12 | 1825.00 | -1.442 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 19:45:00 | 80 | 20000.0 | 5970.0 | 830.0 | -5140.0 | 25.7 | 1140.00 | -0.286 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 20:00:00 | 81 | 20000.0 | 5755.0 | 3020.0 | -2735.0 | 13.68 | 0.00 | -1.070 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 20:15:00 | 82 | 20000.0 | 5725.0 | 4820.0 | -905.0 | 4.52 | 0.00 | -2.236 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 20:30:00 | 83 | 20000.0 | 5945.0 | 6040.0 | 95.0 | 0.47 | 0.00 | -4.799 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 20:45:00 | 84 | 20000.0 | 5920.0 | 5080.0 | -840.0 | 4.2 | 0.00 | -1.727 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 21:00:00 | 85 | 20000.0 | 5825.0 | 5380.0 | -445.0 | 2.23 | 0.00 | -1.727 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 21:15:00 | 86 | 20000.0 | 5970.0 | 5820.0 | -150.0 | 0.75 | 0.00 | 1.152 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 21:30:00 | 87 | 20000.0 | 5965.0 | 5970.0 | 5.0 | 0.03 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Wind 132kV | 09/01/2020 21:45:00 | 88 | 20000.0 | 5725.0 | 6610.0 | 885.0 | 4.42 | 0.00 | -2.303 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 22:00:00 | 89 | 20000.0 | 5945.0 | 6060.0 | 115.0 | 0.57 | 0.00 | -2.795 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 22:15:00 | 90 | 20000.0 | 5920.0 | 4770.0 | -1150.0 | 5.75 | 0.00 | -3.674 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 22:30:00 | 91 | 20000.0 | 9675.0 | 4020.0 | -5655.0 | 28.27 | 1655.00 | -2.303 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 22:45:00 | 92 | 20000.0 | 9645.0 | 5200.0 | -4445.0 | 22.23 | 722.50 | -1.152 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 23:00:00 | 93 | 20000.0 | 9485.0 | 5660.0 | -3825.0 | 19.12 | 412.50 | 0.000 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 23:15:00 | 94 | 20000.0 | 8885.0 | 6930.0 | -1955.0 | 9.78 | 0.00 | -0.576 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 23:30:00 | 95 | 20000.0 | 8690.0 | 7160.0 | -1530.0 | 7.65 | 0.00 | -0.576 | 0.000000 |
| Rajpimpri Wind 132kV | 09/01/2020 23:45:00 | 96 | 20000.0 | 8640.0 | 5930.0 | -2710.0 | 13.55 | 0.00 | -0.987 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 00:00:00 | 1 | 20000.0 | 9950.0 | 6350.0 | -3600.0 | 18.0 | 300.00 | -0.680 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 00:15:00 | 2 | 20000.0 | 9960.0 | 7200.0 | -2760.0 | 13.8 | 0.00 | -3.326 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 00:30:00 | 3 | 20000.0 | 9955.0 | 7720.0 | -2235.0 | 11.18 | 0.00 | -2.992 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 00:45:00 | 4 | 20000.0 | 9920.0 | 8090.0 | -1830.0 | 9.15 | 0.00 | -0.532 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 01:00:00 | 5 | 20000.0 | 9570.0 | 8120.0 | -1450.0 | 7.25 | 0.00 | -0.713 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 01:15:00 | 6 | 20000.0 | 9425.0 | 8650.0 | -775.0 | 3.88 | 0.00 | -0.548 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 01:30:00 | 7 | 20000.0 | 12825.0 | 7160.0 | -5665.0 | 28.32 | 1665.00 | -2.658 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 01:45:00 | 8 | 20000.0 | 12680.0 | 6650.0 | -6030.0 | 30.15 | 2030.00 | 2.127 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 02:00:00 | 9 | 20000.0 | 12820.0 | 7450.0 | -5370.0 | 26.85 | 1370.00 | 5.342 | 10521.815759 |
| Rajpimpri Wind 132kV | 10/01/2020 02:15:00 | 10 | 20000.0 | 12660.0 | 8510.0 | -4150.0 | 20.75 | 575.00 | 1.595 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 02:30:00 | 11 | 20000.0 | 12180.0 | 9090.0 | -3090.0 | 15.45 | 45.00 | 3.326 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 02:45:00 | 12 | 20000.0 | 13325.0 | 9270.0 | -4055.0 | 20.28 | 527.50 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Wind 132kV | 10/01/2020 03:00:00 | 13 | 20000.0 | 13175.0 | 9350.0 | -3825.0 | 19.12 | 412.50 | 2.658 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 03:15:00 | 14 | 20000.0 | 12770.0 | 9760.0 | -3010.0 | 15.05 | 5.00 | 2.127 | 477.273963 |
| Rajpimpri Wind 132kV | 10/01/2020 03:30:00 | 15 | 20000.0 | 12680.0 | 9960.0 | -2720.0 | 13.6 | 0.00 | 2.127 | 511.334675 |
| Rajpimpri Wind 132kV | 10/01/2020 03:45:00 | 16 | 20000.0 | 12660.0 | 9890.0 | -2770.0 | 13.85 | 0.00 | -1.063 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 04:00:00 | 17 | 20000.0 | 16180.0 | 9300.0 | -6880.0 | 34.4 | 2880.00 | 1.595 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 04:15:00 | 18 | 20000.0 | 16160.0 | 8300.0 | -7860.0 | 39.3 | 4290.00 | 3.326 | 4673.861903 |
| Rajpimpri Wind 132kV | 10/01/2020 04:30:00 | 19 | 20000.0 | 16125.0 | 7170.0 | -8955.0 | 44.77 | 5932.50 | 3.326 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 04:45:00 | 20 | 20000.0 | 15825.0 | 7000.0 | -8825.0 | 44.12 | 5737.50 | 2.127 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 05:00:00 | 21 | 20000.0 | 15675.0 | 6090.0 | -9585.0 | 47.93 | 6877.50 | 2.992 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 05:15:00 | 22 | 20000.0 | 15630.0 | 5440.0 | -10190.0 | 50.95 | 7785.00 | 1.063 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 05:30:00 | 23 | 20000.0 | 15680.0 | 4670.0 | -11010.0 | 55.05 | 9015.00 | -2.658 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 05:45:00 | 24 | 20000.0 | 15625.0 | 3950.0 | -11675.0 | 58.38 | 10012.50 | 2.127 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 06:00:00 | 25 | 20000.0 | 15160.0 | 3900.0 | -11260.0 | 56.3 | 9390.00 | -2.127 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 06:15:00 | 26 | 20000.0 | 15180.0 | 3800.0 | -11380.0 | 56.9 | 9570.00 | 2.658 | 2886.980160 |
| Rajpimpri Wind 132kV | 10/01/2020 06:30:00 | 27 | 20000.0 | 14825.0 | 3080.0 | -11745.0 | 58.73 | 10117.50 | -2.992 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 06:45:00 | 28 | 20000.0 | 14270.0 | 2900.0 | -11370.0 | 56.85 | 9555.00 | -3.077 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 07:00:00 | 29 | 20000.0 | 14180.0 | 2310.0 | -11870.0 | 59.35 | 10305.00 | -0.687 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 07:15:00 | 30 | 20000.0 | 9325.0 | 2110.0 | -7215.0 | 36.08 | 3322.50 | -2.658 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 07:30:00 | 31 | 20000.0 | 8015.0 | 2310.0 | -5705.0 | 28.52 | 1705.00 | -1.063 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 07:45:00 | 32 | 20000.0 | 7730.0 | 2350.0 | -5380.0 | 26.9 | 1380.00 | -2.658 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 08:00:00 | 33 | 20000.0 | 7200.0 | 2230.0 | -4970.0 | 24.85 | 985.00 | -4.328 | 0.000000 |

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| Rajpimpri Wind 132kV | 10/01/2020 08:15:00 | 34 | 20000.0 | 6835.0 | 2170.0 | -4665.0 | 23.33 | 832.50 | -4.661 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 08:30:00 | 35 | 20000.0 | 6400.0 | 2380.0 | -4020.0 | 20.1 | 510.00 | 5.663 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 08:45:00 | 36 | 20000.0 | 6145.0 | 2630.0 | -3515.0 | 17.57 | 257.50 | 4.328 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 09:00:00 | 37 | 20000.0 | 5970.0 | 2480.0 | -3490.0 | 17.45 | 245.00 | -4.995 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 09:15:00 | 38 | 20000.0 | 5755.0 | 2420.0 | -3335.0 | 16.68 | 167.50 | -4.327 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 09:30:00 | 39 | 20000.0 | 5725.0 | 3100.0 | -2625.0 | 13.12 | 0.00 | -2.127 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 09:45:00 | 40 | 20000.0 | 5945.0 | 3190.0 | -2755.0 | 13.78 | 0.00 | -1.152 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 10:00:00 | 41 | 20000.0 | 5920.0 | 3160.0 | -2760.0 | 13.8 | 0.00 | 0.000 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 10:15:00 | 42 | 20000.0 | 5825.0 | 3300.0 | -2525.0 | 12.62 | 0.00 | -0.532 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 10:30:00 | 43 | 20000.0 | 5970.0 | 3510.0 | -2460.0 | 12.3 | 0.00 | -1.063 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 10:45:00 | 44 | 20000.0 | 5965.0 | 3250.0 | -2715.0 | 13.58 | 0.00 | 0.000 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 11:00:00 | 45 | 20000.0 | 5725.0 | 3250.0 | -2475.0 | 12.38 | 0.00 | 2.658 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 11:15:00 | 46 | 20000.0 | 5945.0 | 3130.0 | -2815.0 | 14.07 | 0.00 | 0.000 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 11:30:00 | 47 | 20000.0 | 5920.0 | 2890.0 | -3030.0 | 15.15 | 15.00 | -1.595 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 11:45:00 | 48 | 20000.0 | 5825.0 | 2710.0 | -3115.0 | 15.57 | 57.50 | 2.992 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 12:00:00 | 49 | 20000.0 | 5970.0 | 2680.0 | -3290.0 | 16.45 | 145.00 | 0.000 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 12:15:00 | 50 | 20000.0 | 5605.0 | 2600.0 | -3005.0 | 15.02 | 2.50 | 2.127 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 12:30:00 | 51 | 20000.0 | 5920.0 | 2630.0 | -3290.0 | 16.45 | 145.00 | 1.595 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 12:45:00 | 52 | 20000.0 | 5825.0 | 2540.0 | -3285.0 | 16.43 | 142.50 | -1.063 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 13:00:00 | 53 | 20000.0 | 5970.0 | 2400.0 | -3570.0 | 17.85 | 285.00 | 2.658 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 13:15:00 | 54 | 20000.0 | 5755.0 | 2230.0 | -3525.0 | 17.62 | 262.50 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Wind 132kV | 10/01/2020 13:30:00 | 55 | 20000.0 | 5725.0 | 2190.0 | -3535.0 | 17.68 | 267.50 | 2.127 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 13:45:00 | 56 | 20000.0 | 5945.0 | 2110.0 | -3835.0 | 19.18 | 417.50 | -3.326 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 14:00:00 | 57 | 20000.0 | 5970.0 | 2100.0 | -3870.0 | 19.35 | 435.00 | -2.992 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 14:15:00 | 58 | 20000.0 | 5755.0 | 1850.0 | -3905.0 | 19.53 | 452.50 | 3.660 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 14:30:00 | 59 | 20000.0 | 5725.0 | 1930.0 | -3795.0 | 18.98 | 397.50 | -2.127 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 14:45:00 | 60 | 20000.0 | 5945.0 | 1850.0 | -4095.0 | 20.47 | 547.50 | -2.127 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 15:00:00 | 61 | 20000.0 | 5920.0 | 1790.0 | -4130.0 | 20.65 | 565.00 | 0.000 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 15:15:00 | 62 | 20000.0 | 5825.0 | 1630.0 | -4195.0 | 20.97 | 597.50 | -2.992 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 15:30:00 | 63 | 20000.0 | 5970.0 | 1480.0 | -4490.0 | 22.45 | 745.00 | -4.995 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 15:45:00 | 64 | 20000.0 | 5965.0 | 1360.0 | -4605.0 | 23.03 | 802.50 | -4.327 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 16:00:00 | 65 | 20000.0 | 5725.0 | 1500.0 | -4225.0 | 21.12 | 612.50 | -4.995 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 16:15:00 | 66 | 20000.0 | 5945.0 | 1490.0 | -4455.0 | 22.27 | 727.50 | -8.000 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 16:30:00 | 67 | 20000.0 | 5920.0 | 1480.0 | -4440.0 | 22.2 | 720.00 | -8.000 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 16:45:00 | 68 | 20000.0 | 5825.0 | 1540.0 | -4285.0 | 21.43 | 642.50 | 4.327 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 17:00:00 | 69 | 20000.0 | 5970.0 | 1460.0 | -4510.0 | 22.55 | 755.00 | 0.532 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 17:15:00 | 70 | 20000.0 | 5605.0 | 1370.0 | -4235.0 | 21.18 | 617.50 | -1.595 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 17:30:00 | 71 | 20000.0 | 5920.0 | 1370.0 | -4550.0 | 22.75 | 775.00 | -2.658 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 17:45:00 | 72 | 20000.0 | 5825.0 | 1540.0 | -4285.0 | 21.43 | 642.50 | -2.127 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 18:00:00 | 73 | 20000.0 | 5970.0 | 1720.0 | -4250.0 | 21.25 | 625.00 | -1.461 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 18:15:00 | 74 | 20000.0 | 5755.0 | 2330.0 | -3425.0 | 17.12 | 212.50 | 3.326 | 1203.600471 |
| Rajpimpri Wind 132kV | 10/01/2020 18:30:00 | 75 | 20000.0 | 5725.0 | 2980.0 | -2745.0 | 13.73 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Wind 132kV | 10/01/2020 18:45:00 | 76 | 20000.0 | 5945.0 | 3450.0 | -2495.0 | 12.47 | 0.00 | 3.994 | 416.476359 |
| Rajpimpri Wind 132kV | 10/01/2020 19:00:00 | 77 | 20000.0 | 5970.0 | 5020.0 | -950.0 | 4.75 | 0.00 | -2.127 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 19:15:00 | 78 | 20000.0 | 5755.0 | 5650.0 | -105.0 | 0.53 | 0.00 | -2.658 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 19:30:00 | 79 | 20000.0 | 5725.0 | 6370.0 | 645.0 | 3.23 | 0.00 | -3.660 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 19:45:00 | 80 | 20000.0 | 5945.0 | 6490.0 | 545.0 | 2.73 | 0.00 | -3.326 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 20:00:00 | 81 | 20000.0 | 5920.0 | 5270.0 | -650.0 | 3.25 | 0.00 | 3.660 | 158.449754 |
| Rajpimpri Wind 132kV | 10/01/2020 20:15:00 | 82 | 20000.0 | 5825.0 | 4230.0 | -1595.0 | 7.98 | 0.00 | 3.660 | 1669.728152 |
| Rajpimpri Wind 132kV | 10/01/2020 20:30:00 | 83 | 20000.0 | 5970.0 | 3830.0 | -2140.0 | 10.7 | 0.00 | 4.995 | 3180.384556 |
| Rajpimpri Wind 132kV | 10/01/2020 20:45:00 | 84 | 20000.0 | 5965.0 | 3690.0 | -2275.0 | 11.38 | 0.00 | 2.992 | 2390.864717 |
| Rajpimpri Wind 132kV | 10/01/2020 21:00:00 | 85 | 20000.0 | 10725.0 | 4040.0 | -6685.0 | 33.42 | 2685.00 | -3.660 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 21:15:00 | 86 | 20000.0 | 11175.0 | 4700.0 | -6475.0 | 32.38 | 2475.00 | -1.595 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 21:30:00 | 87 | 20000.0 | 11560.0 | 5770.0 | -5790.0 | 28.95 | 1790.00 | -1.063 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 21:45:00 | 88 | 20000.0 | 12010.0 | 7150.0 | -4860.0 | 24.3 | 930.00 | -0.532 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 22:00:00 | 89 | 20000.0 | 12600.0 | 9100.0 | -3500.0 | 17.5 | 250.00 | -1.595 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 22:15:00 | 90 | 20000.0 | 12990.0 | 10550.0 | -2440.0 | 12.2 | 0.00 | -2.127 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 22:30:00 | 91 | 20000.0 | 5920.0 | 9210.0 | 3290.0 | 16.45 | 145.00 | 1.063 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 22:45:00 | 92 | 20000.0 | 5825.0 | 7400.0 | 1575.0 | 7.88 | 0.00 | -2.658 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 23:00:00 | 93 | 20000.0 | 5970.0 | 6320.0 | 350.0 | 1.75 | 0.00 | -2.658 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 23:15:00 | 94 | 20000.0 | 5755.0 | 6390.0 | 635.0 | 3.17 | 0.00 | 0.000 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 23:30:00 | 95 | 20000.0 | 5725.0 | 6150.0 | 425.0 | 2.12 | 0.00 | 0.000 | 0.000000 |
| Rajpimpri Wind 132kV | 10/01/2020 23:45:00 | 96 | 20000.0 | 5945.0 | 5550.0 | -395.0 | 1.98 | 0.00 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Wind 132kV | 11/01/2020 00:00:00 | 1 | 20000.0 | 18975.0 | 4590.0 | -14385.0 | 71.92 | 14077.50 | 0.000 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 00:15:00 | 2 | 20000.0 | 18675.0 | 3930.0 | -14745.0 | 73.72 | 14617.50 | -2.629 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 00:30:00 | 3 | 20000.0 | 18915.0 | 3770.0 | -15145.0 | 75.72 | 15217.50 | -1.577 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 00:45:00 | 4 | 20000.0 | 11660.0 | 4460.0 | -7200.0 | 36.0 | 3300.00 | 2.103 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 01:00:00 | 5 | 20000.0 | 11680.0 | 4940.0 | -6740.0 | 33.7 | 2740.00 | 2.964 | 3166.540468 |
| Rajpimpri Wind 132kV | 11/01/2020 01:15:00 | 6 | 20000.0 | 11160.0 | 5700.0 | -5460.0 | 27.3 | 1460.00 | 1.052 | 360.096943 |
| Rajpimpri Wind 132kV | 11/01/2020 01:30:00 | 7 | 20000.0 | 11105.0 | 6260.0 | -4845.0 | 24.22 | 922.50 | 1.577 | 568.898873 |
| Rajpimpri Wind 132kV | 11/01/2020 01:45:00 | 8 | 20000.0 | 10680.0 | 7880.0 | -2800.0 | 14.0 | 0.00 | -0.526 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 02:00:00 | 9 | 20000.0 | 10675.0 | 9230.0 | -1445.0 | 7.22 | 0.00 | -0.403 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 02:15:00 | 10 | 20000.0 | 10180.0 | 9540.0 | -640.0 | 3.2 | 0.00 | -0.630 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 02:30:00 | 11 | 20000.0 | 10160.0 | 8680.0 | -1480.0 | 7.4 | 0.00 | -0.526 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 02:45:00 | 12 | 20000.0 | 10180.0 | 8210.0 | -1970.0 | 9.85 | 0.00 | -0.526 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 03:00:00 | 13 | 20000.0 | 9325.0 | 8000.0 | -1325.0 | 6.62 | 0.00 | -1.051 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 03:15:00 | 14 | 20000.0 | 8760.0 | 7370.0 | -1390.0 | 6.95 | 0.00 | 0.000 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 03:30:00 | 15 | 20000.0 | 8660.0 | 8250.0 | -410.0 | 2.05 | 0.00 | 0.000 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 03:45:00 | 16 | 20000.0 | 8625.0 | 10020.0 | 1395.0 | 6.98 | 0.00 | 0.000 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 04:00:00 | 17 | 20000.0 | 18325.0 | 9930.0 | -8395.0 | 41.98 | 5092.50 | 0.000 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 04:15:00 | 18 | 20000.0 | 17840.0 | 9380.0 | -8460.0 | 42.3 | 5190.00 | -1.051 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 04:30:00 | 19 | 20000.0 | 17760.0 | 7710.0 | -10050.0 | 50.25 | 7575.00 | -2.964 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 04:45:00 | 20 | 20000.0 | 17260.0 | 5870.0 | -11390.0 | 56.95 | 9585.00 | -3.300 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 05:00:00 | 21 | 20000.0 | 17125.0 | 4420.0 | -12705.0 | 63.52 | 11557.50 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Wind 132kV | 11/01/2020 05:15:00 | 22 | 20000.0 | 16665.0 | 4060.0 | -12605.0 | 63.02 | 11407.50 | 5.314 | 15793.992605 |
| Rajpimpri Wind 132kV | 11/01/2020 05:30:00 | 23 | 20000.0 | 16310.0 | 4580.0 | -11730.0 | 58.65 | 10095.00 | 2.964 | 7101.943836 |
| Rajpimpri Wind 132kV | 11/01/2020 05:45:00 | 24 | 20000.0 | 16105.0 | 4610.0 | -11495.0 | 57.48 | 9742.50 | 2.103 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 06:00:00 | 25 | 20000.0 | 15630.0 | 4040.0 | -11590.0 | 57.95 | 9885.00 | 3.636 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 06:15:00 | 26 | 20000.0 | 15310.0 | 4880.0 | -10430.0 | 52.15 | 8145.00 | 2.964 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 06:30:00 | 27 | 20000.0 | 14825.0 | 6020.0 | -8805.0 | 44.02 | 5707.50 | 4.105 | 6468.420981 |
| Rajpimpri Wind 132kV | 11/01/2020 06:45:00 | 28 | 20000.0 | 14325.0 | 6670.0 | -7655.0 | 38.27 | 3982.50 | 5.650 | 1183.863406 |
| Rajpimpri Wind 132kV | 11/01/2020 07:00:00 | 29 | 20000.0 | 11160.0 | 6260.0 | -4900.0 | 24.5 | 950.00 | 3.300 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 07:15:00 | 30 | 20000.0 | 11275.0 | 6130.0 | -5145.0 | 25.72 | 1145.00 | 5.314 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 07:30:00 | 31 | 20000.0 | 10660.0 | 5580.0 | -5080.0 | 25.4 | 1080.00 | 2.964 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 07:45:00 | 32 | 20000.0 | 10310.0 | 4670.0 | -5640.0 | 28.2 | 1640.00 | 2.103 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 08:00:00 | 33 | 20000.0 | 10160.0 | 4670.0 | -5490.0 | 27.45 | 1490.00 | -1.577 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 08:15:00 | 34 | 20000.0 | 10075.0 | 3990.0 | -6085.0 | 30.43 | 2085.00 | 3.300 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 08:30:00 | 35 | 20000.0 | 9825.0 | 2930.0 | -6895.0 | 34.48 | 2895.00 | 2.116 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 08:45:00 | 36 | 20000.0 | 9770.0 | 2160.0 | -7610.0 | 38.05 | 3915.00 | 2.964 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 09:00:00 | 37 | 20000.0 | 9325.0 | 1750.0 | -7575.0 | 37.88 | 3862.50 | 6.681 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 09:15:00 | 38 | 20000.0 | 9260.0 | 1710.0 | -7550.0 | 37.75 | 3825.00 | 6.657 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 09:30:00 | 39 | 20000.0 | 9285.0 | 1720.0 | -7565.0 | 37.82 | 3847.50 | -6.322 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 09:45:00 | 40 | 20000.0 | 9300.0 | 1960.0 | -7340.0 | 36.7 | 3510.00 | -2.103 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 10:00:00 | 41 | 20000.0 | 5825.0 | 1920.0 | -3905.0 | 19.53 | 452.50 | 0.526 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 10:15:00 | 42 | 20000.0 | 5920.0 | 1940.0 | -3980.0 | 19.9 | 490.00 | 0.526 | 0.000000 |

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| Rajpimpri Wind 132kV | 11/01/2020 10:30:00 | 43 | 20000.0 | 5825.0 | 2040.0 | -3785.0 | 18.93 | 392.50 | 0.000 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 10:45:00 | 44 | 20000.0 | 5970.0 | 2060.0 | -3910.0 | 19.55 | 455.00 | 0.000 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 11:00:00 | 45 | 20000.0 | 5755.0 | 2220.0 | -3535.0 | 17.68 | 267.50 | 0.000 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 11:15:00 | 46 | 20000.0 | 5725.0 | 2260.0 | -3465.0 | 17.32 | 232.50 | -2.964 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 11:30:00 | 47 | 20000.0 | 5945.0 | 2360.0 | -3585.0 | 17.93 | 292.50 | -4.307 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 11:45:00 | 48 | 20000.0 | 5970.0 | 2460.0 | -3510.0 | 17.55 | 255.00 | -3.300 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 12:00:00 | 49 | 20000.0 | 5755.0 | 2470.0 | -3285.0 | 16.43 | 142.50 | -0.526 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 12:15:00 | 50 | 20000.0 | 5725.0 | 2330.0 | -3395.0 | 16.98 | 197.50 | -2.103 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 12:30:00 | 51 | 20000.0 | 5945.0 | 2290.0 | -3655.0 | 18.27 | 327.50 | -2.629 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 12:45:00 | 52 | 20000.0 | 5920.0 | 2280.0 | -3640.0 | 18.2 | 320.00 | -2.629 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 13:00:00 | 53 | 20000.0 | 5825.0 | 2430.0 | -3395.0 | 16.98 | 197.50 | 0.000 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 13:15:00 | 54 | 20000.0 | 5970.0 | 2050.0 | -3920.0 | 19.6 | 460.00 | -2.103 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 13:30:00 | 55 | 20000.0 | 5965.0 | 1670.0 | -4295.0 | 21.48 | 647.50 | 2.629 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 13:45:00 | 56 | 20000.0 | 5725.0 | 1460.0 | -4265.0 | 21.32 | 632.50 | 2.103 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 14:00:00 | 57 | 20000.0 | 5945.0 | 1380.0 | -4565.0 | 22.82 | 782.50 | 1.051 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 14:15:00 | 58 | 20000.0 | 5920.0 | 1340.0 | -4580.0 | 22.9 | 790.00 | 3.300 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 14:30:00 | 59 | 20000.0 | 5825.0 | 1170.0 | -4655.0 | 23.28 | 827.50 | -3.636 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 14:45:00 | 60 | 20000.0 | 5970.0 | 930.0 | -5040.0 | 25.2 | 1040.00 | 4.979 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 15:00:00 | 61 | 20000.0 | 5605.0 | 730.0 | -4875.0 | 24.38 | 937.50 | -2.964 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 15:15:00 | 62 | 20000.0 | 5920.0 | 700.0 | -5220.0 | 26.1 | 1220.00 | -5.314 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 15:30:00 | 63 | 20000.0 | 5825.0 | 660.0 | -5165.0 | 25.82 | 1165.00 | 2.964 | 0.000000 |

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| Rajpimpri Wind 132kV | 11/01/2020 15:45:00 | 64 | 20000.0 | 5970.0 | 580.0 | -5390.0 | 26.95 | 1390.00 | 4.643 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 16:00:00 | 65 | 20000.0 | 5920.0 | 440.0 | -5480.0 | 27.4 | 1480.00 | 2.103 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 16:15:00 | 66 | 20000.0 | 5825.0 | 350.0 | -5475.0 | 27.38 | 1475.00 | -2.964 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 16:30:00 | 67 | 20000.0 | 5970.0 | 250.0 | -5720.0 | 28.6 | 1720.00 | -2.103 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 16:45:00 | 68 | 20000.0 | 5605.0 | 130.0 | -5475.0 | 27.38 | 1475.00 | 3.972 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 17:00:00 | 69 | 20000.0 | 5920.0 | 60.0 | -5860.0 | 29.3 | 1860.00 | -1.577 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 17:15:00 | 70 | 20000.0 | 5825.0 | 110.0 | -5715.0 | 28.57 | 1715.00 | -1.577 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 17:30:00 | 71 | 20000.0 | 5970.0 | 260.0 | -5710.0 | 28.55 | 1710.00 | 1.051 | 72.855857 |
| Rajpimpri Wind 132kV | 11/01/2020 17:45:00 | 72 | 20000.0 | 5755.0 | 520.0 | -5235.0 | 26.17 | 1235.00 | -2.103 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 18:00:00 | 73 | 20000.0 | 5725.0 | 1040.0 | -4685.0 | 23.43 | 842.50 | -2.964 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 18:15:00 | 74 | 20000.0 | 5945.0 | 2030.0 | -3915.0 | 19.57 | 457.50 | -2.629 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 18:30:00 | 75 | 20000.0 | 5970.0 | 2840.0 | -3130.0 | 15.65 | 65.00 | 2.103 | 110.027305 |
| Rajpimpri Wind 132kV | 11/01/2020 18:45:00 | 76 | 20000.0 | 5755.0 | 3150.0 | -2605.0 | 13.03 | 0.00 | 0.526 | 268.124402 |
| Rajpimpri Wind 132kV | 11/01/2020 19:00:00 | 77 | 20000.0 | 5725.0 | 3160.0 | -2565.0 | 12.83 | 0.00 | 2.103 | 1048.563167 |
| Rajpimpri Wind 132kV | 11/01/2020 19:15:00 | 78 | 20000.0 | 5945.0 | 3280.0 | -2665.0 | 13.33 | 0.00 | -1.052 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 19:30:00 | 79 | 20000.0 | 5920.0 | 3250.0 | -2670.0 | 13.35 | 0.00 | 2.964 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 19:45:00 | 80 | 20000.0 | 5825.0 | 3010.0 | -2815.0 | 14.07 | 0.00 | 2.629 | 2093.900897 |
| Rajpimpri Wind 132kV | 11/01/2020 20:00:00 | 81 | 20000.0 | 5970.0 | 3090.0 | -2880.0 | 14.4 | 0.00 | 2.629 | 468.376455 |
| Rajpimpri Wind 132kV | 11/01/2020 20:15:00 | 82 | 20000.0 | 5965.0 | 4660.0 | -1305.0 | 6.53 | 0.00 | 4.307 | 699.839328 |
| Rajpimpri Wind 132kV | 11/01/2020 20:30:00 | 83 | 20000.0 | 5725.0 | 5810.0 | 85.0 | 0.43 | 0.00 | 2.964 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 20:45:00 | 84 | 20000.0 | 5945.0 | 6390.0 | 445.0 | 2.23 | 0.00 | 2.629 | 0.000000 |

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| Rajpimpri Wind 132kV | 11/01/2020 21:00:00 | 85 | 20000.0 | 7420.0 | 6500.0 | -920.0 | 4.6 | 0.00 | 3.636 | 197.218580 |
| Rajpimpri Wind 132kV | 11/01/2020 21:15:00 | 86 | 20000.0 | 7325.0 | 6220.0 | -1105.0 | 5.53 | 0.00 | -1.577 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 21:30:00 | 87 | 20000.0 | 7470.0 | 6480.0 | -990.0 | 4.95 | 0.00 | -1.577 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 21:45:00 | 88 | 20000.0 | 7105.0 | 5860.0 | -1245.0 | 6.22 | 0.00 | -1.052 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 22:00:00 | 89 | 20000.0 | 7420.0 | 4880.0 | -2540.0 | 12.7 | 0.00 | -5.650 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 22:15:00 | 90 | 20000.0 | 7325.0 | 4360.0 | -2965.0 | 14.82 | 0.00 | -5.650 | 0.000000 |
| Rajpimpri Wind 132kV | 11/01/2020 22:30:00 | 91 | 20000.0 | 15075.0 | 4300.0 | -10775.0 | 53.87 | 8662.50 | 4.979 | 5195.237522 |
| Rajpimpri Wind 132kV | 11/01/2020 22:45:00 | 92 | 20000.0 | 15780.0 | 4220.0 | -11560.0 | 57.8 | 9840.00 | 2.964 | 7259.481983 |
| Rajpimpri Wind 132kV | 11/01/2020 23:00:00 | 93 | 20000.0 | 16295.0 | 4030.0 | -12265.0 | 61.32 | 10897.50 | 1.577 | 1917.850382 |
| Rajpimpri Wind 132kV | 11/01/2020 23:15:00 | 94 | 20000.0 | 16725.0 | 4290.0 | -12435.0 | 62.18 | 11152.50 | 1.074 | 1590.432761 |
| Rajpimpri Wind 132kV | 11/01/2020 23:30:00 | 95 | 20000.0 | 17445.0 | 4930.0 | -12515.0 | 62.58 | 11272.50 | 2.113 | 7214.752545 |
| Rajpimpri Wind 132kV | 11/01/2020 23:45:00 | 96 | 20000.0 | 17625.0 | 6960.0 | -10665.0 | 53.33 | 8497.50 | 2.162 | 7926.274474 |
| Rajpimpri Wind 132kV | 12/01/2020 00:00:00 | 1 | 20000.0 | 10530.0 | 9740.0 | -790.0 | 3.95 | 0.00 | 3.022 | 485.903631 |
| Rajpimpri Wind 132kV | 12/01/2020 00:15:00 | 2 | 20000.0 | 10330.0 | 9010.0 | -1320.0 | 6.6 | 0.00 | -2.152 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 00:30:00 | 3 | 20000.0 | 10195.0 | 7210.0 | -2985.0 | 14.92 | 0.00 | -2.152 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 00:45:00 | 4 | 20000.0 | 10170.0 | 7490.0 | -2680.0 | 13.4 | 0.00 | -3.022 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 01:00:00 | 5 | 20000.0 | 10180.0 | 6900.0 | -3280.0 | 16.4 | 140.00 | -0.629 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 01:15:00 | 6 | 20000.0 | 10250.0 | 7770.0 | -2480.0 | 12.4 | 0.00 | -3.317 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 01:30:00 | 7 | 20000.0 | 16230.0 | 8460.0 | -7770.0 | 38.85 | 4155.00 | -3.354 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 01:45:00 | 8 | 20000.0 | 16145.0 | 7970.0 | -8175.0 | 40.88 | 4762.50 | -3.022 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 02:00:00 | 9 | 20000.0 | 15490.0 | 7230.0 | -8260.0 | 41.3 | 4890.00 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Wind 132kV | 12/01/2020 02:15:00 | 10 | 20000.0 | 15385.0 | 7510.0 | -7875.0 | 39.38 | 4312.50 | -3.022 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 02:30:00 | 11 | 20000.0 | 15310.0 | 7630.0 | -7680.0 | 38.4 | 4020.00 | -2.690 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 02:45:00 | 12 | 20000.0 | 15380.0 | 6980.0 | -8400.0 | 42.0 | 5100.00 | -3.022 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 03:00:00 | 13 | 20000.0 | 17295.0 | 6570.0 | -10725.0 | 53.62 | 8587.50 | 3.354 | 5078.148519 |
| Rajpimpri Wind 132kV | 12/01/2020 03:15:00 | 14 | 20000.0 | 17120.0 | 6400.0 | -10720.0 | 53.6 | 8580.00 | 3.022 | 6224.728689 |
| Rajpimpri Wind 132kV | 12/01/2020 03:30:00 | 15 | 20000.0 | 16850.0 | 6230.0 | -10620.0 | 53.1 | 8430.00 | 3.354 | 2287.225286 |
| Rajpimpri Wind 132kV | 12/01/2020 03:45:00 | 16 | 20000.0 | 17075.0 | 6490.0 | -10585.0 | 52.92 | 8377.50 | 2.152 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 04:00:00 | 17 | 20000.0 | 17370.0 | 7020.0 | -10350.0 | 51.75 | 8025.00 | -2.152 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 04:15:00 | 18 | 20000.0 | 13570.0 | 7410.0 | -6160.0 | 30.8 | 2160.00 | -3.022 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 04:30:00 | 19 | 20000.0 | 13295.0 | 8140.0 | -5155.0 | 25.77 | 1155.00 | 1.076 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 04:45:00 | 20 | 20000.0 | 13055.0 | 9020.0 | -4035.0 | 20.18 | 517.50 | -3.022 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 05:00:00 | 21 | 20000.0 | 12585.0 | 8520.0 | -4065.0 | 20.32 | 532.50 | 3.686 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 05:15:00 | 22 | 20000.0 | 12175.0 | 6740.0 | -5435.0 | 27.18 | 1435.00 | 3.686 | 5996.275483 |
| Rajpimpri Wind 132kV | 12/01/2020 05:30:00 | 23 | 20000.0 | 11750.0 | 4280.0 | -7470.0 | 37.35 | 3705.00 | -1.614 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 05:45:00 | 24 | 20000.0 | 13175.0 | 2580.0 | -10595.0 | 52.98 | 8392.50 | -0.496 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 06:00:00 | 25 | 20000.0 | 13260.0 | 1680.0 | -11580.0 | 57.9 | 9870.00 | 0.000 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 06:15:00 | 26 | 20000.0 | 13255.0 | 930.0 | -12325.0 | 61.62 | 10987.50 | -0.430 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 06:30:00 | 27 | 20000.0 | 13660.0 | 1080.0 | -12580.0 | 62.9 | 11370.00 | -2.152 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 06:45:00 | 28 | 20000.0 | 13625.0 | 1510.0 | -12115.0 | 60.58 | 10672.50 | 4.681 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 07:00:00 | 29 | 20000.0 | 13680.0 | 1800.0 | -11880.0 | 59.4 | 10320.00 | 1.614 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 07:15:00 | 30 | 20000.0 | 5825.0 | 1790.0 | -4035.0 | 20.18 | 517.50 | 3.838 | 3339.593708 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Wind 132kV | 12/01/2020 07:30:00 | 31 | 20000.0 | 5970.0 | 1220.0 | -4750.0 | 23.75 | 875.00 | 3.022 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 07:45:00 | 32 | 20000.0 | 5755.0 | 660.0 | -5095.0 | 25.47 | 1095.00 | 2.690 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 08:00:00 | 33 | 20000.0 | 5725.0 | 660.0 | -5065.0 | 25.32 | 1065.00 | -2.690 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 08:15:00 | 34 | 20000.0 | 5945.0 | 770.0 | -5175.0 | 25.87 | 1175.00 | -4.018 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 08:30:00 | 35 | 20000.0 | 5970.0 | 890.0 | -5080.0 | 25.4 | 1080.00 | -2.690 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 08:45:00 | 36 | 20000.0 | 5755.0 | 1090.0 | -4665.0 | 23.33 | 832.50 | 3.022 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 09:00:00 | 37 | 20000.0 | 5725.0 | 1280.0 | -4445.0 | 22.23 | 722.50 | -3.354 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 09:15:00 | 38 | 20000.0 | 5945.0 | 1440.0 | -4505.0 | 22.53 | 752.50 | -4.350 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 09:30:00 | 39 | 20000.0 | 5920.0 | 1510.0 | -4410.0 | 22.05 | 705.00 | 2.152 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 09:45:00 | 40 | 20000.0 | 5825.0 | 1650.0 | -4175.0 | 20.88 | 587.50 | -2.690 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 10:00:00 | 41 | 20000.0 | 5970.0 | 1830.0 | -4140.0 | 20.7 | 570.00 | -3.354 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 10:15:00 | 42 | 20000.0 | 5965.0 | 2010.0 | -3955.0 | 19.78 | 477.50 | -3.686 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 10:30:00 | 43 | 20000.0 | 4725.0 | 1990.0 | -2735.0 | 13.68 | 0.00 | -1.614 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 10:45:00 | 44 | 20000.0 | 4945.0 | 1860.0 | -3085.0 | 15.43 | 42.50 | 3.686 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 11:00:00 | 45 | 20000.0 | 4920.0 | 1890.0 | -3030.0 | 15.15 | 15.00 | -3.354 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 11:15:00 | 46 | 20000.0 | 4825.0 | 1920.0 | -2905.0 | 14.52 | 0.00 | -5.450 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 11:30:00 | 47 | 20000.0 | 4970.0 | 1920.0 | -3050.0 | 15.25 | 25.00 | -6.009 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 11:45:00 | 48 | 20000.0 | 4605.0 | 1940.0 | -2665.0 | 13.33 | 0.00 | 2.690 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 12:00:00 | 49 | 20000.0 | 4920.0 | 1950.0 | -2970.0 | 14.85 | 0.00 | 3.686 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 12:15:00 | 50 | 20000.0 | 4825.0 | 1900.0 | -2925.0 | 14.62 | 0.00 | -5.345 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 12:30:00 | 51 | 20000.0 | 4970.0 | 1910.0 | -3060.0 | 15.3 | 30.00 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Wind 132kV | 12/01/2020 12:45:00 | 52 | 20000.0 | 4920.0 | 1910.0 | -3010.0 | 15.05 | 5.00 | -5.345 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 13:00:00 | 53 | 20000.0 | 4825.0 | 1870.0 | -2955.0 | 14.77 | 0.00 | -3.999 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 13:15:00 | 54 | 20000.0 | 4970.0 | 1910.0 | -3060.0 | 15.3 | 30.00 | -4.350 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 13:30:00 | 55 | 20000.0 | 4755.0 | 1880.0 | -2875.0 | 14.37 | 0.00 | -1.076 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 13:45:00 | 56 | 20000.0 | 4725.0 | 1700.0 | -3025.0 | 15.12 | 12.50 | -2.690 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 14:00:00 | 57 | 20000.0 | 4945.0 | 1650.0 | -3295.0 | 16.48 | 147.50 | -0.538 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 14:15:00 | 58 | 20000.0 | 4970.0 | 1510.0 | -3460.0 | 17.3 | 230.00 | -2.152 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 14:30:00 | 59 | 20000.0 | 4755.0 | 1420.0 | -3335.0 | 16.68 | 167.50 | -2.690 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 14:45:00 | 60 | 20000.0 | 4725.0 | 1290.0 | -3435.0 | 17.18 | 217.50 | -1.076 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 15:00:00 | 61 | 20000.0 | 4945.0 | 1200.0 | -3745.0 | 18.73 | 372.50 | 0.000 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 15:15:00 | 62 | 20000.0 | 4920.0 | 1040.0 | -3880.0 | 19.4 | 440.00 | -2.690 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 15:30:00 | 63 | 20000.0 | 4825.0 | 880.0 | -3945.0 | 19.73 | 472.50 | -3.022 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 15:45:00 | 64 | 20000.0 | 4970.0 | 730.0 | -4240.0 | 21.2 | 620.00 | -3.686 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 16:00:00 | 65 | 20000.0 | 4965.0 | 590.0 | -4375.0 | 21.88 | 687.50 | -3.737 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 16:15:00 | 66 | 20000.0 | 4725.0 | 430.0 | -4295.0 | 21.48 | 647.50 | -5.786 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 16:30:00 | 67 | 20000.0 | 4945.0 | 290.0 | -4655.0 | 23.28 | 827.50 | -4.350 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 16:45:00 | 68 | 20000.0 | 4920.0 | 160.0 | -4760.0 | 23.8 | 880.00 | -1.614 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 17:00:00 | 69 | 20000.0 | 4825.0 | 10.0 | -4815.0 | 24.07 | 907.50 | 0.000 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 17:15:00 | 70 | 20000.0 | 4970.0 | 0.0 | -4970.0 | 24.85 | 985.00 | 2.690 | 1288.491156 |
| Rajpimpri Wind 132kV | 12/01/2020 17:30:00 | 71 | 20000.0 | 4605.0 | 0.0 | -4605.0 | 23.03 | 802.50 | -3.022 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 17:45:00 | 72 | 20000.0 | 4920.0 | 0.0 | -4920.0 | 24.6 | 960.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Wind 132kV | 12/01/2020 18:00:00 | 73 | 20000.0 | 4825.0 | 0.0 | -4825.0 | 24.12 | 912.50 | -0.538 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 18:15:00 | 74 | 20000.0 | 4970.0 | 0.0 | -4970.0 | 24.85 | 985.00 | -4.350 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 18:30:00 | 75 | 20000.0 | 4920.0 | 0.0 | -4920.0 | 24.6 | 960.00 | 2.690 | 846.068535 |
| Rajpimpri Wind 132kV | 12/01/2020 18:45:00 | 76 | 20000.0 | 4825.0 | 0.0 | -4825.0 | 24.12 | 912.50 | 3.022 | 5345.454605 |
| Rajpimpri Wind 132kV | 12/01/2020 19:00:00 | 77 | 20000.0 | 4970.0 | 250.0 | -4720.0 | 23.6 | 860.00 | 3.686 | 1679.645091 |
| Rajpimpri Wind 132kV | 12/01/2020 19:15:00 | 78 | 20000.0 | 4755.0 | 950.0 | -3805.0 | 19.02 | 402.50 | 2.690 | 80.373226 |
| Rajpimpri Wind 132kV | 12/01/2020 19:30:00 | 79 | 20000.0 | 4725.0 | 1500.0 | -3225.0 | 16.12 | 112.50 | -3.022 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 19:45:00 | 80 | 20000.0 | 4945.0 | 1370.0 | -3575.0 | 17.88 | 287.50 | -1.781 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 20:00:00 | 81 | 20000.0 | 4970.0 | 1050.0 | -3920.0 | 19.6 | 460.00 | -3.021 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 20:15:00 | 82 | 20000.0 | 4755.0 | 950.0 | -3805.0 | 19.02 | 402.50 | -4.018 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 20:30:00 | 83 | 20000.0 | 4725.0 | 940.0 | -3785.0 | 18.93 | 392.50 | -3.354 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 20:45:00 | 84 | 20000.0 | 4945.0 | 910.0 | -4035.0 | 20.18 | 517.50 | -1.614 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 21:00:00 | 85 | 20000.0 | 4920.0 | 1020.0 | -3900.0 | 19.5 | 450.00 | -4.350 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 21:15:00 | 86 | 20000.0 | 4825.0 | 1090.0 | -3735.0 | 18.68 | 367.50 | -3.686 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 21:30:00 | 87 | 20000.0 | 4970.0 | 1390.0 | -3580.0 | 17.9 | 290.00 | -1.614 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 21:45:00 | 88 | 20000.0 | 4965.0 | 1870.0 | -3095.0 | 15.47 | 47.50 | 0.000 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 22:00:00 | 89 | 20000.0 | 4725.0 | 1830.0 | -2895.0 | 14.47 | 0.00 | -3.354 | 0.000000 |
| Rajpimpri Wind 132kV | 12/01/2020 22:15:00 | 90 | 20000.0 | 4945.0 | 1750.0 | -3195.0 | 15.97 | 97.50 | 4.350 | 3900.937733 |
| Rajpimpri Wind 132kV | 12/01/2020 22:30:00 | 91 | 20000.0 | 4920.0 | 1330.0 | -3590.0 | 17.95 | 295.00 | 5.215 | 8266.465436 |
| Rajpimpri Wind 132kV | 12/01/2020 22:45:00 | 92 | 20000.0 | 4825.0 | 1280.0 | -3545.0 | 17.72 | 272.50 | 3.022 | 799.077295 |
| Rajpimpri Wind 132kV | 12/01/2020 23:00:00 | 93 | 20000.0 | 4970.0 | 1510.0 | -3460.0 | 17.3 | 230.00 | 3.022 | 1708.280154 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rajpimpri Wind 132kV | 12/01/2020 23:15:00 | 94 | 20000.0 | 4605.0 | 1530.0 | -3075.0 | 15.38 | 37.50 | 2.152 | 1511.693450 |
| Rajpimpri Wind 132kV | 12/01/2020 23:30:00 | 95 | 20000.0 | 4920.0 | 1360.0 | -3560.0 | 17.8 | 280.00 | 2.152 | 1007.120595 |
| Rajpimpri Wind 132kV | 12/01/2020 23:45:00 | 96 | 20000.0 | 4825.0 | 1370.0 | -3455.0 | 17.27 | 227.50 | 2.152 | 1123.042980 |
| Rohatwadi 33kV | 06/01/2020 00:00:00 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.903 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 00:15:00 | 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 00:30:00 | 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 00:45:00 | 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.984 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 01:00:00 | 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.541 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 01:15:00 | 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 01:30:00 | 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.541 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 01:45:00 | 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.352 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 02:00:00 | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.747 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 02:15:00 | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.581 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 02:30:00 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.323 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 02:45:00 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 03:00:00 | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 03:15:00 | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.742 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 03:30:00 | 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 03:45:00 | 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.541 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 04:00:00 | 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.496 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 04:15:00 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |

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| Rohatwadi 33kV | 06/01/2020 04:30:00 | 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.859 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 04:45:00 | 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.815 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 05:00:00 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.859 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 05:15:00 | 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.407 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 05:30:00 | 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.496 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 05:45:00 | 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.492 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 06:00:00 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.452 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 06:15:00 | 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -6.089 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 06:30:00 | 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -7.044 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 06:45:00 | 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.682 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 07:00:00 | 29 | 0.0 | 0.0 | 16.5 | 16.5 | 0.0 | 0.00 | -3.859 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 07:15:00 | 30 | 0.0 | 0.0 | 55.5 | 55.5 | 0.0 | 0.00 | 4.815 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 07:30:00 | 31 | 0.0 | 0.0 | 201.0 | 201.0 | 0.0 | 0.00 | 4.178 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 07:45:00 | 32 | 0.0 | 0.0 | 333.0 | 333.0 | 0.0 | 0.00 | -3.540 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 08:00:00 | 33 | 0.0 | 0.0 | 445.5 | 445.5 | 0.0 | 0.00 | -3.859 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 08:15:00 | 34 | 0.0 | 0.0 | 586.5 | 586.5 | 0.0 | 0.00 | -5.452 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 08:30:00 | 35 | 0.0 | 0.0 | 570.0 | 570.0 | 0.0 | 0.00 | 4.178 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 08:45:00 | 36 | 0.0 | 0.0 | 808.5 | 808.5 | 0.0 | 0.00 | -3.859 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 09:00:00 | 37 | 0.0 | 0.0 | 1186.5 | 1186.5 | 0.0 | 0.00 | -6.407 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 09:15:00 | 38 | 0.0 | 0.0 | 1420.5 | 1420.5 | 0.0 | 0.00 | -8.000 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 09:30:00 | 39 | 0.0 | 0.0 | 1591.5 | 1591.5 | 0.0 | 0.00 | -5.770 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rohatwadi 33kV | 06/01/2020 09:45:00 | 40 | 0.0 | 0.0 | 1761.0 | 1761.0 | 0.0 | 0.00 | 3.222 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 10:00:00 | 41 | 0.0 | 0.0 | 1902.0 | 1902.0 | 0.0 | 0.00 | -2.903 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 10:15:00 | 42 | 0.0 | 0.0 | 2026.5 | 2026.5 | 0.0 | 0.00 | -3.222 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 10:30:00 | 43 | 0.0 | 0.0 | 2128.5 | 2128.5 | 0.0 | 0.00 | 4.815 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 10:45:00 | 44 | 0.0 | 0.0 | 2181.0 | 2181.0 | 0.0 | 0.00 | 4.496 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 11:00:00 | 45 | 0.0 | 0.0 | 2238.0 | 2238.0 | 0.0 | 0.00 | 16.000 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 11:15:00 | 46 | 0.0 | 0.0 | 2310.0 | 2310.0 | 0.0 | 0.00 | 5.133 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 11:30:00 | 47 | 0.0 | 0.0 | 2265.0 | 2265.0 | 0.0 | 0.00 | 1.182 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 11:45:00 | 48 | 0.0 | 0.0 | 2170.5 | 2170.5 | 0.0 | 0.00 | 6.308 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 12:00:00 | 49 | 0.0 | 0.0 | 2116.5 | 2116.5 | 0.0 | 0.00 | 6.598 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 12:15:00 | 50 | 0.0 | 0.0 | 1878.0 | 1878.0 | 0.0 | 0.00 | 5.431 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 12:30:00 | 51 | 0.0 | 0.0 | 2278.5 | 2278.5 | 0.0 | 0.00 | 3.540 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 12:45:00 | 52 | 0.0 | 0.0 | 2212.5 | 2212.5 | 0.0 | 0.00 | -2.903 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 13:00:00 | 53 | 0.0 | 0.0 | 2391.0 | 2391.0 | 0.0 | 0.00 | -1.161 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 13:15:00 | 54 | 0.0 | 0.0 | 2350.5 | 2350.5 | 0.0 | 0.00 | 3.859 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 13:30:00 | 55 | 0.0 | 0.0 | 2011.5 | 2011.5 | 0.0 | 0.00 | -6.407 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 13:45:00 | 56 | 0.0 | 0.0 | 1234.5 | 1234.5 | 0.0 | 0.00 | 5.452 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 14:00:00 | 57 | 0.0 | 0.0 | 1236.0 | 1236.0 | 0.0 | 0.00 | 5.452 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 14:15:00 | 58 | 0.0 | 0.0 | 1306.5 | 1306.5 | 0.0 | 0.00 | 16.000 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 14:30:00 | 59 | 0.0 | 0.0 | 1261.5 | 1261.5 | 0.0 | 0.00 | 6.035 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 14:45:00 | 60 | 0.0 | 0.0 | 784.5 | 784.5 | 0.0 | 0.00 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rohatwadi 33kV | 06/01/2020 15:00:00 | 61 | 0.0 | 0.0 | 1257.0 | 1257.0 | 0.0 | 0.00 | 3.367 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 15:15:00 | 62 | 0.0 | 0.0 | 708.0 | 708.0 | 0.0 | 0.00 | 3.904 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 15:30:00 | 63 | 0.0 | 0.0 | 729.0 | 729.0 | 0.0 | 0.00 | 4.482 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 15:45:00 | 64 | 0.0 | 0.0 | 1026.0 | 1026.0 | 0.0 | 0.00 | 4.225 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 16:00:00 | 65 | 0.0 | 0.0 | 507.0 | 507.0 | 0.0 | 0.00 | 2.895 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 16:15:00 | 66 | 0.0 | 0.0 | 427.5 | 427.5 | 0.0 | 0.00 | 6.089 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 16:30:00 | 67 | 0.0 | 0.0 | 540.0 | 540.0 | 0.0 | 0.00 | -8.000 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 16:45:00 | 68 | 0.0 | 0.0 | 406.5 | 406.5 | 0.0 | 0.00 | -4.178 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 17:00:00 | 69 | 0.0 | 0.0 | 270.0 | 270.0 | 0.0 | 0.00 | 1.742 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 17:15:00 | 70 | 0.0 | 0.0 | 157.5 | 157.5 | 0.0 | 0.00 | 2.903 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 17:30:00 | 71 | 0.0 | 0.0 | 75.0 | 75.0 | 0.0 | 0.00 | -4.178 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 17:45:00 | 72 | 0.0 | 0.0 | 12.0 | 12.0 | 0.0 | 0.00 | -2.323 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 18:00:00 | 73 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.903 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 18:15:00 | 74 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.161 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 18:30:00 | 75 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.903 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 18:45:00 | 76 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.903 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 19:00:00 | 77 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.161 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 19:15:00 | 78 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.178 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 19:30:00 | 79 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.323 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 19:45:00 | 80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.178 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 20:00:00 | 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rohatwadi 33kV | 06/01/2020 20:15:00 | 82 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.770 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 20:30:00 | 83 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.770 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 20:45:00 | 84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.178 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 21:00:00 | 85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 21:15:00 | 86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.742 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 21:30:00 | 87 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 21:45:00 | 88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.161 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 22:00:00 | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.815 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 22:15:00 | 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.859 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 22:30:00 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.742 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 22:45:00 | 92 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.323 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 23:00:00 | 93 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.903 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 23:15:00 | 94 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 23:30:00 | 95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.222 | 0.000000 |
| Rohatwadi 33kV | 06/01/2020 23:45:00 | 96 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 00:00:00 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.549 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 00:15:00 | 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.647 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 00:30:00 | 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.073 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 00:45:00 | 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.744 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 01:00:00 | 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 01:15:00 | 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rohatwadi 33kV | 07/01/2020 01:30:00 | 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 01:45:00 | 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 02:00:00 | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.073 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 02:15:00 | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.073 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 02:30:00 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.401 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 02:45:00 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.745 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 03:00:00 | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 03:15:00 | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.196 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 03:30:00 | 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 03:45:00 | 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.098 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 04:00:00 | 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 04:15:00 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.210 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 04:30:00 | 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 04:45:00 | 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.098 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 05:00:00 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.744 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 05:15:00 | 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 05:30:00 | 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.073 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 05:45:00 | 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 06:00:00 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.372 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 06:15:00 | 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.556 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 06:30:00 | 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.148 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rohatwadi 33kV | 07/01/2020 06:45:00 | 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.821 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 07:00:00 | 29 | 0.0 | 0.0 | 19.5 | 19.5 | 0.0 | 0.00 | 5.372 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 07:15:00 | 30 | 0.0 | 0.0 | 90.0 | 90.0 | 0.0 | 0.00 | 16.000 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 07:30:00 | 31 | 0.0 | 0.0 | 184.5 | 184.5 | 0.0 | 0.00 | 9.296 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 07:45:00 | 32 | 0.0 | 0.0 | 283.5 | 283.5 | 0.0 | 0.00 | 9.794 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 08:00:00 | 33 | 0.0 | 0.0 | 433.5 | 433.5 | 0.0 | 0.00 | 3.593 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 08:15:00 | 34 | 0.0 | 0.0 | 514.5 | 514.5 | 0.0 | 0.00 | 3.401 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 08:30:00 | 35 | 0.0 | 0.0 | 883.5 | 883.5 | 0.0 | 0.00 | 3.245 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 08:45:00 | 36 | 0.0 | 0.0 | 1102.5 | 1102.5 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 09:00:00 | 37 | 0.0 | 0.0 | 1236.0 | 1236.0 | 0.0 | 0.00 | 2.745 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 09:15:00 | 38 | 0.0 | 0.0 | 1335.0 | 1335.0 | 0.0 | 0.00 | 4.715 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 09:30:00 | 39 | 0.0 | 0.0 | 1557.0 | 1557.0 | 0.0 | 0.00 | 3.981 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 09:45:00 | 40 | 0.0 | 0.0 | 1215.0 | 1215.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 10:00:00 | 41 | 0.0 | 0.0 | 1515.0 | 1515.0 | 0.0 | 0.00 | 1.780 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 10:15:00 | 42 | 0.0 | 0.0 | 1528.5 | 1528.5 | 0.0 | 0.00 | 5.643 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 10:30:00 | 43 | 0.0 | 0.0 | 1975.5 | 1975.5 | 0.0 | 0.00 | 4.976 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 10:45:00 | 44 | 0.0 | 0.0 | 2190.0 | 2190.0 | 0.0 | 0.00 | 4.415 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 11:00:00 | 45 | 0.0 | 0.0 | 2232.0 | 2232.0 | 0.0 | 0.00 | 4.476 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 11:15:00 | 46 | 0.0 | 0.0 | 1939.5 | 1939.5 | 0.0 | 0.00 | 4.826 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 11:30:00 | 47 | 0.0 | 0.0 | 2211.0 | 2211.0 | 0.0 | 0.00 | 2.289 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 11:45:00 | 48 | 0.0 | 0.0 | 2194.5 | 2194.5 | 0.0 | 0.00 | -0.549 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rohatwadi 33kV | 07/01/2020 12:00:00 | 49 | 0.0 | 0.0 | 1303.5 | 1303.5 | 0.0 | 0.00 | 4.727 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 12:15:00 | 50 | 0.0 | 0.0 | 1410.0 | 1410.0 | 0.0 | 0.00 | 4.777 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 12:30:00 | 51 | 0.0 | 0.0 | 2062.5 | 2062.5 | 0.0 | 0.00 | 4.798 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 12:45:00 | 52 | 0.0 | 0.0 | 1477.5 | 1477.5 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 13:00:00 | 53 | 0.0 | 0.0 | 2100.0 | 2100.0 | 0.0 | 0.00 | -2.431 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 13:15:00 | 54 | 0.0 | 0.0 | 2101.5 | 2101.5 | 0.0 | 0.00 | -4.387 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 13:30:00 | 55 | 0.0 | 0.0 | 2127.0 | 2127.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 13:45:00 | 56 | 0.0 | 0.0 | 1618.5 | 1618.5 | 0.0 | 0.00 | -5.044 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 14:00:00 | 57 | 0.0 | 0.0 | 1396.5 | 1396.5 | 0.0 | 0.00 | 4.215 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 14:15:00 | 58 | 0.0 | 0.0 | 1855.5 | 1855.5 | 0.0 | 0.00 | 9.552 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 14:30:00 | 59 | 0.0 | 0.0 | 1603.5 | 1603.5 | 0.0 | 0.00 | 6.358 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 14:45:00 | 60 | 0.0 | 0.0 | 784.5 | 784.5 | 0.0 | 0.00 | 2.744 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 15:00:00 | 61 | 0.0 | 0.0 | 919.5 | 919.5 | 0.0 | 0.00 | -3.073 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 15:15:00 | 62 | 0.0 | 0.0 | 1252.5 | 1252.5 | 0.0 | 0.00 | -4.058 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 15:30:00 | 63 | 0.0 | 0.0 | 1656.0 | 1656.0 | 0.0 | 0.00 | -4.831 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 15:45:00 | 64 | 0.0 | 0.0 | 1044.0 | 1044.0 | 0.0 | 0.00 | -5.372 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 16:00:00 | 65 | 0.0 | 0.0 | 586.5 | 586.5 | 0.0 | 0.00 | 2.196 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 16:15:00 | 66 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 16:30:00 | 67 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.738 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 16:45:00 | 68 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.343 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 17:00:00 | 69 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rohatwadi 33kV | 07/01/2020 17:15:00 | 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.744 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 17:30:00 | 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.401 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 17:45:00 | 72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.745 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 18:00:00 | 73 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.073 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 18:15:00 | 74 | 0.0 | 0.0 | 153.0 | 153.0 | 0.0 | 0.00 | -5.372 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 18:30:00 | 75 | 0.0 | 0.0 | 484.5 | 484.5 | 0.0 | 0.00 | 3.401 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 18:45:00 | 76 | 0.0 | 0.0 | 820.5 | 820.5 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 19:00:00 | 77 | 0.0 | 0.0 | 507.0 | 507.0 | 0.0 | 0.00 | -3.730 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 19:15:00 | 78 | 0.0 | 0.0 | 271.5 | 271.5 | 0.0 | 0.00 | -4.715 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 19:30:00 | 79 | 0.0 | 0.0 | 274.5 | 274.5 | 0.0 | 0.00 | -4.058 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 19:45:00 | 80 | 0.0 | 0.0 | 160.5 | 160.5 | 0.0 | 0.00 | -2.210 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 20:00:00 | 81 | 0.0 | 0.0 | 88.5 | 88.5 | 0.0 | 0.00 | -2.348 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 20:15:00 | 82 | 0.0 | 0.0 | 22.5 | 22.5 | 0.0 | 0.00 | 4.387 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 20:30:00 | 83 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.816 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 20:45:00 | 84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.401 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 21:00:00 | 85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 21:15:00 | 86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 21:30:00 | 87 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.196 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 21:45:00 | 88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.196 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 22:00:00 | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.257 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 22:15:00 | 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rohatwadi 33kV | 07/01/2020 22:30:00 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.098 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 22:45:00 | 92 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.647 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 23:00:00 | 93 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 23:15:00 | 94 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 23:30:00 | 95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.196 | 0.000000 |
| Rohatwadi 33kV | 07/01/2020 23:45:00 | 96 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.549 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 00:00:00 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 00:15:00 | 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 00:30:00 | 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 00:45:00 | 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.424 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 01:00:00 | 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.170 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 01:15:00 | 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.761 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 01:30:00 | 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.665 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 01:45:00 | 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.665 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 02:00:00 | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 02:15:00 | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.347 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 02:30:00 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 02:45:00 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 03:00:00 | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.428 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 03:15:00 | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 03:30:00 | 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rohatwadi 33kV | 08/01/2020 03:45:00 | 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 04:00:00 | 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 04:15:00 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.665 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 04:30:00 | 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 04:45:00 | 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 05:00:00 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 05:15:00 | 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 05:30:00 | 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.428 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 05:45:00 | 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 06:00:00 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 06:15:00 | 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.220 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 06:30:00 | 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.387 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 06:45:00 | 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.734 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 07:00:00 | 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.407 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 07:15:00 | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.061 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 07:30:00 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.714 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 07:45:00 | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.061 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 08:00:00 | 33 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 08:15:00 | 34 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 08:30:00 | 35 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.387 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 08:45:00 | 36 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rohatwadi 33kV | 08/01/2020 09:00:00 | 37 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.673 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 09:15:00 | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.673 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 09:30:00 | 39 | 0.0 | 0.0 | 10.5 | 10.5 | 0.0 | 0.00 | 3.101 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 09:45:00 | 40 | 0.0 | 0.0 | 69.0 | 69.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 10:00:00 | 41 | 0.0 | 0.0 | 145.5 | 145.5 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 10:15:00 | 42 | 0.0 | 0.0 | 285.0 | 285.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 10:30:00 | 43 | 0.0 | 0.0 | 435.0 | 435.0 | 0.0 | 0.00 | -1.665 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 10:45:00 | 44 | 0.0 | 0.0 | 709.5 | 709.5 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 11:00:00 | 45 | 0.0 | 0.0 | 904.5 | 904.5 | 0.0 | 0.00 | -1.486 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 11:15:00 | 46 | 0.0 | 0.0 | 1044.0 | 1044.0 | 0.0 | 0.00 | -1.305 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 11:30:00 | 47 | 0.0 | 0.0 | 1323.0 | 1323.0 | 0.0 | 0.00 | -2.425 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 11:45:00 | 48 | 0.0 | 0.0 | 1462.5 | 1462.5 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 12:00:00 | 49 | 0.0 | 0.0 | 1695.0 | 1695.0 | 0.0 | 0.00 | -2.083 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 12:15:00 | 50 | 0.0 | 0.0 | 1866.0 | 1866.0 | 0.0 | 0.00 | -3.242 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 12:30:00 | 51 | 0.0 | 0.0 | 1963.5 | 1963.5 | 0.0 | 0.00 | -1.330 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 12:45:00 | 52 | 0.0 | 0.0 | 2017.5 | 2017.5 | 0.0 | 0.00 | -0.830 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 13:00:00 | 53 | 0.0 | 0.0 | 2194.5 | 2194.5 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 13:15:00 | 54 | 0.0 | 0.0 | 2298.0 | 2298.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 13:30:00 | 55 | 0.0 | 0.0 | 2352.0 | 2352.0 | 0.0 | 0.00 | -1.012 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 13:45:00 | 56 | 0.0 | 0.0 | 2392.5 | 2392.5 | 0.0 | 0.00 | -1.087 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 14:00:00 | 57 | 0.0 | 0.0 | 2395.5 | 2395.5 | 0.0 | 0.00 | -3.101 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rohatwadi 33kV | 08/01/2020 14:15:00 | 58 | 0.0 | 0.0 | 2410.5 | 2410.5 | 0.0 | 0.00 | -4.081 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 14:30:00 | 59 | 0.0 | 0.0 | 2434.5 | 2434.5 | 0.0 | 0.00 | -2.996 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 14:45:00 | 60 | 0.0 | 0.0 | 2434.5 | 2434.5 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 15:00:00 | 61 | 0.0 | 0.0 | 2431.5 | 2431.5 | 0.0 | 0.00 | -1.879 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 15:15:00 | 62 | 0.0 | 0.0 | 2427.0 | 2427.0 | 0.0 | 0.00 | -4.081 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 15:30:00 | 63 | 0.0 | 0.0 | 2364.0 | 2364.0 | 0.0 | 0.00 | 4.938 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 15:45:00 | 64 | 0.0 | 0.0 | 2431.5 | 2431.5 | 0.0 | 0.00 | 4.719 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 16:00:00 | 65 | 0.0 | 0.0 | 2313.0 | 2313.0 | 0.0 | 0.00 | 0.555 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 16:15:00 | 66 | 0.0 | 0.0 | 2326.5 | 2326.5 | 0.0 | 0.00 | -4.081 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 16:30:00 | 67 | 0.0 | 0.0 | 2124.0 | 2124.0 | 0.0 | 0.00 | -3.754 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 16:45:00 | 68 | 0.0 | 0.0 | 2095.5 | 2095.5 | 0.0 | 0.00 | -8.000 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 17:00:00 | 69 | 0.0 | 0.0 | 2091.0 | 2091.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 17:15:00 | 70 | 0.0 | 0.0 | 1336.5 | 1336.5 | 0.0 | 0.00 | 4.081 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 17:30:00 | 71 | 0.0 | 0.0 | 1464.0 | 1464.0 | 0.0 | 0.00 | -5.387 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 17:45:00 | 72 | 0.0 | 0.0 | 916.5 | 916.5 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 18:00:00 | 73 | 0.0 | 0.0 | 1065.0 | 1065.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 18:15:00 | 74 | 0.0 | 0.0 | 1000.5 | 1000.5 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 18:30:00 | 75 | 0.0 | 0.0 | 741.0 | 741.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 18:45:00 | 76 | 0.0 | 0.0 | 726.0 | 726.0 | 0.0 | 0.00 | 2.220 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 19:00:00 | 77 | 0.0 | 0.0 | 519.0 | 519.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 19:15:00 | 78 | 0.0 | 0.0 | 397.5 | 397.5 | 0.0 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rohatwadi 33kV | 08/01/2020 19:30:00 | 79 | 0.0 | 0.0 | 286.5 | 286.5 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 19:45:00 | 80 | 0.0 | 0.0 | 177.0 | 177.0 | 0.0 | 0.00 | -0.555 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 20:00:00 | 81 | 0.0 | 0.0 | 78.0 | 78.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 20:15:00 | 82 | 0.0 | 0.0 | 16.5 | 16.5 | 0.0 | 0.00 | 3.101 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 20:30:00 | 83 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.408 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 20:45:00 | 84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.101 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 21:00:00 | 85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.101 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 21:15:00 | 86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.555 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 21:30:00 | 87 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 21:45:00 | 88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 22:00:00 | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.489 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 22:15:00 | 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 22:30:00 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.223 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 22:45:00 | 92 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 23:00:00 | 93 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 23:15:00 | 94 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 23:30:00 | 95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Rohatwadi 33kV | 08/01/2020 23:45:00 | 96 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 00:00:00 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 00:15:00 | 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 00:30:00 | 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rohatwadi 33kV | 09/01/2020 00:45:00 | 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 01:00:00 | 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.519 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 01:15:00 | 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.519 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 01:30:00 | 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.199 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 01:45:00 | 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.519 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 02:00:00 | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.519 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 02:15:00 | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.879 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 02:30:00 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.199 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 02:45:00 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 03:00:00 | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 03:15:00 | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.839 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 03:30:00 | 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.199 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 03:45:00 | 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 04:00:00 | 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 04:15:00 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 04:30:00 | 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 04:45:00 | 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.879 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 05:00:00 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.839 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 05:15:00 | 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.119 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 05:30:00 | 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.064 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 05:45:00 | 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rohatwadi 33kV | 09/01/2020 06:00:00 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.303 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 06:15:00 | 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.303 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 06:30:00 | 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.839 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 06:45:00 | 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 07:00:00 | 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 07:15:00 | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.400 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 07:30:00 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.172 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 07:45:00 | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.576 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 08:00:00 | 33 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 08:15:00 | 34 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.152 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 08:30:00 | 35 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.576 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 08:45:00 | 36 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 09:00:00 | 37 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 09:15:00 | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 09:30:00 | 39 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.839 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 09:45:00 | 40 | 0.0 | 0.0 | 16.5 | 16.5 | 0.0 | 0.00 | -1.152 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 10:00:00 | 41 | 0.0 | 0.0 | 43.5 | 43.5 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 10:15:00 | 42 | 0.0 | 0.0 | 84.0 | 84.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 10:30:00 | 43 | 0.0 | 0.0 | 142.5 | 142.5 | 0.0 | 0.00 | 2.303 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 10:45:00 | 44 | 0.0 | 0.0 | 211.5 | 211.5 | 0.0 | 0.00 | -1.144 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 11:00:00 | 45 | 0.0 | 0.0 | 292.5 | 292.5 | 0.0 | 0.00 | -4.479 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rohatwadi 33kV | 09/01/2020 11:15:00 | 46 | 0.0 | 0.0 | 423.0 | 423.0 | 0.0 | 0.00 | -3.519 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 11:30:00 | 47 | 0.0 | 0.0 | 556.5 | 556.5 | 0.0 | 0.00 | -2.303 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 11:45:00 | 48 | 0.0 | 0.0 | 867.0 | 867.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 12:00:00 | 49 | 0.0 | 0.0 | 1437.0 | 1437.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 12:15:00 | 50 | 0.0 | 0.0 | 1773.0 | 1773.0 | 0.0 | 0.00 | 3.839 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 12:30:00 | 51 | 0.0 | 0.0 | 1900.5 | 1900.5 | 0.0 | 0.00 | 3.199 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 12:45:00 | 52 | 0.0 | 0.0 | 2014.5 | 2014.5 | 0.0 | 0.00 | 3.199 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 13:00:00 | 53 | 0.0 | 0.0 | 2139.0 | 2139.0 | 0.0 | 0.00 | -1.152 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 13:15:00 | 54 | 0.0 | 0.0 | 2220.0 | 2220.0 | 0.0 | 0.00 | -1.152 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 13:30:00 | 55 | 0.0 | 0.0 | 2296.5 | 2296.5 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 13:45:00 | 56 | 0.0 | 0.0 | 2341.5 | 2341.5 | 0.0 | 0.00 | 3.199 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 14:00:00 | 57 | 0.0 | 0.0 | 2359.5 | 2359.5 | 0.0 | 0.00 | 4.345 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 14:15:00 | 58 | 0.0 | 0.0 | 2388.0 | 2388.0 | 0.0 | 0.00 | 3.941 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 14:30:00 | 59 | 0.0 | 0.0 | 2397.0 | 2397.0 | 0.0 | 0.00 | 1.152 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 14:45:00 | 60 | 0.0 | 0.0 | 2392.5 | 2392.5 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 15:00:00 | 61 | 0.0 | 0.0 | 2391.0 | 2391.0 | 0.0 | 0.00 | -1.006 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 15:15:00 | 62 | 0.0 | 0.0 | 2376.0 | 2376.0 | 0.0 | 0.00 | 3.199 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 15:30:00 | 63 | 0.0 | 0.0 | 2344.5 | 2344.5 | 0.0 | 0.00 | 2.879 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 15:45:00 | 64 | 0.0 | 0.0 | 2311.5 | 2311.5 | 0.0 | 0.00 | 3.839 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 16:00:00 | 65 | 0.0 | 0.0 | 2322.0 | 2322.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 16:15:00 | 66 | 0.0 | 0.0 | 2203.5 | 2203.5 | 0.0 | 0.00 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rohatwadi 33kV | 09/01/2020 16:30:00 | 67 | 0.0 | 0.0 | 2044.5 | 2044.5 | 0.0 | 0.00 | -4.159 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 16:45:00 | 68 | 0.0 | 0.0 | 1803.0 | 1803.0 | 0.0 | 0.00 | 3.839 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 17:00:00 | 69 | 0.0 | 0.0 | 1825.5 | 1825.5 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 17:15:00 | 70 | 0.0 | 0.0 | 1717.5 | 1717.5 | 0.0 | 0.00 | 3.839 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 17:30:00 | 71 | 0.0 | 0.0 | 1599.0 | 1599.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 17:45:00 | 72 | 0.0 | 0.0 | 1470.0 | 1470.0 | 0.0 | 0.00 | -4.146 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 18:00:00 | 73 | 0.0 | 0.0 | 1282.5 | 1282.5 | 0.0 | 0.00 | -3.349 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 18:15:00 | 74 | 0.0 | 0.0 | 1150.5 | 1150.5 | 0.0 | 0.00 | -4.563 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 18:30:00 | 75 | 0.0 | 0.0 | 909.0 | 909.0 | 0.0 | 0.00 | -3.839 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 18:45:00 | 76 | 0.0 | 0.0 | 768.0 | 768.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 19:00:00 | 77 | 0.0 | 0.0 | 591.0 | 591.0 | 0.0 | 0.00 | -3.199 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 19:15:00 | 78 | 0.0 | 0.0 | 421.5 | 421.5 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 19:30:00 | 79 | 0.0 | 0.0 | 286.5 | 286.5 | 0.0 | 0.00 | -1.442 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 19:45:00 | 80 | 0.0 | 0.0 | 177.0 | 177.0 | 0.0 | 0.00 | -0.286 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 20:00:00 | 81 | 0.0 | 0.0 | 85.5 | 85.5 | 0.0 | 0.00 | -1.070 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 20:15:00 | 82 | 0.0 | 0.0 | 21.0 | 21.0 | 0.0 | 0.00 | -2.236 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 20:30:00 | 83 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.799 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 20:45:00 | 84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 21:00:00 | 85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 21:15:00 | 86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 21:30:00 | 87 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rohatwadi 33kV | 09/01/2020 21:45:00 | 88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.303 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 22:00:00 | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.795 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 22:15:00 | 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.674 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 22:30:00 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.303 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 22:45:00 | 92 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.152 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 23:00:00 | 93 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 23:15:00 | 94 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 23:30:00 | 95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Rohatwadi 33kV | 09/01/2020 23:45:00 | 96 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.987 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 00:00:00 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.680 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 00:15:00 | 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.326 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 00:30:00 | 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.992 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 00:45:00 | 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.532 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 01:00:00 | 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.713 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 01:15:00 | 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.548 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 01:30:00 | 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 01:45:00 | 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 02:00:00 | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.342 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 02:15:00 | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.595 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 02:30:00 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.326 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 02:45:00 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rohatwadi 33kV | 10/01/2020 03:00:00 | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.658 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 03:15:00 | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 03:30:00 | 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 03:45:00 | 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.063 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 04:00:00 | 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.595 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 04:15:00 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.326 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 04:30:00 | 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.326 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 04:45:00 | 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 05:00:00 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.992 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 05:15:00 | 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.063 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 05:30:00 | 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 05:45:00 | 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 06:00:00 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.127 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 06:15:00 | 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.658 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 06:30:00 | 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.992 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 06:45:00 | 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.077 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 07:00:00 | 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.687 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 07:15:00 | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 07:30:00 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.063 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 07:45:00 | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 08:00:00 | 33 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rohatwadi 33kV | 10/01/2020 08:15:00 | 34 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.661 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 08:30:00 | 35 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.663 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 08:45:00 | 36 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.328 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 09:00:00 | 37 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.995 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 09:15:00 | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.327 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 09:30:00 | 39 | 0.0 | 0.0 | 10.5 | 10.5 | 0.0 | 0.00 | -2.127 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 09:45:00 | 40 | 0.0 | 0.0 | 64.5 | 64.5 | 0.0 | 0.00 | -1.152 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 10:00:00 | 41 | 0.0 | 0.0 | 172.5 | 172.5 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 10:15:00 | 42 | 0.0 | 0.0 | 279.0 | 279.0 | 0.0 | 0.00 | -0.532 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 10:30:00 | 43 | 0.0 | 0.0 | 420.0 | 420.0 | 0.0 | 0.00 | -1.063 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 10:45:00 | 44 | 0.0 | 0.0 | 574.5 | 574.5 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 11:00:00 | 45 | 0.0 | 0.0 | 739.5 | 739.5 | 0.0 | 0.00 | 2.658 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 11:15:00 | 46 | 2500.0 | 2177.5 | 927.0 | -1250.5 | 50.02 | 938.25 | 0.000 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 11:30:00 | 47 | 2500.0 | 2170.0 | 1092.0 | -1078.0 | 43.12 | 679.50 | -1.595 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 11:45:00 | 48 | 2500.0 | 2165.0 | 1273.5 | -891.5 | 35.66 | 399.75 | 2.992 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 12:00:00 | 49 | 2500.0 | 2190.0 | 1297.5 | -892.5 | 35.7 | 401.25 | 0.000 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 12:15:00 | 50 | 2500.0 | 2090.0 | 1491.0 | -599.0 | 23.96 | 112.00 | 2.127 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 12:30:00 | 51 | 2500.0 | 2055.0 | 1231.5 | -823.5 | 32.94 | 323.50 | 1.595 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 12:45:00 | 52 | 2500.0 | 2050.0 | 1413.0 | -637.0 | 25.48 | 137.00 | -1.063 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 13:00:00 | 53 | 2500.0 | 2050.0 | 1908.0 | -142.0 | 5.68 | 0.00 | 2.658 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 13:15:00 | 54 | 2500.0 | 2087.5 | 1983.0 | -104.5 | 4.18 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rohatwadi 33kV | 10/01/2020 13:30:00 | 55 | 2500.0 | 2085.0 | 2244.0 | 159.0 | 6.36 | 0.00 | 2.127 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 13:45:00 | 56 | 2500.0 | 2120.0 | 1083.0 | -1037.0 | 41.48 | 618.00 | -3.326 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 14:00:00 | 57 | 2500.0 | 1972.5 | 933.0 | -1039.5 | 41.58 | 621.75 | -2.992 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 14:15:00 | 58 | 2500.0 | 1982.5 | 1101.0 | -881.5 | 35.26 | 384.75 | 3.660 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 14:30:00 | 59 | 2500.0 | 1717.5 | 1395.0 | -322.5 | 12.9 | 0.00 | -2.127 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 14:45:00 | 60 | 2500.0 | 1492.5 | 1764.0 | 271.5 | 10.86 | 0.00 | -2.127 | -6.311897 |
| Rohatwadi 33kV | 10/01/2020 15:00:00 | 61 | 2500.0 | 1375.0 | 1957.5 | 582.5 | 23.3 | 103.75 | 0.000 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 15:15:00 | 62 | 2500.0 | 1142.5 | 2107.5 | 965.0 | 38.6 | 510.00 | -2.992 | -117.042807 |
| Rohatwadi 33kV | 10/01/2020 15:30:00 | 63 | 2500.0 | 1092.5 | 1510.5 | 418.0 | 16.72 | 21.50 | -4.995 | -179.573777 |
| Rohatwadi 33kV | 10/01/2020 15:45:00 | 64 | 2500.0 | 872.5 | 2178.0 | 1305.5 | 52.22 | 1020.75 | -4.327 | -352.781988 |
| Rohatwadi 33kV | 10/01/2020 16:00:00 | 65 | 2500.0 | 860.0 | 2392.5 | 1532.5 | 61.3 | 1361.25 | -4.995 | -57.078763 |
| Rohatwadi 33kV | 10/01/2020 16:15:00 | 66 | 2500.0 | 680.0 | 1707.0 | 1027.0 | 41.08 | 603.00 | -8.000 | -575.483970 |
| Rohatwadi 33kV | 10/01/2020 16:30:00 | 67 | 2500.0 | 570.0 | 2317.5 | 1747.5 | 69.9 | 1683.75 | -8.000 | -1342.528020 |
| Rohatwadi 33kV | 10/01/2020 16:45:00 | 68 | 2500.0 | 337.5 | 1288.5 | 951.0 | 38.04 | 489.00 | 4.327 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 17:00:00 | 69 | 2500.0 | 217.5 | 1242.0 | 1024.5 | 40.98 | 599.25 | 0.532 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 17:15:00 | 70 | 2500.0 | 125.0 | 931.5 | 806.5 | 32.26 | 306.50 | -1.595 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 17:30:00 | 71 | 2500.0 | 65.0 | 634.5 | 569.5 | 22.78 | 97.25 | -2.658 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 17:45:00 | 72 | 2500.0 | 25.0 | 508.5 | 483.5 | 19.34 | 54.25 | -2.127 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 18:00:00 | 73 | 2500.0 | 0.0 | 490.5 | 490.5 | 19.62 | 57.75 | -1.461 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 18:15:00 | 74 | 2500.0 | 0.0 | 792.0 | 792.0 | 31.68 | 292.00 | 3.326 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 18:30:00 | 75 | 2500.0 | 0.0 | 1042.5 | 1042.5 | 41.7 | 626.25 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rohatwadi 33kV | 10/01/2020 18:45:00 | 76 | 2500.0 | 0.0 | 891.0 | 891.0 | 35.64 | 399.00 | 3.994 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 19:00:00 | 77 | 2500.0 | 0.0 | 705.0 | 705.0 | 28.2 | 205.00 | -2.127 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 19:15:00 | 78 | 2500.0 | 0.0 | 454.5 | 454.5 | 18.18 | 39.75 | -2.658 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 19:30:00 | 79 | 2500.0 | 0.0 | 258.0 | 258.0 | 10.32 | 0.00 | -3.660 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 19:45:00 | 80 | 2500.0 | 0.0 | 160.5 | 160.5 | 6.42 | 0.00 | -3.326 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 20:00:00 | 81 | 2500.0 | 0.0 | 76.5 | 76.5 | 3.06 | 0.00 | 3.660 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 20:15:00 | 82 | 2500.0 | 0.0 | 21.0 | 21.0 | 0.84 | 0.00 | 3.660 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 20:30:00 | 83 | 2500.0 | 0.0 | 1.5 | 1.5 | 0.06 | 0.00 | 4.995 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 20:45:00 | 84 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.992 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 21:00:00 | 85 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.660 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 21:15:00 | 86 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.595 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 21:30:00 | 87 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.063 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 21:45:00 | 88 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.532 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 22:00:00 | 89 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.595 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 22:15:00 | 90 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.127 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 22:30:00 | 91 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.063 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 22:45:00 | 92 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 23:00:00 | 93 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 23:15:00 | 94 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 23:30:00 | 95 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Rohatwadi 33kV | 10/01/2020 23:45:00 | 96 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rohatwadi 33kV | 11/01/2020 00:00:00 | 1 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 00:15:00 | 2 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.629 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 00:30:00 | 3 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.577 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 00:45:00 | 4 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.103 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 01:00:00 | 5 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 01:15:00 | 6 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.052 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 01:30:00 | 7 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.577 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 01:45:00 | 8 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.526 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 02:00:00 | 9 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.403 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 02:15:00 | 10 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.630 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 02:30:00 | 11 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.526 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 02:45:00 | 12 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.526 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 03:00:00 | 13 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.051 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 03:15:00 | 14 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 03:30:00 | 15 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 03:45:00 | 16 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 04:00:00 | 17 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 04:15:00 | 18 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.051 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 04:30:00 | 19 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.964 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 04:45:00 | 20 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.300 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 05:00:00 | 21 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rohatwadi 33kV | 11/01/2020 05:15:00 | 22 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.314 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 05:30:00 | 23 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 05:45:00 | 24 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.103 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 06:00:00 | 25 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.636 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 06:15:00 | 26 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 06:30:00 | 27 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.105 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 06:45:00 | 28 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.650 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 07:00:00 | 29 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.300 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 07:15:00 | 30 | 2500.0 | 25.0 | 0.0 | -25.0 | 1.0 | 0.00 | 5.314 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 07:30:00 | 31 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 07:45:00 | 32 | 2500.0 | 105.0 | 0.0 | -105.0 | 4.2 | 0.00 | 2.103 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 08:00:00 | 33 | 2500.0 | 165.0 | 0.0 | -165.0 | 6.6 | 0.00 | -1.577 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 08:15:00 | 34 | 2500.0 | 222.5 | 0.0 | -222.5 | 8.9 | 0.00 | 3.300 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 08:30:00 | 35 | 2500.0 | 285.0 | 0.0 | -285.0 | 11.4 | 0.00 | 2.116 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 08:45:00 | 36 | 2500.0 | 442.5 | 0.0 | -442.5 | 17.7 | 33.75 | 2.964 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 09:00:00 | 37 | 2500.0 | 577.5 | 0.0 | -577.5 | 23.1 | 101.25 | 6.681 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 09:15:00 | 38 | 2500.0 | 940.0 | 0.0 | -940.0 | 37.6 | 472.50 | 6.657 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 09:30:00 | 39 | 2500.0 | 1630.0 | 21.0 | -1609.0 | 64.36 | 1476.00 | -6.322 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 09:45:00 | 40 | 2500.0 | 1762.5 | 99.0 | -1663.5 | 66.54 | 1557.75 | -2.103 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 10:00:00 | 41 | 2500.0 | 1887.5 | 208.5 | -1679.0 | 67.16 | 1581.00 | 0.526 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 10:15:00 | 42 | 2500.0 | 1997.5 | 364.5 | -1633.0 | 65.32 | 1512.00 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rohatwadi 33kV | 11/01/2020 10:30:00 | 43 | 2500.0 | 2107.5 | 567.0 | -1540.5 | 61.62 | 1373.25 | 0.000 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 10:45:00 | 44 | 2500.0 | 2192.5 | 774.0 | -1418.5 | 56.74 | 1190.25 | 0.000 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 11:00:00 | 45 | 2500.0 | 2290.0 | 991.5 | -1298.5 | 51.94 | 1010.25 | 0.000 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 11:15:00 | 46 | 2500.0 | 2337.5 | 1192.5 | -1145.0 | 45.8 | 780.00 | -2.964 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 11:30:00 | 47 | 2500.0 | 2340.0 | 1402.5 | -937.5 | 37.5 | 468.75 | -4.307 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 11:45:00 | 48 | 2500.0 | 2367.5 | 1576.5 | -791.0 | 31.64 | 291.00 | -3.300 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 12:00:00 | 49 | 2500.0 | 2372.5 | 1740.0 | -632.5 | 25.3 | 132.50 | -0.526 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 12:15:00 | 50 | 2500.0 | 2360.0 | 1890.0 | -470.0 | 18.8 | 47.50 | -2.103 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 12:30:00 | 51 | 2500.0 | 2370.0 | 2004.0 | -366.0 | 14.64 | 0.00 | -2.629 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 12:45:00 | 52 | 2500.0 | 2307.5 | 2109.0 | -198.5 | 7.94 | 0.00 | -2.629 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 13:00:00 | 53 | 2500.0 | 2222.5 | 2194.5 | -28.0 | 1.12 | 0.00 | 0.000 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 13:15:00 | 54 | 2500.0 | 2310.0 | 2298.0 | -12.0 | 0.48 | 0.00 | -2.103 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 13:30:00 | 55 | 2500.0 | 2275.0 | 2308.5 | 33.5 | 1.34 | 0.00 | 2.629 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 13:45:00 | 56 | 2500.0 | 2157.5 | 2338.5 | 181.0 | 7.24 | 0.00 | 2.103 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 14:00:00 | 57 | 2500.0 | 1922.5 | 2337.0 | 414.5 | 16.58 | 19.75 | 1.051 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 14:15:00 | 58 | 2500.0 | 1840.0 | 2344.5 | 504.5 | 20.18 | 64.75 | 3.300 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 14:30:00 | 59 | 2500.0 | 1467.5 | 2362.5 | 895.0 | 35.8 | 405.00 | -3.636 | -78.534262 |
| Rohatwadi 33kV | 11/01/2020 14:45:00 | 60 | 2500.0 | 1430.0 | 2353.5 | 923.5 | 36.94 | 447.75 | 4.979 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 15:00:00 | 61 | 2500.0 | 1277.5 | 2349.0 | 1071.5 | 42.86 | 669.75 | -2.964 | -234.345722 |
| Rohatwadi 33kV | 11/01/2020 15:15:00 | 62 | 2500.0 | 1122.5 | 2365.5 | 1243.0 | 49.72 | 927.00 | -5.314 | -15.107154 |
| Rohatwadi 33kV | 11/01/2020 15:30:00 | 63 | 2500.0 | 1017.5 | 2371.5 | 1354.0 | 54.16 | 1093.50 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rohatwadi 33kV | 11/01/2020 15:45:00 | 64 | 2500.0 | 902.5 | 2355.0 | 1452.5 | 58.1 | 1241.25 | 4.643 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 16:00:00 | 65 | 2500.0 | 647.5 | 2395.5 | 1748.0 | 69.92 | 1684.50 | 2.103 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 16:15:00 | 66 | 2500.0 | 610.0 | 2364.0 | 1754.0 | 70.16 | 1693.50 | -2.964 | -186.324781 |
| Rohatwadi 33kV | 11/01/2020 16:30:00 | 67 | 2500.0 | 465.0 | 2332.5 | 1867.5 | 74.7 | 1863.75 | -2.103 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 16:45:00 | 68 | 2500.0 | 315.0 | 2220.0 | 1905.0 | 76.2 | 1920.00 | 3.972 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 17:00:00 | 69 | 2500.0 | 217.5 | 2107.5 | 1890.0 | 75.6 | 1897.50 | -1.577 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 17:15:00 | 70 | 2500.0 | 125.0 | 1962.0 | 1837.0 | 73.48 | 1818.00 | -1.577 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 17:30:00 | 71 | 2500.0 | 52.5 | 1837.5 | 1785.0 | 71.4 | 1740.00 | 1.051 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 17:45:00 | 72 | 2500.0 | 20.0 | 1726.5 | 1706.5 | 68.26 | 1622.25 | -2.103 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 18:00:00 | 73 | 2500.0 | 0.0 | 1614.0 | 1614.0 | 64.56 | 1483.50 | -2.964 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 18:15:00 | 74 | 2500.0 | 0.0 | 1413.0 | 1413.0 | 56.52 | 1182.00 | -2.629 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 18:30:00 | 75 | 2500.0 | 0.0 | 1227.0 | 1227.0 | 49.08 | 903.00 | 2.103 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 18:45:00 | 76 | 2500.0 | 0.0 | 996.0 | 996.0 | 39.84 | 556.50 | 0.526 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 19:00:00 | 77 | 2500.0 | 0.0 | 822.0 | 822.0 | 32.88 | 322.00 | 2.103 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 19:15:00 | 78 | 2500.0 | 0.0 | 573.0 | 573.0 | 22.92 | 99.00 | -1.052 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 19:30:00 | 79 | 2500.0 | 0.0 | 355.5 | 355.5 | 14.22 | 0.00 | 2.964 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 19:45:00 | 80 | 2500.0 | 0.0 | 190.5 | 190.5 | 7.62 | 0.00 | 2.629 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 20:00:00 | 81 | 2500.0 | 0.0 | 91.5 | 91.5 | 3.66 | 0.00 | 2.629 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 20:15:00 | 82 | 2500.0 | 0.0 | 30.0 | 30.0 | 1.2 | 0.00 | 4.307 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 20:30:00 | 83 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 20:45:00 | 84 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.629 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rohatwadi 33kV | 11/01/2020 21:00:00 | 85 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.636 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 21:15:00 | 86 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.577 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 21:30:00 | 87 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.577 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 21:45:00 | 88 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.052 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 22:00:00 | 89 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.650 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 22:15:00 | 90 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.650 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 22:30:00 | 91 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.979 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 22:45:00 | 92 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 23:00:00 | 93 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.577 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 23:15:00 | 94 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.074 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 23:30:00 | 95 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.113 | 0.000000 |
| Rohatwadi 33kV | 11/01/2020 23:45:00 | 96 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.162 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 00:00:00 | 1 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 00:15:00 | 2 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 00:30:00 | 3 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 00:45:00 | 4 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 01:00:00 | 5 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.629 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 01:15:00 | 6 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.317 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 01:30:00 | 7 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.354 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 01:45:00 | 8 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 02:00:00 | 9 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rohatwadi 33kV | 12/01/2020 02:15:00 | 10 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 02:30:00 | 11 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.690 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 02:45:00 | 12 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 03:00:00 | 13 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.354 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 03:15:00 | 14 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 03:30:00 | 15 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.354 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 03:45:00 | 16 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 04:00:00 | 17 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 04:15:00 | 18 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 04:30:00 | 19 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.076 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 04:45:00 | 20 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 05:00:00 | 21 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.686 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 05:15:00 | 22 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.686 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 05:30:00 | 23 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.614 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 05:45:00 | 24 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.496 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 06:00:00 | 25 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 06:15:00 | 26 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.430 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 06:30:00 | 27 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 06:45:00 | 28 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.681 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 07:00:00 | 29 | 2500.0 | 12.5 | 0.0 | -12.5 | 0.5 | 0.00 | 1.614 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 07:15:00 | 30 | 2500.0 | 30.0 | 0.0 | -30.0 | 1.2 | 0.00 | 3.838 | 24.829734 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rohatwadi 33kV | 12/01/2020 07:30:00 | 31 | 2500.0 | 160.0 | 0.0 | -160.0 | 6.4 | 0.00 | 3.022 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 07:45:00 | 32 | 2500.0 | 270.0 | 0.0 | -270.0 | 10.8 | 0.00 | 2.690 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 08:00:00 | 33 | 2500.0 | 417.5 | 0.0 | -417.5 | 16.7 | 21.25 | -2.690 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 08:15:00 | 34 | 2500.0 | 567.5 | 0.0 | -567.5 | 22.7 | 96.25 | -4.018 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 08:30:00 | 35 | 2500.0 | 745.0 | 0.0 | -745.0 | 29.8 | 245.00 | -2.690 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 08:45:00 | 36 | 2500.0 | 902.5 | 0.0 | -902.5 | 36.1 | 416.25 | 3.022 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 09:00:00 | 37 | 2500.0 | 1145.0 | 0.0 | -1145.0 | 45.8 | 780.00 | -3.354 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 09:15:00 | 38 | 2500.0 | 1327.5 | 0.0 | -1327.5 | 53.1 | 1053.75 | -4.350 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 09:30:00 | 39 | 2500.0 | 1572.5 | 19.5 | -1553.0 | 62.12 | 1392.00 | 2.152 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 09:45:00 | 40 | 2500.0 | 1632.5 | 91.5 | -1541.0 | 61.64 | 1374.00 | -2.690 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 10:00:00 | 41 | 2500.0 | 1670.0 | 190.5 | -1479.5 | 59.18 | 1281.75 | -3.354 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 10:15:00 | 42 | 2500.0 | 1890.0 | 337.5 | -1552.5 | 62.1 | 1391.25 | -3.686 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 10:30:00 | 43 | 2500.0 | 2175.0 | 541.5 | -1633.5 | 65.34 | 1512.75 | -1.614 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 10:45:00 | 44 | 2500.0 | 2175.0 | 756.0 | -1419.0 | 56.76 | 1191.00 | 3.686 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 11:00:00 | 45 | 2500.0 | 2262.5 | 976.5 | -1286.0 | 51.44 | 991.50 | -3.354 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 11:15:00 | 46 | 2500.0 | 2322.5 | 1171.5 | -1151.0 | 46.04 | 789.00 | -5.450 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 11:30:00 | 47 | 2500.0 | 2355.0 | 1347.0 | -1008.0 | 40.32 | 574.50 | -6.009 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 11:45:00 | 48 | 2500.0 | 2362.5 | 1540.5 | -822.0 | 32.88 | 322.00 | 2.690 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 12:00:00 | 49 | 2500.0 | 2365.0 | 1707.0 | -658.0 | 26.32 | 158.00 | 3.686 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 12:15:00 | 50 | 2500.0 | 2367.5 | 1882.5 | -485.0 | 19.4 | 55.00 | -5.345 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 12:30:00 | 51 | 2500.0 | 2370.0 | 2004.0 | -366.0 | 14.64 | 0.00 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rohatwadi 33kV | 12/01/2020 12:45:00 | 52 | 2500.0 | 2372.5 | 2097.0 | -275.5 | 11.02 | 0.00 | -5.345 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 13:00:00 | 53 | 2500.0 | 2370.0 | 2218.5 | -151.5 | 6.06 | 0.00 | -3.999 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 13:15:00 | 54 | 2500.0 | 2367.5 | 2275.5 | -92.0 | 3.68 | 0.00 | -4.350 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 13:30:00 | 55 | 2500.0 | 2315.0 | 2317.5 | 2.5 | 0.1 | 0.00 | -1.076 | -0.081093 |
| Rohatwadi 33kV | 12/01/2020 13:45:00 | 56 | 2500.0 | 2235.0 | 2325.0 | 90.0 | 3.6 | 0.00 | -2.690 | -5.442398 |
| Rohatwadi 33kV | 12/01/2020 14:00:00 | 57 | 2500.0 | 2155.0 | 2319.0 | 164.0 | 6.56 | 0.00 | -0.538 | -4.484198 |
| Rohatwadi 33kV | 12/01/2020 14:15:00 | 58 | 2500.0 | 2050.0 | 2334.0 | 284.0 | 11.36 | 0.00 | -2.152 | -43.391594 |
| Rohatwadi 33kV | 12/01/2020 14:30:00 | 59 | 2500.0 | 1945.0 | 2352.0 | 407.0 | 16.28 | 16.00 | -2.690 | -22.064760 |
| Rohatwadi 33kV | 12/01/2020 14:45:00 | 60 | 2500.0 | 1817.5 | 2320.5 | 503.0 | 20.12 | 64.00 | -1.076 | -9.860650 |
| Rohatwadi 33kV | 12/01/2020 15:00:00 | 61 | 2500.0 | 1690.0 | 2317.5 | 627.5 | 25.1 | 127.50 | 0.000 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 15:15:00 | 62 | 2500.0 | 1540.0 | 2322.0 | 782.0 | 31.28 | 282.00 | -2.690 | -108.125621 |
| Rohatwadi 33kV | 12/01/2020 15:30:00 | 63 | 2500.0 | 1392.5 | 2340.0 | 947.5 | 37.9 | 483.75 | -3.022 | -94.432980 |
| Rohatwadi 33kV | 12/01/2020 15:45:00 | 64 | 2500.0 | 1230.0 | 2353.5 | 1123.5 | 44.94 | 747.75 | -3.686 | -190.961540 |
| Rohatwadi 33kV | 12/01/2020 16:00:00 | 65 | 2500.0 | 1067.5 | 2359.5 | 1292.0 | 51.68 | 1000.50 | -3.737 | -1100.297393 |
| Rohatwadi 33kV | 12/01/2020 16:15:00 | 66 | 2500.0 | 895.0 | 2362.5 | 1467.5 | 58.7 | 1263.75 | -5.786 | -1936.949132 |
| Rohatwadi 33kV | 12/01/2020 16:30:00 | 67 | 2500.0 | 725.0 | 2344.5 | 1619.5 | 64.78 | 1491.75 | -4.350 | -920.685596 |
| Rohatwadi 33kV | 12/01/2020 16:45:00 | 68 | 2500.0 | 557.5 | 2275.5 | 1718.0 | 68.72 | 1639.50 | -1.614 | -220.737660 |
| Rohatwadi 33kV | 12/01/2020 17:00:00 | 69 | 2500.0 | 390.0 | 2164.5 | 1774.5 | 70.98 | 1724.25 | 0.000 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 17:15:00 | 70 | 2500.0 | 247.5 | 2043.0 | 1795.5 | 71.82 | 1755.75 | 2.690 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 17:30:00 | 71 | 2500.0 | 105.0 | 1944.0 | 1839.0 | 73.56 | 1821.00 | -3.022 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 17:45:00 | 72 | 2500.0 | 52.5 | 1764.0 | 1711.5 | 68.46 | 1629.75 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rohatwadi 33kV | 12/01/2020 18:00:00 | 73 | 2500.0 | 0.0 | 1617.0 | 1617.0 | 64.68 | 1488.00 | -0.538 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 18:15:00 | 74 | 2500.0 | 0.0 | 1423.5 | 1423.5 | 56.94 | 1197.75 | -4.350 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 18:30:00 | 75 | 2500.0 | 0.0 | 1222.5 | 1222.5 | 48.9 | 896.25 | 2.690 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 18:45:00 | 76 | 2500.0 | 0.0 | 1003.5 | 1003.5 | 40.14 | 567.75 | 3.022 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 19:00:00 | 77 | 2500.0 | 0.0 | 778.5 | 778.5 | 31.14 | 278.50 | 3.686 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 19:15:00 | 78 | 2500.0 | 0.0 | 525.0 | 525.0 | 21.0 | 75.00 | 2.690 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 19:30:00 | 79 | 2500.0 | 0.0 | 318.0 | 318.0 | 12.72 | 0.00 | -3.022 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 19:45:00 | 80 | 2500.0 | 0.0 | 178.5 | 178.5 | 7.14 | 0.00 | -1.781 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 20:00:00 | 81 | 2500.0 | 0.0 | 90.0 | 90.0 | 3.6 | 0.00 | -3.021 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 20:15:00 | 82 | 2500.0 | 0.0 | 30.0 | 30.0 | 1.2 | 0.00 | -4.018 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 20:30:00 | 83 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.354 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 20:45:00 | 84 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.614 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 21:00:00 | 85 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.350 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 21:15:00 | 86 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.686 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 21:30:00 | 87 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.614 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 21:45:00 | 88 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 22:00:00 | 89 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.354 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 22:15:00 | 90 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.350 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 22:30:00 | 91 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.215 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 22:45:00 | 92 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 23:00:00 | 93 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Rohatwadi 33kV | 12/01/2020 23:15:00 | 94 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 23:30:00 | 95 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Rohatwadi 33kV | 12/01/2020 23:45:00 | 96 | 2500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 00:00:00 | 1 | 29475.0 | 6510.0 | 8331.25 | 1821.25 | 6.18 | 0.00 | 2.903 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 00:15:00 | 2 | 29475.0 | 6437.5 | 8821.88 | 2384.38 | 8.09 | 0.00 | 0.000 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 00:30:00 | 3 | 29475.0 | 6520.0 | 9065.62 | 2545.62 | 8.64 | 0.00 | 0.000 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 00:45:00 | 4 | 29475.0 | 6437.5 | 8709.38 | 2271.88 | 7.71 | 0.00 | -0.984 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 01:00:00 | 5 | 29475.0 | 6437.5 | 8390.62 | 1953.12 | 6.63 | 0.00 | -3.541 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 01:15:00 | 6 | 29475.0 | 6487.5 | 7756.25 | 1268.75 | 4.3 | 0.00 | 3.222 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 01:30:00 | 7 | 29475.0 | 7010.0 | 6906.25 | -103.75 | 0.35 | 0.00 | 3.541 | 28.000290 |
| Sadawaghapur 220kV | 06/01/2020 01:45:00 | 8 | 29475.0 | 6937.5 | 6993.75 | 56.25 | 0.19 | 0.00 | 2.352 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 02:00:00 | 9 | 29475.0 | 7020.0 | 7415.62 | 395.62 | 1.34 | 0.00 | 1.747 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 02:15:00 | 10 | 29475.0 | 6937.5 | 8396.88 | 1459.38 | 4.95 | 0.00 | 0.581 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 02:30:00 | 11 | 29475.0 | 6937.5 | 8925.0 | 1987.5 | 6.74 | 0.00 | -2.323 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 02:45:00 | 12 | 29475.0 | 6987.5 | 9756.25 | 2768.75 | 9.39 | 0.00 | 2.323 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 03:00:00 | 13 | 29475.0 | 6487.5 | 10134.38 | 3646.88 | 12.37 | 0.00 | 2.323 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 03:15:00 | 14 | 29475.0 | 6592.5 | 10506.25 | 3913.75 | 13.28 | 0.00 | -1.742 | -117.863923 |
| Sadawaghapur 220kV | 06/01/2020 03:30:00 | 15 | 29475.0 | 6437.5 | 10234.38 | 3796.88 | 12.88 | 0.00 | 3.222 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 03:45:00 | 16 | 29475.0 | 6357.5 | 8584.38 | 2226.88 | 7.56 | 0.00 | 3.541 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 04:00:00 | 17 | 29475.0 | 6312.5 | 7846.88 | 1534.38 | 5.21 | 0.00 | 4.496 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 04:15:00 | 18 | 29475.0 | 6337.5 | 9262.5 | 2925.0 | 9.92 | 0.00 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sadawaghapur 220kV | 06/01/2020 04:30:00 | 19 | 29475.0 | 7562.5 | 10190.62 | 2628.12 | 8.92 | 0.00 | 3.859 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 04:45:00 | 20 | 29475.0 | 7595.0 | 10484.38 | 2889.38 | 9.8 | 0.00 | 4.815 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 05:00:00 | 21 | 29475.0 | 7712.5 | 9987.5 | 2275.0 | 7.72 | 0.00 | 3.859 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 05:15:00 | 22 | 29475.0 | 7760.0 | 8678.12 | 918.12 | 3.11 | 0.00 | 6.407 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 05:30:00 | 23 | 29475.0 | 7687.5 | 8015.62 | 328.12 | 1.11 | 0.00 | 6.496 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 05:45:00 | 24 | 29475.0 | 8520.0 | 7621.88 | -898.12 | 3.05 | 0.00 | 7.492 | 568.915023 |
| Sadawaghapur 220kV | 06/01/2020 06:00:00 | 25 | 29475.0 | 8437.5 | 7621.88 | -815.62 | 2.77 | 0.00 | -5.452 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 06:15:00 | 26 | 29475.0 | 8437.5 | 8109.38 | -328.12 | 1.11 | 0.00 | -6.089 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 06:30:00 | 27 | 29475.0 | 8487.5 | 6987.5 | -1500.0 | 5.09 | 0.00 | -7.044 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 06:45:00 | 28 | 29475.0 | 8592.5 | 6709.38 | -1883.12 | 6.39 | 0.00 | 7.682 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 07:00:00 | 29 | 29475.0 | 8437.5 | 6971.88 | -1465.62 | 4.97 | 0.00 | -3.859 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 07:15:00 | 30 | 29475.0 | 8592.5 | 6031.25 | -2561.25 | 8.69 | 0.00 | 4.815 | 1271.706975 |
| Sadawaghapur 220kV | 06/01/2020 07:30:00 | 31 | 29475.0 | 6937.5 | 5096.88 | -1840.62 | 6.24 | 0.00 | 4.178 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 07:45:00 | 32 | 29475.0 | 6937.5 | 4768.75 | -2168.75 | 7.36 | 0.00 | -3.540 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 08:00:00 | 33 | 29475.0 | 6937.5 | 4653.12 | -2284.38 | 7.75 | 0.00 | -3.859 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 08:15:00 | 34 | 29475.0 | 6987.5 | 4243.75 | -2743.75 | 9.31 | 0.00 | -5.452 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 08:30:00 | 35 | 29475.0 | 7092.5 | 3550.0 | -3542.5 | 12.02 | 0.00 | 4.178 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 08:45:00 | 36 | 29475.0 | 6937.5 | 4006.25 | -2931.25 | 9.94 | 0.00 | -3.859 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 09:00:00 | 37 | 29475.0 | 6857.5 | 4200.0 | -2657.5 | 9.02 | 0.00 | -6.407 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 09:15:00 | 38 | 29475.0 | 6812.5 | 4881.25 | -1931.25 | 6.55 | 0.00 | -8.000 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 09:30:00 | 39 | 29475.0 | 6837.5 | 4225.0 | -2612.5 | 8.86 | 0.00 | -5.770 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sadawaghapur 220kV | 06/01/2020 09:45:00 | 40 | 29475.0 | 4037.5 | 3365.62 | -671.88 | 2.28 | 0.00 | 3.222 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 10:00:00 | 41 | 29475.0 | 3705.0 | 3881.25 | 176.25 | 0.6 | 0.00 | -2.903 | -24.048836 |
| Sadawaghapur 220kV | 06/01/2020 10:15:00 | 42 | 29475.0 | 3960.0 | 3809.38 | -150.62 | 0.51 | 0.00 | -3.222 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 10:30:00 | 43 | 29475.0 | 4010.0 | 3821.88 | -188.12 | 0.64 | 0.00 | 4.815 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 10:45:00 | 44 | 29475.0 | 3937.5 | 2865.62 | -1071.88 | 3.64 | 0.00 | 4.496 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 11:00:00 | 45 | 29475.0 | 4020.0 | 2365.62 | -1654.38 | 5.61 | 0.00 | 16.000 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 11:15:00 | 46 | 29475.0 | 3937.5 | 2093.75 | -1843.75 | 6.26 | 0.00 | 5.133 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 11:30:00 | 47 | 29475.0 | 3937.5 | 1275.0 | -2662.5 | 9.03 | 0.00 | 1.182 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 11:45:00 | 48 | 29475.0 | 3987.5 | 984.38 | -3003.12 | 10.19 | 0.00 | 6.308 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 12:00:00 | 49 | 29475.0 | 3982.5 | 1093.75 | -2888.75 | 9.8 | 0.00 | 6.598 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 12:15:00 | 50 | 29475.0 | 3960.0 | 1040.62 | -2919.38 | 9.9 | 0.00 | 5.431 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 12:30:00 | 51 | 29475.0 | 4010.0 | 890.62 | -3119.38 | 10.58 | 0.00 | 3.540 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 12:45:00 | 52 | 29475.0 | 3937.5 | 1184.38 | -2753.12 | 9.34 | 0.00 | -2.903 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 13:00:00 | 53 | 29475.0 | 4020.0 | 1262.5 | -2757.5 | 9.36 | 0.00 | -1.161 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 13:15:00 | 54 | 29475.0 | 3937.5 | 1346.88 | -2590.62 | 8.79 | 0.00 | 3.859 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 13:30:00 | 55 | 29475.0 | 3937.5 | 1568.75 | -2368.75 | 8.04 | 0.00 | -6.407 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 13:45:00 | 56 | 29475.0 | 3987.5 | 1625.0 | -2362.5 | 8.02 | 0.00 | 5.452 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 14:00:00 | 57 | 29475.0 | 4092.5 | 1500.0 | -2592.5 | 8.8 | 0.00 | 5.452 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 14:15:00 | 58 | 29475.0 | 3937.5 | 1515.62 | -2421.88 | 8.22 | 0.00 | 16.000 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 14:30:00 | 59 | 29475.0 | 4092.5 | 2128.12 | -1964.38 | 6.66 | 0.00 | 6.035 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 14:45:00 | 60 | 29475.0 | 3937.5 | 2462.5 | -1475.0 | 5.0 | 0.00 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sadawaghapur 220kV | 06/01/2020 15:00:00 | 61 | 29475.0 | 3937.5 | 2121.88 | -1815.62 | 6.16 | 0.00 | 3.367 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 15:15:00 | 62 | 29475.0 | 3937.5 | 1784.38 | -2153.12 | 7.3 | 0.00 | 3.904 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 15:30:00 | 63 | 29475.0 | 3987.5 | 1068.75 | -2918.75 | 9.9 | 0.00 | 4.482 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 15:45:00 | 64 | 29475.0 | 4092.5 | 493.75 | -3598.75 | 12.21 | 0.00 | 4.225 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 16:00:00 | 65 | 29475.0 | 3937.5 | 278.12 | -3659.38 | 12.42 | 0.00 | 2.895 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 16:15:00 | 66 | 29475.0 | 3857.5 | 528.12 | -3329.38 | 11.3 | 0.00 | 6.089 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 16:30:00 | 67 | 29475.0 | 3812.5 | 546.88 | -3265.62 | 11.08 | 0.00 | -8.000 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 16:45:00 | 68 | 29475.0 | 3837.5 | 440.62 | -3396.88 | 11.52 | 0.00 | -4.178 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 17:00:00 | 69 | 29475.0 | 3812.5 | 356.25 | -3456.25 | 11.73 | 0.00 | 1.742 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 17:15:00 | 70 | 29475.0 | 3845.0 | 215.62 | -3629.38 | 12.31 | 0.00 | 2.903 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 17:30:00 | 71 | 29475.0 | 3962.5 | 34.38 | -3928.12 | 13.33 | 0.00 | -4.178 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 17:45:00 | 72 | 29475.0 | 3187.5 | 28.12 | -3159.38 | 10.72 | 0.00 | -2.323 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 18:00:00 | 73 | 29475.0 | 3237.5 | 84.38 | -3153.12 | 10.7 | 0.00 | -2.903 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 18:15:00 | 74 | 29475.0 | 3342.5 | 96.88 | -3245.62 | 11.01 | 0.00 | 1.161 | 844.054284 |
| Sadawaghapur 220kV | 06/01/2020 18:30:00 | 75 | 29475.0 | 3187.5 | 78.12 | -3109.38 | 10.55 | 0.00 | 2.903 | 2648.363487 |
| Sadawaghapur 220kV | 06/01/2020 18:45:00 | 76 | 29475.0 | 3342.5 | 134.38 | -3208.12 | 10.88 | 0.00 | 2.903 | 64.686031 |
| Sadawaghapur 220kV | 06/01/2020 19:00:00 | 77 | 29475.0 | 3187.5 | 93.75 | -3093.75 | 10.5 | 0.00 | -1.161 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 19:15:00 | 78 | 29475.0 | 4092.5 | 75.0 | -4017.5 | 13.63 | 0.00 | -4.178 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 19:30:00 | 79 | 29475.0 | 3937.5 | 93.75 | -3843.75 | 13.04 | 0.00 | -2.323 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 19:45:00 | 80 | 29475.0 | 3937.5 | 137.5 | -3800.0 | 12.89 | 0.00 | -4.178 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 20:00:00 | 81 | 29475.0 | 3937.5 | 165.62 | -3771.88 | 12.8 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sadawaghapur 220kV | 06/01/2020 20:15:00 | 82 | 29475.0 | 3987.5 | 206.25 | -3781.25 | 12.83 | 0.00 | -5.770 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 20:30:00 | 83 | 29475.0 | 4092.5 | 143.75 | -3948.75 | 13.4 | 0.00 | 5.770 | 538.029733 |
| Sadawaghapur 220kV | 06/01/2020 20:45:00 | 84 | 29475.0 | 3937.5 | 103.12 | -3834.38 | 13.01 | 0.00 | 4.178 | 1585.720705 |
| Sadawaghapur 220kV | 06/01/2020 21:00:00 | 85 | 29475.0 | 3937.5 | 143.75 | -3793.75 | 12.87 | 0.00 | 3.222 | 829.986934 |
| Sadawaghapur 220kV | 06/01/2020 21:15:00 | 86 | 29475.0 | 4092.5 | 168.75 | -3923.75 | 13.31 | 0.00 | -1.742 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 21:30:00 | 87 | 29475.0 | 3937.5 | 168.75 | -3768.75 | 12.79 | 0.00 | 0.000 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 21:45:00 | 88 | 29475.0 | 3937.5 | 215.62 | -3721.88 | 12.63 | 0.00 | 1.161 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 22:00:00 | 89 | 29475.0 | 3937.5 | 193.75 | -3743.75 | 12.7 | 0.00 | 4.815 | 2192.067015 |
| Sadawaghapur 220kV | 06/01/2020 22:15:00 | 90 | 29475.0 | 3987.5 | 168.75 | -3818.75 | 12.96 | 0.00 | 3.859 | 2306.910882 |
| Sadawaghapur 220kV | 06/01/2020 22:30:00 | 91 | 29475.0 | 4092.5 | 84.38 | -4008.12 | 13.6 | 0.00 | 1.742 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 22:45:00 | 92 | 29475.0 | 3937.5 | 103.12 | -3834.38 | 13.01 | 0.00 | -2.323 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 23:00:00 | 93 | 29475.0 | 3857.5 | 184.38 | -3673.12 | 12.46 | 0.00 | -2.903 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 23:15:00 | 94 | 29475.0 | 3812.5 | 334.38 | -3478.12 | 11.8 | 0.00 | 2.323 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 23:30:00 | 95 | 29475.0 | 3837.5 | 490.62 | -3346.88 | 11.35 | 0.00 | -3.222 | 0.000000 |
| Sadawaghapur 220kV | 06/01/2020 23:45:00 | 96 | 29475.0 | 3812.5 | 462.5 | -3350.0 | 11.37 | 0.00 | 2.323 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 00:00:00 | 1 | 29475.0 | 3812.5 | 275.0 | -3537.5 | 12.0 | 0.00 | -0.549 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 00:15:00 | 2 | 29475.0 | 3912.5 | 328.12 | -3584.38 | 12.16 | 0.00 | -1.647 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 00:30:00 | 3 | 29475.0 | 3812.5 | 437.5 | -3375.0 | 11.45 | 0.00 | -3.073 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 00:45:00 | 4 | 29475.0 | 3887.5 | 603.12 | -3284.38 | 11.14 | 0.00 | -2.744 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 01:00:00 | 5 | 29475.0 | 3837.5 | 887.5 | -2950.0 | 10.01 | 0.00 | -4.058 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 01:15:00 | 6 | 29475.0 | 3857.5 | 1109.38 | -2748.12 | 9.32 | 0.00 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sadawaghapur 220kV | 07/01/2020 01:30:00 | 7 | 29475.0 | 3912.5 | 1371.88 | -2540.62 | 8.62 | 0.00 | -3.401 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 01:45:00 | 8 | 29475.0 | 3962.5 | 1571.88 | -2390.62 | 8.11 | 0.00 | 3.730 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 02:00:00 | 9 | 29475.0 | 3842.5 | 1668.75 | -2173.75 | 7.37 | 0.00 | 3.073 | 473.241587 |
| Sadawaghapur 220kV | 07/01/2020 02:15:00 | 10 | 29475.0 | 3812.5 | 2075.0 | -1737.5 | 5.89 | 0.00 | 3.073 | 169.145063 |
| Sadawaghapur 220kV | 07/01/2020 02:30:00 | 11 | 29475.0 | 3912.5 | 2725.0 | -1187.5 | 4.03 | 0.00 | 3.401 | 161.692446 |
| Sadawaghapur 220kV | 07/01/2020 02:45:00 | 12 | 29475.0 | 3812.5 | 2525.0 | -1287.5 | 4.37 | 0.00 | 2.745 | 174.850657 |
| Sadawaghapur 220kV | 07/01/2020 03:00:00 | 13 | 29475.0 | 3887.5 | 1865.62 | -2021.88 | 6.86 | 0.00 | 1.647 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 03:15:00 | 14 | 29475.0 | 3837.5 | 1568.75 | -2268.75 | 7.7 | 0.00 | 2.196 | 145.546399 |
| Sadawaghapur 220kV | 07/01/2020 03:30:00 | 15 | 29475.0 | 3857.5 | 1284.38 | -2573.12 | 8.73 | 0.00 | 1.647 | 219.617523 |
| Sadawaghapur 220kV | 07/01/2020 03:45:00 | 16 | 29475.0 | 3912.5 | 1187.5 | -2725.0 | 9.25 | 0.00 | 1.098 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 04:00:00 | 17 | 29475.0 | 3962.5 | 1440.62 | -2521.88 | 8.56 | 0.00 | 1.647 | 923.512255 |
| Sadawaghapur 220kV | 07/01/2020 04:15:00 | 18 | 29475.0 | 3842.5 | 1631.25 | -2211.25 | 7.5 | 0.00 | 2.210 | 1583.162400 |
| Sadawaghapur 220kV | 07/01/2020 04:30:00 | 19 | 29475.0 | 3812.5 | 1790.62 | -2021.88 | 6.86 | 0.00 | 3.730 | 2044.104055 |
| Sadawaghapur 220kV | 07/01/2020 04:45:00 | 20 | 29475.0 | 3912.5 | 1637.5 | -2275.0 | 7.72 | 0.00 | -1.098 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 05:00:00 | 21 | 29475.0 | 3812.5 | 1621.88 | -2190.62 | 7.43 | 0.00 | -2.744 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 05:15:00 | 22 | 29475.0 | 3887.5 | 1765.62 | -2121.88 | 7.2 | 0.00 | 3.730 | 1090.048934 |
| Sadawaghapur 220kV | 07/01/2020 05:30:00 | 23 | 29475.0 | 3837.5 | 1637.5 | -2200.0 | 7.46 | 0.00 | 3.073 | 2539.020546 |
| Sadawaghapur 220kV | 07/01/2020 05:45:00 | 24 | 29475.0 | 3857.5 | 1218.75 | -2638.75 | 8.95 | 0.00 | 3.730 | 2365.797802 |
| Sadawaghapur 220kV | 07/01/2020 06:00:00 | 25 | 29475.0 | 3912.5 | 1506.25 | -2406.25 | 8.16 | 0.00 | -5.372 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 06:15:00 | 26 | 29475.0 | 3962.5 | 1625.0 | -2337.5 | 7.93 | 0.00 | 4.556 | 7788.778706 |
| Sadawaghapur 220kV | 07/01/2020 06:30:00 | 27 | 29475.0 | 3842.5 | 1584.38 | -2258.12 | 7.66 | 0.00 | 7.148 | 13027.521400 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sadawaghapur 220kV | 07/01/2020 06:45:00 | 28 | 29475.0 | 3812.5 | 1968.75 | -1843.75 | 6.26 | 0.00 | 7.821 | 9753.831295 |
| Sadawaghapur 220kV | 07/01/2020 07:00:00 | 29 | 29475.0 | 3912.5 | 2656.25 | -1256.25 | 4.26 | 0.00 | 5.372 | 3338.418618 |
| Sadawaghapur 220kV | 07/01/2020 07:15:00 | 30 | 29475.0 | 3812.5 | 2896.88 | -915.62 | 3.11 | 0.00 | 16.000 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 07:30:00 | 31 | 29475.0 | 3887.5 | 3000.0 | -887.5 | 3.01 | 0.00 | 9.296 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 07:45:00 | 32 | 29475.0 | 3837.5 | 2412.5 | -1425.0 | 4.83 | 0.00 | 9.794 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 08:00:00 | 33 | 29475.0 | 3857.5 | 2284.38 | -1573.12 | 5.34 | 0.00 | 3.593 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 08:15:00 | 34 | 29475.0 | 3912.5 | 2259.38 | -1653.12 | 5.61 | 0.00 | 3.401 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 08:30:00 | 35 | 29475.0 | 3962.5 | 2090.62 | -1871.88 | 6.35 | 0.00 | 3.245 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 08:45:00 | 36 | 29475.0 | 3842.5 | 1968.75 | -1873.75 | 6.36 | 0.00 | 0.000 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 09:00:00 | 37 | 29475.0 | 3812.5 | 1515.62 | -2296.88 | 7.79 | 0.00 | 2.745 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 09:15:00 | 38 | 29475.0 | 3912.5 | 1356.25 | -2556.25 | 8.67 | 0.00 | 4.715 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 09:30:00 | 39 | 29475.0 | 3812.5 | 1031.25 | -2781.25 | 9.44 | 0.00 | 3.981 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 09:45:00 | 40 | 29475.0 | 3887.5 | 553.12 | -3334.38 | 11.31 | 0.00 | 3.730 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 10:00:00 | 41 | 29475.0 | 3837.5 | 375.0 | -3462.5 | 11.75 | 0.00 | 1.780 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 10:15:00 | 42 | 29475.0 | 3857.5 | 446.88 | -3410.62 | 11.57 | 0.00 | 5.643 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 10:30:00 | 43 | 29475.0 | 3912.5 | 612.5 | -3300.0 | 11.2 | 0.00 | 4.976 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 10:45:00 | 44 | 29475.0 | 3962.5 | 540.62 | -3421.88 | 11.61 | 0.00 | 4.415 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 11:00:00 | 45 | 29475.0 | 3842.5 | 303.12 | -3539.38 | 12.01 | 0.00 | 4.476 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 11:15:00 | 46 | 29475.0 | 3812.5 | 75.0 | -3737.5 | 12.68 | 0.00 | 4.826 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 11:30:00 | 47 | 29475.0 | 3912.5 | 84.38 | -3828.12 | 12.99 | 0.00 | 2.289 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 11:45:00 | 48 | 29475.0 | 3812.5 | 21.88 | -3790.62 | 12.86 | 0.00 | -0.549 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sadawaghapur 220kV | 07/01/2020 12:00:00 | 49 | 29475.0 | 3887.5 | 9.38 | -3878.12 | 13.16 | 0.00 | 4.727 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 12:15:00 | 50 | 29475.0 | 3837.5 | 3.12 | -3834.38 | 13.01 | 0.00 | 4.777 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 12:30:00 | 51 | 29475.0 | 3857.5 | 0.0 | -3857.5 | 13.09 | 0.00 | 4.798 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 12:45:00 | 52 | 29475.0 | 3912.5 | 12.5 | -3900.0 | 13.23 | 0.00 | -3.401 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 13:00:00 | 53 | 29475.0 | 3962.5 | 9.38 | -3953.12 | 13.41 | 0.00 | -2.431 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 13:15:00 | 54 | 29475.0 | 3842.5 | 84.38 | -3758.12 | 12.75 | 0.00 | -4.387 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 13:30:00 | 55 | 29475.0 | 3937.5 | 40.62 | -3896.88 | 13.22 | 0.00 | -3.401 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 13:45:00 | 56 | 29475.0 | 3987.5 | 115.62 | -3871.88 | 13.14 | 0.00 | -5.044 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 14:00:00 | 57 | 29475.0 | 4092.5 | 143.75 | -3948.75 | 13.4 | 0.00 | 4.215 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 14:15:00 | 58 | 29475.0 | 3937.5 | 100.0 | -3837.5 | 13.02 | 0.00 | 9.552 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 14:30:00 | 59 | 29475.0 | 4092.5 | 90.62 | -4001.88 | 13.58 | 0.00 | 6.358 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 14:45:00 | 60 | 29475.0 | 3937.5 | 246.88 | -3690.62 | 12.52 | 0.00 | 2.744 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 15:00:00 | 61 | 29475.0 | 3937.5 | 178.12 | -3759.38 | 12.75 | 0.00 | -3.073 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 15:15:00 | 62 | 29475.0 | 3937.5 | 228.12 | -3709.38 | 12.58 | 0.00 | -4.058 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 15:30:00 | 63 | 29475.0 | 3987.5 | 93.75 | -3893.75 | 13.21 | 0.00 | -4.831 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 15:45:00 | 64 | 29475.0 | 4092.5 | 96.88 | -3995.62 | 13.56 | 0.00 | -5.372 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 16:00:00 | 65 | 29475.0 | 3937.5 | 81.25 | -3856.25 | 13.08 | 0.00 | 2.196 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 16:15:00 | 66 | 29475.0 | 3857.5 | 156.25 | -3701.25 | 12.56 | 0.00 | -3.401 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 16:30:00 | 67 | 29475.0 | 3812.5 | 131.25 | -3681.25 | 12.49 | 0.00 | 4.738 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 16:45:00 | 68 | 29475.0 | 3837.5 | 506.25 | -3331.25 | 11.3 | 0.00 | 7.343 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 17:00:00 | 69 | 29475.0 | 3812.5 | 762.5 | -3050.0 | 10.35 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sadawaghapur 220kV | 07/01/2020 17:15:00 | 70 | 29475.0 | 3845.0 | 828.12 | -3016.88 | 10.24 | 0.00 | 2.744 | 501.846305 |
| Sadawaghapur 220kV | 07/01/2020 17:30:00 | 71 | 29475.0 | 3962.5 | 1065.62 | -2896.88 | 9.83 | 0.00 | 3.401 | 191.279351 |
| Sadawaghapur 220kV | 07/01/2020 17:45:00 | 72 | 29475.0 | 3187.5 | 1300.0 | -1887.5 | 6.4 | 0.00 | -2.745 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 18:00:00 | 73 | 29475.0 | 3237.5 | 1396.88 | -1840.62 | 6.24 | 0.00 | -3.073 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 18:15:00 | 74 | 29475.0 | 3342.5 | 1934.38 | -1408.12 | 4.78 | 0.00 | -5.372 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 18:30:00 | 75 | 29475.0 | 3187.5 | 2112.5 | -1075.0 | 3.65 | 0.00 | 3.401 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 18:45:00 | 76 | 29475.0 | 3342.5 | 2606.25 | -736.25 | 2.5 | 0.00 | -3.401 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 19:00:00 | 77 | 29475.0 | 3187.5 | 3003.12 | -184.38 | 0.63 | 0.00 | -3.730 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 19:15:00 | 78 | 29475.0 | 4092.5 | 3012.5 | -1080.0 | 3.66 | 0.00 | -4.715 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 19:30:00 | 79 | 29475.0 | 3937.5 | 2746.88 | -1190.62 | 4.04 | 0.00 | -4.058 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 19:45:00 | 80 | 29475.0 | 3937.5 | 2381.25 | -1556.25 | 5.28 | 0.00 | -2.210 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 20:00:00 | 81 | 29475.0 | 3937.5 | 1721.88 | -2215.62 | 7.52 | 0.00 | -2.348 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 20:15:00 | 82 | 29475.0 | 3987.5 | 1071.88 | -2915.62 | 9.89 | 0.00 | 4.387 | 4550.268226 |
| Sadawaghapur 220kV | 07/01/2020 20:30:00 | 83 | 29475.0 | 4092.5 | 853.12 | -3239.38 | 10.99 | 0.00 | 3.816 | 6610.567365 |
| Sadawaghapur 220kV | 07/01/2020 20:45:00 | 84 | 29475.0 | 3937.5 | 903.12 | -3034.38 | 10.29 | 0.00 | 3.401 | 1490.900239 |
| Sadawaghapur 220kV | 07/01/2020 21:00:00 | 85 | 29475.0 | 3937.5 | 1143.75 | -2793.75 | 9.48 | 0.00 | -4.058 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 21:15:00 | 86 | 29475.0 | 4092.5 | 1131.25 | -2961.25 | 10.05 | 0.00 | 1.647 | 1569.566458 |
| Sadawaghapur 220kV | 07/01/2020 21:30:00 | 87 | 29475.0 | 3937.5 | 978.12 | -2959.38 | 10.04 | 0.00 | 2.196 | 943.698982 |
| Sadawaghapur 220kV | 07/01/2020 21:45:00 | 88 | 29475.0 | 3937.5 | 921.88 | -3015.62 | 10.23 | 0.00 | -2.196 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 22:00:00 | 89 | 29475.0 | 3937.5 | 987.5 | -2950.0 | 10.01 | 0.00 | -3.257 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 22:15:00 | 90 | 29475.0 | 3987.5 | 809.38 | -3178.12 | 10.78 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sadawaghapur 220kV | 07/01/2020 22:30:00 | 91 | 29475.0 | 4092.5 | 634.38 | -3458.12 | 11.73 | 0.00 | -1.098 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 22:45:00 | 92 | 29475.0 | 3937.5 | 518.75 | -3418.75 | 11.6 | 0.00 | -1.647 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 23:00:00 | 93 | 29475.0 | 3857.5 | 646.88 | -3210.62 | 10.89 | 0.00 | -3.401 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 23:15:00 | 94 | 29475.0 | 3812.5 | 878.12 | -2934.38 | 9.96 | 0.00 | 1.647 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 23:30:00 | 95 | 29475.0 | 3837.5 | 971.88 | -2865.62 | 9.72 | 0.00 | -2.196 | 0.000000 |
| Sadawaghapur 220kV | 07/01/2020 23:45:00 | 96 | 29475.0 | 3812.5 | 693.75 | -3118.75 | 10.58 | 0.00 | -0.549 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 00:00:00 | 1 | 29475.0 | 3812.5 | 765.62 | -3046.88 | 10.34 | 0.00 | -2.220 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 00:15:00 | 2 | 29475.0 | 3912.5 | 1118.75 | -2793.75 | 9.48 | 0.00 | -3.101 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 00:30:00 | 3 | 29475.0 | 3812.5 | 1615.62 | -2196.88 | 7.45 | 0.00 | -3.101 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 00:45:00 | 4 | 29475.0 | 3887.5 | 1859.38 | -2028.12 | 6.88 | 0.00 | -2.424 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 01:00:00 | 5 | 29475.0 | 3837.5 | 1668.75 | -2168.75 | 7.36 | 0.00 | -2.170 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 01:15:00 | 6 | 29475.0 | 3857.5 | 1350.0 | -2507.5 | 8.51 | 0.00 | -1.761 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 01:30:00 | 7 | 29475.0 | 3912.5 | 1056.25 | -2856.25 | 9.69 | 0.00 | -1.665 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 01:45:00 | 8 | 29475.0 | 3962.5 | 796.88 | -3165.62 | 10.74 | 0.00 | -1.665 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 02:00:00 | 9 | 29475.0 | 3842.5 | 625.0 | -3217.5 | 10.92 | 0.00 | -1.110 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 02:15:00 | 10 | 29475.0 | 3812.5 | 731.25 | -3081.25 | 10.45 | 0.00 | -1.347 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 02:30:00 | 11 | 29475.0 | 3912.5 | 981.25 | -2931.25 | 9.94 | 0.00 | -3.101 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 02:45:00 | 12 | 29475.0 | 3812.5 | 1012.5 | -2800.0 | 9.5 | 0.00 | -2.220 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 03:00:00 | 13 | 29475.0 | 3887.5 | 981.25 | -2906.25 | 9.86 | 0.00 | -3.428 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 03:15:00 | 14 | 29475.0 | 3837.5 | 793.75 | -3043.75 | 10.33 | 0.00 | -2.220 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 03:30:00 | 15 | 29475.0 | 3857.5 | 678.12 | -3179.38 | 10.79 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sadawaghapur 220kV | 08/01/2020 03:45:00 | 16 | 29475.0 | 3912.5 | 700.0 | -3212.5 | 10.9 | 0.00 | -2.775 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 04:00:00 | 17 | 29475.0 | 3962.5 | 981.25 | -2981.25 | 10.11 | 0.00 | -3.101 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 04:15:00 | 18 | 29475.0 | 3842.5 | 1165.62 | -2676.88 | 9.08 | 0.00 | -1.665 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 04:30:00 | 19 | 29475.0 | 3812.5 | 1218.75 | -2593.75 | 8.8 | 0.00 | -2.220 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 04:45:00 | 20 | 29475.0 | 3912.5 | 1106.25 | -2806.25 | 9.52 | 0.00 | -2.775 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 05:00:00 | 21 | 29475.0 | 3812.5 | 793.75 | -3018.75 | 10.24 | 0.00 | -1.110 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 05:15:00 | 22 | 29475.0 | 3887.5 | 521.88 | -3365.62 | 11.42 | 0.00 | 2.775 | 162.182686 |
| Sadawaghapur 220kV | 08/01/2020 05:30:00 | 23 | 29475.0 | 3837.5 | 596.88 | -3240.62 | 10.99 | 0.00 | -3.428 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 05:45:00 | 24 | 29475.0 | 3857.5 | 690.62 | -3166.88 | 10.74 | 0.00 | -2.775 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 06:00:00 | 25 | 29475.0 | 3912.5 | 584.38 | -3328.12 | 11.29 | 0.00 | -2.220 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 06:15:00 | 26 | 29475.0 | 3962.5 | 740.62 | -3221.88 | 10.93 | 0.00 | 2.220 | 659.663580 |
| Sadawaghapur 220kV | 08/01/2020 06:30:00 | 27 | 29475.0 | 3842.5 | 1096.88 | -2745.62 | 9.32 | 0.00 | 5.387 | 4942.012641 |
| Sadawaghapur 220kV | 08/01/2020 06:45:00 | 28 | 29475.0 | 3812.5 | 1318.75 | -2493.75 | 8.46 | 0.00 | -4.734 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 07:00:00 | 29 | 29475.0 | 3912.5 | 1509.38 | -2403.12 | 8.15 | 0.00 | -4.407 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 07:15:00 | 30 | 29475.0 | 3812.5 | 1659.38 | -2153.12 | 7.3 | 0.00 | 5.061 | 3795.054013 |
| Sadawaghapur 220kV | 08/01/2020 07:30:00 | 31 | 29475.0 | 3887.5 | 2090.62 | -1796.88 | 6.1 | 0.00 | 5.714 | 3030.438411 |
| Sadawaghapur 220kV | 08/01/2020 07:45:00 | 32 | 29475.0 | 3837.5 | 2084.38 | -1753.12 | 5.95 | 0.00 | 5.061 | 1162.378888 |
| Sadawaghapur 220kV | 08/01/2020 08:00:00 | 33 | 29475.0 | 3857.5 | 1978.12 | -1879.38 | 6.38 | 0.00 | 2.775 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 08:15:00 | 34 | 29475.0 | 3912.5 | 1671.88 | -2240.62 | 7.6 | 0.00 | 2.775 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 08:30:00 | 35 | 29475.0 | 3962.5 | 1643.75 | -2318.75 | 7.87 | 0.00 | 5.387 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 08:45:00 | 36 | 29475.0 | 3842.5 | 1440.62 | -2401.88 | 8.15 | 0.00 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sadawaghapur 220kV | 08/01/2020 09:00:00 | 37 | 29475.0 | 3812.5 | 1175.0 | -2637.5 | 8.95 | 0.00 | 7.673 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 09:15:00 | 38 | 29475.0 | 3912.5 | 1143.75 | -2768.75 | 9.39 | 0.00 | 7.673 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 09:30:00 | 39 | 29475.0 | 3812.5 | 934.38 | -2878.12 | 9.76 | 0.00 | 3.101 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 09:45:00 | 40 | 29475.0 | 3887.5 | 759.38 | -3128.12 | 10.61 | 0.00 | -3.101 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 10:00:00 | 41 | 29475.0 | 3837.5 | 634.38 | -3203.12 | 10.87 | 0.00 | -3.101 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 10:15:00 | 42 | 29475.0 | 3857.5 | 309.38 | -3548.12 | 12.04 | 0.00 | -3.101 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 10:30:00 | 43 | 29475.0 | 3912.5 | 390.62 | -3521.88 | 11.95 | 0.00 | -1.665 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 10:45:00 | 44 | 29475.0 | 3962.5 | 706.25 | -3256.25 | 11.05 | 0.00 | 0.000 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 11:00:00 | 45 | 29475.0 | 3842.5 | 818.75 | -3023.75 | 10.26 | 0.00 | -1.486 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 11:15:00 | 46 | 29475.0 | 3812.5 | 809.38 | -3003.12 | 10.19 | 0.00 | -1.305 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 11:30:00 | 47 | 29475.0 | 3912.5 | 659.38 | -3253.12 | 11.04 | 0.00 | -2.425 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 11:45:00 | 48 | 29475.0 | 3812.5 | 537.5 | -3275.0 | 11.11 | 0.00 | -2.775 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 12:00:00 | 49 | 29475.0 | 3887.5 | 706.25 | -3181.25 | 10.79 | 0.00 | -2.083 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 12:15:00 | 50 | 29475.0 | 3837.5 | 878.12 | -2959.38 | 10.04 | 0.00 | -3.242 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 12:30:00 | 51 | 29475.0 | 3857.5 | 1559.38 | -2298.12 | 7.8 | 0.00 | -1.330 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 12:45:00 | 52 | 29475.0 | 3912.5 | 2971.88 | -940.62 | 3.19 | 0.00 | -0.830 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 13:00:00 | 53 | 29475.0 | 3962.5 | 3437.5 | -525.0 | 1.78 | 0.00 | 2.775 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 13:15:00 | 54 | 29475.0 | 3842.5 | 3362.5 | -480.0 | 1.63 | 0.00 | 0.000 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 13:30:00 | 55 | 29475.0 | 3937.5 | 2990.62 | -946.88 | 3.21 | 0.00 | -1.012 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 13:45:00 | 56 | 29475.0 | 3987.5 | 3496.88 | -490.62 | 1.66 | 0.00 | -1.087 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 14:00:00 | 57 | 29475.0 | 4092.5 | 3328.12 | -764.38 | 2.59 | 0.00 | -3.101 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sadawaghapur 220kV | 08/01/2020 14:15:00 | 58 | 29475.0 | 3937.5 | 3887.5 | -50.0 | 0.17 | 0.00 | -4.081 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 14:30:00 | 59 | 29475.0 | 4092.5 | 4200.0 | 107.5 | 0.36 | 0.00 | -2.996 | -43.491229 |
| Sadawaghapur 220kV | 08/01/2020 14:45:00 | 60 | 29475.0 | 3937.5 | 4490.62 | 553.12 | 1.88 | 0.00 | -3.101 | -83.931929 |
| Sadawaghapur 220kV | 08/01/2020 15:00:00 | 61 | 29475.0 | 3937.5 | 5056.25 | 1118.75 | 3.8 | 0.00 | -1.879 | -281.048980 |
| Sadawaghapur 220kV | 08/01/2020 15:15:00 | 62 | 29475.0 | 3937.5 | 4484.38 | 546.88 | 1.86 | 0.00 | -4.081 | -19.237310 |
| Sadawaghapur 220kV | 08/01/2020 15:30:00 | 63 | 29475.0 | 3987.5 | 3215.62 | -771.88 | 2.62 | 0.00 | 4.938 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 15:45:00 | 64 | 29475.0 | 4092.5 | 3371.88 | -720.62 | 2.44 | 0.00 | 4.719 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 16:00:00 | 65 | 29475.0 | 3937.5 | 3078.12 | -859.38 | 2.92 | 0.00 | 0.555 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 16:15:00 | 66 | 29475.0 | 3857.5 | 3100.0 | -757.5 | 2.57 | 0.00 | -4.081 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 16:30:00 | 67 | 29475.0 | 3812.5 | 2215.62 | -1596.88 | 5.42 | 0.00 | -3.754 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 16:45:00 | 68 | 29475.0 | 3837.5 | 1734.38 | -2103.12 | 7.14 | 0.00 | -8.000 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 17:00:00 | 69 | 29475.0 | 3812.5 | 2371.88 | -1440.62 | 4.89 | 0.00 | 0.000 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 17:15:00 | 70 | 29475.0 | 3845.0 | 2465.62 | -1379.38 | 4.68 | 0.00 | 4.081 | 264.600106 |
| Sadawaghapur 220kV | 08/01/2020 17:30:00 | 71 | 29475.0 | 3842.5 | 2334.38 | -1508.12 | 5.12 | 0.00 | -5.387 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 17:45:00 | 72 | 29475.0 | 3812.5 | 1903.12 | -1909.38 | 6.48 | 0.00 | -3.101 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 18:00:00 | 73 | 29475.0 | 3912.5 | 1371.88 | -2540.62 | 8.62 | 0.00 | -2.775 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 18:15:00 | 74 | 29475.0 | 3812.5 | 987.5 | -2825.0 | 9.58 | 0.00 | -3.101 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 18:30:00 | 75 | 29475.0 | 3887.5 | 1021.88 | -2865.62 | 9.72 | 0.00 | -2.220 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 18:45:00 | 76 | 29475.0 | 3837.5 | 1050.0 | -2787.5 | 9.46 | 0.00 | 2.220 | 2197.315301 |
| Sadawaghapur 220kV | 08/01/2020 19:00:00 | 77 | 29475.0 | 3857.5 | 1559.38 | -2298.12 | 7.8 | 0.00 | 1.110 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 19:15:00 | 78 | 29475.0 | 3912.5 | 2215.62 | -1696.88 | 5.76 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sadawaghapur 220kV | 08/01/2020 19:30:00 | 79 | 29475.0 | 3962.5 | 2965.62 | -996.88 | 3.38 | 0.00 | -2.220 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 19:45:00 | 80 | 29475.0 | 3842.5 | 2812.5 | -1030.0 | 3.49 | 0.00 | -0.555 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 20:00:00 | 81 | 29475.0 | 3812.5 | 2121.88 | -1690.62 | 5.74 | 0.00 | 2.775 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 20:15:00 | 82 | 29475.0 | 3912.5 | 1834.38 | -2078.12 | 7.05 | 0.00 | 3.101 | 3474.785918 |
| Sadawaghapur 220kV | 08/01/2020 20:30:00 | 83 | 29475.0 | 3812.5 | 1915.62 | -1896.88 | 6.44 | 0.00 | 4.408 | 4296.829267 |
| Sadawaghapur 220kV | 08/01/2020 20:45:00 | 84 | 29475.0 | 3887.5 | 2053.12 | -1834.38 | 6.22 | 0.00 | 3.101 | 1200.418173 |
| Sadawaghapur 220kV | 08/01/2020 21:00:00 | 85 | 29475.0 | 3837.5 | 2128.12 | -1709.38 | 5.8 | 0.00 | 3.101 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 21:15:00 | 86 | 29475.0 | 3857.5 | 2034.38 | -1823.12 | 6.19 | 0.00 | -0.555 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 21:30:00 | 87 | 29475.0 | 3912.5 | 1362.5 | -2550.0 | 8.65 | 0.00 | -1.110 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 21:45:00 | 88 | 29475.0 | 3962.5 | 915.62 | -3046.88 | 10.34 | 0.00 | -1.110 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 22:00:00 | 89 | 29475.0 | 3842.5 | 825.0 | -3017.5 | 10.24 | 0.00 | -2.489 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 22:15:00 | 90 | 29475.0 | 3812.5 | 793.75 | -3018.75 | 10.24 | 0.00 | -2.775 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 22:30:00 | 91 | 29475.0 | 3912.5 | 634.38 | -3278.12 | 11.12 | 0.00 | -2.223 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 22:45:00 | 92 | 29475.0 | 3812.5 | 412.5 | -3400.0 | 11.54 | 0.00 | 1.110 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 23:00:00 | 93 | 29475.0 | 3887.5 | 303.12 | -3584.38 | 12.16 | 0.00 | 1.110 | 382.672008 |
| Sadawaghapur 220kV | 08/01/2020 23:15:00 | 94 | 29475.0 | 3837.5 | 375.0 | -3462.5 | 11.75 | 0.00 | 1.110 | 0.000000 |
| Sadawaghapur 220kV | 08/01/2020 23:30:00 | 95 | 29475.0 | 3857.5 | 368.75 | -3488.75 | 11.84 | 0.00 | 2.775 | 31.714550 |
| Sadawaghapur 220kV | 08/01/2020 23:45:00 | 96 | 29475.0 | 3912.5 | 403.12 | -3509.38 | 11.91 | 0.00 | 0.000 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 00:00:00 | 1 | 29475.0 | 3812.5 | 500.0 | -3312.5 | 11.24 | 0.00 | -0.576 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 00:15:00 | 2 | 29475.0 | 3912.5 | 565.62 | -3346.88 | 11.35 | 0.00 | -1.727 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 00:30:00 | 3 | 29475.0 | 3812.5 | 878.12 | -2934.38 | 9.96 | 0.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sadawaghapur 220kV | 09/01/2020 00:45:00 | 4 | 29475.0 | 3887.5 | 1146.88 | -2740.62 | 9.3 | 0.00 | -2.879 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 01:00:00 | 5 | 29475.0 | 3837.5 | 1740.62 | -2096.88 | 7.11 | 0.00 | -3.519 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 01:15:00 | 6 | 29475.0 | 3857.5 | 2615.62 | -1241.88 | 4.21 | 0.00 | -3.519 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 01:30:00 | 7 | 29475.0 | 3912.5 | 3484.38 | -428.12 | 1.45 | 0.00 | -3.199 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 01:45:00 | 8 | 29475.0 | 3962.5 | 3525.0 | -437.5 | 1.48 | 0.00 | 3.519 | 106.307031 |
| Sadawaghapur 220kV | 09/01/2020 02:00:00 | 9 | 29475.0 | 3842.5 | 2859.38 | -983.12 | 3.34 | 0.00 | 3.519 | 1082.324537 |
| Sadawaghapur 220kV | 09/01/2020 02:15:00 | 10 | 29475.0 | 3812.5 | 2209.38 | -1603.12 | 5.44 | 0.00 | 2.879 | 774.046145 |
| Sadawaghapur 220kV | 09/01/2020 02:30:00 | 11 | 29475.0 | 3912.5 | 2496.88 | -1415.62 | 4.8 | 0.00 | 3.199 | 983.413087 |
| Sadawaghapur 220kV | 09/01/2020 02:45:00 | 12 | 29475.0 | 3812.5 | 2309.38 | -1503.12 | 5.1 | 0.00 | 1.152 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 03:00:00 | 13 | 29475.0 | 3887.5 | 1934.38 | -1953.12 | 6.63 | 0.00 | -2.879 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 03:15:00 | 14 | 29475.0 | 3837.5 | 1493.75 | -2343.75 | 7.95 | 0.00 | -3.839 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 03:30:00 | 15 | 29475.0 | 3857.5 | 934.38 | -2923.12 | 9.92 | 0.00 | 3.199 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 03:45:00 | 16 | 29475.0 | 3912.5 | 643.75 | -3268.75 | 11.09 | 0.00 | 0.000 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 04:00:00 | 17 | 29475.0 | 3962.5 | 471.88 | -3490.62 | 11.84 | 0.00 | 1.727 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 04:15:00 | 18 | 29475.0 | 3842.5 | 431.25 | -3411.25 | 11.57 | 0.00 | 1.727 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 04:30:00 | 19 | 29475.0 | 3812.5 | 465.62 | -3346.88 | 11.35 | 0.00 | 1.727 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 04:45:00 | 20 | 29475.0 | 3912.5 | 603.12 | -3309.38 | 11.23 | 0.00 | 2.879 | 2852.056906 |
| Sadawaghapur 220kV | 09/01/2020 05:00:00 | 21 | 29475.0 | 3812.5 | 815.62 | -2996.88 | 10.17 | 0.00 | 3.839 | 1495.978738 |
| Sadawaghapur 220kV | 09/01/2020 05:15:00 | 22 | 29475.0 | 3887.5 | 865.62 | -3021.88 | 10.25 | 0.00 | 5.119 | 4265.392012 |
| Sadawaghapur 220kV | 09/01/2020 05:30:00 | 23 | 29475.0 | 3837.5 | 984.38 | -2853.12 | 9.68 | 0.00 | 4.064 | 7339.376880 |
| Sadawaghapur 220kV | 09/01/2020 05:45:00 | 24 | 29475.0 | 3857.5 | 1112.5 | -2745.0 | 9.31 | 0.00 | 1.152 | 19.365541 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sadawaghapur 220kV | 09/01/2020 06:00:00 | 25 | 29475.0 | 3912.5 | 993.75 | -2918.75 | 9.9 | 0.00 | -2.303 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 06:15:00 | 26 | 29475.0 | 3962.5 | 753.12 | -3209.38 | 10.89 | 0.00 | 2.303 | 2134.716136 |
| Sadawaghapur 220kV | 09/01/2020 06:30:00 | 27 | 29475.0 | 3842.5 | 1009.38 | -2833.12 | 9.61 | 0.00 | -3.839 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 06:45:00 | 28 | 29475.0 | 3812.5 | 1321.88 | -2490.62 | 8.45 | 0.00 | -2.879 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 07:00:00 | 29 | 29475.0 | 3912.5 | 775.0 | -3137.5 | 10.64 | 0.00 | -2.879 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 07:15:00 | 30 | 29475.0 | 3812.5 | 318.75 | -3493.75 | 11.85 | 0.00 | 6.400 | 1738.164182 |
| Sadawaghapur 220kV | 09/01/2020 07:30:00 | 31 | 29475.0 | 3887.5 | 25.0 | -3862.5 | 13.1 | 0.00 | 1.172 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 07:45:00 | 32 | 29475.0 | 3837.5 | 0.0 | -3837.5 | 13.02 | 0.00 | 0.576 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 08:00:00 | 33 | 29475.0 | 3857.5 | 0.0 | -3857.5 | 13.09 | 0.00 | -0.576 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 08:15:00 | 34 | 29475.0 | 3912.5 | 0.0 | -3912.5 | 13.27 | 0.00 | -1.152 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 08:30:00 | 35 | 29475.0 | 3962.5 | 0.0 | -3962.5 | 13.44 | 0.00 | 0.576 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 08:45:00 | 36 | 29475.0 | 3842.5 | 0.0 | -3842.5 | 13.04 | 0.00 | 0.000 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 09:00:00 | 37 | 29475.0 | 3812.5 | 0.0 | -3812.5 | 12.93 | 0.00 | 1.152 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 09:15:00 | 38 | 29475.0 | 3912.5 | 0.0 | -3912.5 | 13.27 | 0.00 | 1.727 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 09:30:00 | 39 | 29475.0 | 3812.5 | 0.0 | -3812.5 | 12.93 | 0.00 | -3.839 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 09:45:00 | 40 | 29475.0 | 3887.5 | 0.0 | -3887.5 | 13.19 | 0.00 | -1.152 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 10:00:00 | 41 | 29475.0 | 3837.5 | 0.0 | -3837.5 | 13.02 | 0.00 | 0.000 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 10:15:00 | 42 | 29475.0 | 3857.5 | 0.0 | -3857.5 | 13.09 | 0.00 | 1.727 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 10:30:00 | 43 | 29475.0 | 3912.5 | 0.0 | -3912.5 | 13.27 | 0.00 | 2.303 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 10:45:00 | 44 | 29475.0 | 3962.5 | 0.0 | -3962.5 | 13.44 | 0.00 | -1.144 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 11:00:00 | 45 | 29475.0 | 3842.5 | 0.0 | -3842.5 | 13.04 | 0.00 | -4.479 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sadawaghapur 220kV | 09/01/2020 11:15:00 | 46 | 29475.0 | 3812.5 | 0.0 | -3812.5 | 12.93 | 0.00 | -3.519 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 11:30:00 | 47 | 29475.0 | 3912.5 | 0.0 | -3912.5 | 13.27 | 0.00 | -2.303 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 11:45:00 | 48 | 29475.0 | 3812.5 | 0.0 | -3812.5 | 12.93 | 0.00 | -0.576 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 12:00:00 | 49 | 29475.0 | 3887.5 | 0.0 | -3887.5 | 13.19 | 0.00 | 0.000 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 12:15:00 | 50 | 29475.0 | 3837.5 | 0.0 | -3837.5 | 13.02 | 0.00 | 3.839 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 12:30:00 | 51 | 29475.0 | 3857.5 | 0.0 | -3857.5 | 13.09 | 0.00 | 3.199 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 12:45:00 | 52 | 29475.0 | 3912.5 | 0.0 | -3912.5 | 13.27 | 0.00 | 3.199 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 13:00:00 | 53 | 29475.0 | 3962.5 | 6.25 | -3956.25 | 13.42 | 0.00 | -1.152 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 13:15:00 | 54 | 29475.0 | 3842.5 | 0.0 | -3842.5 | 13.04 | 0.00 | -1.152 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 13:30:00 | 55 | 29475.0 | 3937.5 | 3.12 | -3934.38 | 13.35 | 0.00 | 1.727 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 13:45:00 | 56 | 29475.0 | 3987.5 | 9.38 | -3978.12 | 13.5 | 0.00 | 3.199 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 14:00:00 | 57 | 29475.0 | 4092.5 | 31.25 | -4061.25 | 13.78 | 0.00 | 4.345 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 14:15:00 | 58 | 29475.0 | 3937.5 | 87.5 | -3850.0 | 13.06 | 0.00 | 3.941 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 14:30:00 | 59 | 29475.0 | 4092.5 | 71.88 | -4020.62 | 13.64 | 0.00 | 1.152 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 14:45:00 | 60 | 29475.0 | 3937.5 | 78.12 | -3859.38 | 13.09 | 0.00 | -0.576 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 15:00:00 | 61 | 29475.0 | 3937.5 | 190.62 | -3746.88 | 12.71 | 0.00 | -1.006 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 15:15:00 | 62 | 29475.0 | 3937.5 | 121.88 | -3815.62 | 12.95 | 0.00 | 3.199 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 15:30:00 | 63 | 29475.0 | 3987.5 | 337.5 | -3650.0 | 12.38 | 0.00 | 2.879 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 15:45:00 | 64 | 29475.0 | 4092.5 | 778.12 | -3314.38 | 11.24 | 0.00 | 3.839 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 16:00:00 | 65 | 29475.0 | 3937.5 | 1231.25 | -2706.25 | 9.18 | 0.00 | 1.727 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 16:15:00 | 66 | 29475.0 | 3857.5 | 1237.5 | -2620.0 | 8.89 | 0.00 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sadawaghapur 220kV | 09/01/2020 16:30:00 | 67 | 29475.0 | 3812.5 | 990.62 | -2821.88 | 9.57 | 0.00 | -4.159 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 16:45:00 | 68 | 29475.0 | 3837.5 | 1359.38 | -2478.12 | 8.41 | 0.00 | 3.839 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 17:00:00 | 69 | 29475.0 | 3812.5 | 1387.5 | -2425.0 | 8.23 | 0.00 | 1.727 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 17:15:00 | 70 | 29475.0 | 3845.0 | 971.88 | -2873.12 | 9.75 | 0.00 | 3.839 | 987.536648 |
| Sadawaghapur 220kV | 09/01/2020 17:30:00 | 71 | 29475.0 | 3962.5 | 675.0 | -3287.5 | 11.15 | 0.00 | -2.879 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 17:45:00 | 72 | 29475.0 | 3812.5 | 328.12 | -3484.38 | 11.82 | 0.00 | -4.146 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 18:00:00 | 73 | 29475.0 | 3887.5 | 350.0 | -3537.5 | 12.0 | 0.00 | -3.349 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 18:15:00 | 74 | 29475.0 | 3837.5 | 465.62 | -3371.88 | 11.44 | 0.00 | -4.563 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 18:30:00 | 75 | 29475.0 | 3857.5 | 734.38 | -3123.12 | 10.6 | 0.00 | -3.839 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 18:45:00 | 76 | 29475.0 | 3912.5 | 950.0 | -2962.5 | 10.05 | 0.00 | -2.879 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 19:00:00 | 77 | 29475.0 | 3962.5 | 628.12 | -3334.38 | 11.31 | 0.00 | -3.199 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 19:15:00 | 78 | 29475.0 | 3842.5 | 359.38 | -3483.12 | 11.82 | 0.00 | -1.727 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 19:30:00 | 79 | 29475.0 | 3812.5 | 131.25 | -3681.25 | 12.49 | 0.00 | -1.442 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 19:45:00 | 80 | 29475.0 | 3912.5 | 25.0 | -3887.5 | 13.19 | 0.00 | -0.286 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 20:00:00 | 81 | 29475.0 | 3812.5 | 0.0 | -3812.5 | 12.93 | 0.00 | -1.070 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 20:15:00 | 82 | 29475.0 | 3887.5 | 0.0 | -3887.5 | 13.19 | 0.00 | -2.236 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 20:30:00 | 83 | 29475.0 | 3837.5 | 0.0 | -3837.5 | 13.02 | 0.00 | -4.799 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 20:45:00 | 84 | 29475.0 | 3857.5 | 0.0 | -3857.5 | 13.09 | 0.00 | -1.727 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 21:00:00 | 85 | 29475.0 | 3912.5 | 0.0 | -3912.5 | 13.27 | 0.00 | -1.727 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 21:15:00 | 86 | 29475.0 | 3962.5 | 0.0 | -3962.5 | 13.44 | 0.00 | 1.152 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 21:30:00 | 87 | 29475.0 | 3842.5 | 0.0 | -3842.5 | 13.04 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sadawaghapur 220kV | 09/01/2020 21:45:00 | 88 | 29475.0 | 3937.5 | 31.25 | -3906.25 | 13.25 | 0.00 | -2.303 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 22:00:00 | 89 | 29475.0 | 3937.5 | 150.0 | -3787.5 | 12.85 | 0.00 | -2.795 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 22:15:00 | 90 | 29475.0 | 3987.5 | 468.75 | -3518.75 | 11.94 | 0.00 | -3.674 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 22:30:00 | 91 | 29475.0 | 4092.5 | 537.5 | -3555.0 | 12.06 | 0.00 | -2.303 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 22:45:00 | 92 | 29475.0 | 3937.5 | 621.88 | -3315.62 | 11.25 | 0.00 | -1.152 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 23:00:00 | 93 | 29475.0 | 3857.5 | 687.5 | -3170.0 | 10.75 | 0.00 | 0.000 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 23:15:00 | 94 | 29475.0 | 3812.5 | 928.12 | -2884.38 | 9.79 | 0.00 | -0.576 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 23:30:00 | 95 | 29475.0 | 3837.5 | 1284.38 | -2553.12 | 8.66 | 0.00 | -0.576 | 0.000000 |
| Sadawaghapur 220kV | 09/01/2020 23:45:00 | 96 | 29475.0 | 3812.5 | 1406.25 | -2406.25 | 8.16 | 0.00 | -0.987 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 00:00:00 | 1 | 29475.0 | 3812.5 | 1400.0 | -2412.5 | 8.18 | 0.00 | -0.680 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 00:15:00 | 2 | 29475.0 | 3912.5 | 1587.5 | -2325.0 | 7.89 | 0.00 | -3.326 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 00:30:00 | 3 | 29475.0 | 3812.5 | 1640.62 | -2171.88 | 7.37 | 0.00 | -2.992 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 00:45:00 | 4 | 29475.0 | 3887.5 | 1643.75 | -2243.75 | 7.61 | 0.00 | -0.532 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 01:00:00 | 5 | 29475.0 | 3837.5 | 1662.5 | -2175.0 | 7.38 | 0.00 | -0.713 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 01:15:00 | 6 | 29475.0 | 3857.5 | 1831.25 | -2026.25 | 6.87 | 0.00 | -0.548 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 01:30:00 | 7 | 29475.0 | 3912.5 | 1800.0 | -2112.5 | 7.17 | 0.00 | -2.658 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 01:45:00 | 8 | 29475.0 | 3962.5 | 2043.75 | -1918.75 | 6.51 | 0.00 | 2.127 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 02:00:00 | 9 | 29475.0 | 3842.5 | 2928.12 | -914.38 | 3.1 | 0.00 | 5.342 | 1791.608626 |
| Sadawaghapur 220kV | 10/01/2020 02:15:00 | 10 | 29475.0 | 3812.5 | 4109.38 | 296.88 | 1.01 | 0.00 | 1.595 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 02:30:00 | 11 | 29475.0 | 3912.5 | 5046.88 | 1134.38 | 3.85 | 0.00 | 3.326 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 02:45:00 | 12 | 29475.0 | 3812.5 | 5668.75 | 1856.25 | 6.3 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sadawaghapur 220kV | 10/01/2020 03:00:00 | 13 | 29475.0 | 3887.5 | 7046.88 | 3159.38 | 10.72 | 0.00 | 2.658 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 03:15:00 | 14 | 29475.0 | 3837.5 | 7512.5 | 3675.0 | 12.47 | 0.00 | 2.127 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 03:30:00 | 15 | 29475.0 | 3857.5 | 7531.25 | 3673.75 | 12.46 | 0.00 | 2.127 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 03:45:00 | 16 | 29475.0 | 3912.5 | 7596.88 | 3684.38 | 12.5 | 0.00 | -1.063 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 04:00:00 | 17 | 29475.0 | 3962.5 | 7812.5 | 3850.0 | 13.06 | 0.00 | 1.595 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 04:15:00 | 18 | 29475.0 | 3842.5 | 7562.5 | 3720.0 | 12.62 | 0.00 | 3.326 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 04:30:00 | 19 | 29475.0 | 7590.0 | 7618.75 | 28.75 | 0.1 | 0.00 | 3.326 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 04:45:00 | 20 | 29475.0 | 7565.0 | 8087.5 | 522.5 | 1.77 | 0.00 | 2.127 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 05:00:00 | 21 | 29475.0 | 7412.5 | 8643.75 | 1231.25 | 4.18 | 0.00 | 2.992 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 05:15:00 | 22 | 29475.0 | 7412.5 | 9950.0 | 2537.5 | 8.61 | 0.00 | 1.063 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 05:30:00 | 23 | 29475.0 | 7130.0 | 10378.12 | 3248.12 | 11.02 | 0.00 | -2.658 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 05:45:00 | 24 | 29475.0 | 7080.0 | 10306.25 | 3226.25 | 10.95 | 0.00 | 2.127 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 06:00:00 | 25 | 29475.0 | 6912.5 | 9859.38 | 2946.88 | 10.0 | 0.00 | -2.127 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 06:15:00 | 26 | 29475.0 | 8340.0 | 9350.0 | 1010.0 | 3.43 | 0.00 | 2.658 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 06:30:00 | 27 | 29475.0 | 8330.0 | 9193.75 | 863.75 | 2.93 | 0.00 | -2.992 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 06:45:00 | 28 | 29475.0 | 8130.0 | 8906.25 | 776.25 | 2.63 | 0.00 | -3.077 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 07:00:00 | 29 | 29475.0 | 8060.0 | 8840.62 | 780.62 | 2.65 | 0.00 | -0.687 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 07:15:00 | 30 | 29475.0 | 8162.5 | 8784.38 | 621.88 | 2.11 | 0.00 | -2.658 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 07:30:00 | 31 | 29475.0 | 7962.5 | 8356.25 | 393.75 | 1.34 | 0.00 | -1.063 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 07:45:00 | 32 | 29475.0 | 7590.0 | 8081.25 | 491.25 | 1.67 | 0.00 | -2.658 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 08:00:00 | 33 | 29475.0 | 7562.5 | 7800.0 | 237.5 | 0.81 | 0.00 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sadawaghapur 220kV | 10/01/2020 08:15:00 | 34 | 29475.0 | 7412.5 | 7778.12 | 365.62 | 1.24 | 0.00 | -4.661 | -48.051789 |
| Sadawaghapur 220kV | 10/01/2020 08:30:00 | 35 | 29475.0 | 7337.5 | 7750.0 | 412.5 | 1.4 | 0.00 | 5.663 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 08:45:00 | 36 | 29475.0 | 7340.0 | 8015.62 | 675.62 | 2.29 | 0.00 | 4.328 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 09:00:00 | 37 | 29475.0 | 7135.0 | 7203.12 | 68.12 | 0.23 | 0.00 | -4.995 | -12.422943 |
| Sadawaghapur 220kV | 10/01/2020 09:15:00 | 38 | 29475.0 | 7090.0 | 5990.62 | -1099.38 | 3.73 | 0.00 | -4.327 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 09:30:00 | 39 | 29475.0 | 7140.0 | 5700.0 | -1440.0 | 4.89 | 0.00 | -2.127 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 09:45:00 | 40 | 29475.0 | 6912.5 | 5643.75 | -1268.75 | 4.3 | 0.00 | -1.152 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 10:00:00 | 41 | 29475.0 | 3837.5 | 4853.12 | 1015.62 | 3.45 | 0.00 | 0.000 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 10:15:00 | 42 | 29475.0 | 3857.5 | 4287.5 | 430.0 | 1.46 | 0.00 | -0.532 | -13.237659 |
| Sadawaghapur 220kV | 10/01/2020 10:30:00 | 43 | 29475.0 | 3912.5 | 3881.25 | -31.25 | 0.11 | 0.00 | -1.063 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 10:45:00 | 44 | 29475.0 | 3962.5 | 3518.75 | -443.75 | 1.51 | 0.00 | 0.000 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 11:00:00 | 45 | 29475.0 | 3842.5 | 3425.0 | -417.5 | 1.42 | 0.00 | 2.658 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 11:15:00 | 46 | 29475.0 | 3812.5 | 3590.62 | -221.88 | 0.75 | 0.00 | 0.000 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 11:30:00 | 47 | 29475.0 | 3912.5 | 3793.75 | -118.75 | 0.4 | 0.00 | -1.595 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 11:45:00 | 48 | 29475.0 | 3812.5 | 3487.5 | -325.0 | 1.1 | 0.00 | 2.992 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 12:00:00 | 49 | 29475.0 | 3887.5 | 3168.75 | -718.75 | 2.44 | 0.00 | 0.000 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 12:15:00 | 50 | 29475.0 | 3837.5 | 3215.62 | -621.88 | 2.11 | 0.00 | 2.127 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 12:30:00 | 51 | 29475.0 | 3857.5 | 2862.5 | -995.0 | 3.38 | 0.00 | 1.595 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 12:45:00 | 52 | 29475.0 | 3912.5 | 2531.25 | -1381.25 | 4.69 | 0.00 | -1.063 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 13:00:00 | 53 | 29475.0 | 3962.5 | 2096.88 | -1865.62 | 6.33 | 0.00 | 2.658 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 13:15:00 | 54 | 29475.0 | 3842.5 | 1787.5 | -2055.0 | 6.97 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sadawaghapur 220kV | 10/01/2020 13:30:00 | 55 | 29475.0 | 3937.5 | 1521.88 | -2415.62 | 8.2 | 0.00 | 2.127 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 13:45:00 | 56 | 29475.0 | 3987.5 | 1415.62 | -2571.88 | 8.73 | 0.00 | -3.326 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 14:00:00 | 57 | 29475.0 | 4092.5 | 1346.88 | -2745.62 | 9.32 | 0.00 | -2.992 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 14:15:00 | 58 | 29475.0 | 3937.5 | 1446.88 | -2490.62 | 8.45 | 0.00 | 3.660 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 14:30:00 | 59 | 29475.0 | 4092.5 | 1478.12 | -2614.38 | 8.87 | 0.00 | -2.127 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 14:45:00 | 60 | 29475.0 | 3937.5 | 1593.75 | -2343.75 | 7.95 | 0.00 | -2.127 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 15:00:00 | 61 | 29475.0 | 3937.5 | 1787.5 | -2150.0 | 7.29 | 0.00 | 0.000 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 15:15:00 | 62 | 29475.0 | 3937.5 | 1609.38 | -2328.12 | 7.9 | 0.00 | -2.992 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 15:30:00 | 63 | 29475.0 | 3987.5 | 1293.75 | -2693.75 | 9.14 | 0.00 | -4.995 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 15:45:00 | 64 | 29475.0 | 4092.5 | 1531.25 | -2561.25 | 8.69 | 0.00 | -4.327 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 16:00:00 | 65 | 29475.0 | 3937.5 | 1043.75 | -2893.75 | 9.82 | 0.00 | -4.995 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 16:15:00 | 66 | 29475.0 | 3857.5 | 1118.75 | -2738.75 | 9.29 | 0.00 | -8.000 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 16:30:00 | 67 | 29475.0 | 3812.5 | 1100.0 | -2712.5 | 9.2 | 0.00 | -8.000 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 16:45:00 | 68 | 29475.0 | 3837.5 | 837.5 | -3000.0 | 10.18 | 0.00 | 4.327 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 17:00:00 | 69 | 29475.0 | 3812.5 | 518.75 | -3293.75 | 11.17 | 0.00 | 0.532 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 17:15:00 | 70 | 29475.0 | 3845.0 | 465.62 | -3379.38 | 11.47 | 0.00 | -1.595 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 17:30:00 | 71 | 29475.0 | 3962.5 | 371.88 | -3590.62 | 12.18 | 0.00 | -2.658 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 17:45:00 | 72 | 29475.0 | 3187.5 | 459.38 | -2728.12 | 9.26 | 0.00 | -2.127 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 18:00:00 | 73 | 29475.0 | 3237.5 | 793.75 | -2443.75 | 8.29 | 0.00 | -1.461 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 18:15:00 | 74 | 29475.0 | 3342.5 | 1100.0 | -2242.5 | 7.61 | 0.00 | 3.326 | 788.050816 |
| Sadawaghapur 220kV | 10/01/2020 18:30:00 | 75 | 29475.0 | 3187.5 | 1065.62 | -2121.88 | 7.2 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sadawaghapur 220kV | 10/01/2020 18:45:00 | 76 | 29475.0 | 3342.5 | 931.25 | -2411.25 | 8.18 | 0.00 | 3.994 | 402.496440 |
| Sadawaghapur 220kV | 10/01/2020 19:00:00 | 77 | 29475.0 | 3187.5 | 815.62 | -2371.88 | 8.05 | 0.00 | -2.127 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 19:15:00 | 78 | 29475.0 | 4092.5 | 634.38 | -3458.12 | 11.73 | 0.00 | -2.658 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 19:30:00 | 79 | 29475.0 | 3937.5 | 581.25 | -3356.25 | 11.39 | 0.00 | -3.660 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 19:45:00 | 80 | 29475.0 | 3937.5 | 484.38 | -3453.12 | 11.72 | 0.00 | -3.326 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 20:00:00 | 81 | 29475.0 | 3937.5 | 656.25 | -3281.25 | 11.13 | 0.00 | 3.660 | 799.866547 |
| Sadawaghapur 220kV | 10/01/2020 20:15:00 | 82 | 29475.0 | 3987.5 | 903.12 | -3084.38 | 10.46 | 0.00 | 3.660 | 3228.887847 |
| Sadawaghapur 220kV | 10/01/2020 20:30:00 | 83 | 29475.0 | 4092.5 | 928.12 | -3164.38 | 10.74 | 0.00 | 4.995 | 4702.778116 |
| Sadawaghapur 220kV | 10/01/2020 20:45:00 | 84 | 29475.0 | 3937.5 | 918.75 | -3018.75 | 10.24 | 0.00 | 2.992 | 3172.493503 |
| Sadawaghapur 220kV | 10/01/2020 21:00:00 | 85 | 29475.0 | 3937.5 | 778.12 | -3159.38 | 10.72 | 0.00 | -3.660 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 21:15:00 | 86 | 29475.0 | 4092.5 | 818.75 | -3273.75 | 11.11 | 0.00 | -1.595 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 21:30:00 | 87 | 29475.0 | 3937.5 | 818.75 | -3118.75 | 10.58 | 0.00 | -1.063 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 21:45:00 | 88 | 29475.0 | 3937.5 | 821.88 | -3115.62 | 10.57 | 0.00 | -0.532 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 22:00:00 | 89 | 29475.0 | 3937.5 | 843.75 | -3093.75 | 10.5 | 0.00 | -1.595 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 22:15:00 | 90 | 29475.0 | 3987.5 | 906.25 | -3081.25 | 10.45 | 0.00 | -2.127 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 22:30:00 | 91 | 29475.0 | 4092.5 | 856.25 | -3236.25 | 10.98 | 0.00 | 1.063 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 22:45:00 | 92 | 29475.0 | 3937.5 | 1062.5 | -2875.0 | 9.75 | 0.00 | -2.658 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 23:00:00 | 93 | 29475.0 | 3857.5 | 1325.0 | -2532.5 | 8.59 | 0.00 | -2.658 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 23:15:00 | 94 | 29475.0 | 3812.5 | 1437.5 | -2375.0 | 8.06 | 0.00 | 0.000 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 23:30:00 | 95 | 29475.0 | 3837.5 | 1681.25 | -2156.25 | 7.32 | 0.00 | 0.000 | 0.000000 |
| Sadawaghapur 220kV | 10/01/2020 23:45:00 | 96 | 29475.0 | 3812.5 | 1900.0 | -1912.5 | 6.49 | 0.00 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sadawaghapur 220kV | 11/01/2020 00:00:00 | 1 | 29475.0 | 3812.5 | 2050.0 | -1762.5 | 5.98 | 0.00 | 0.000 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 00:15:00 | 2 | 29475.0 | 3912.5 | 2090.62 | -1821.88 | 6.18 | 0.00 | -2.629 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 00:30:00 | 3 | 29475.0 | 3812.5 | 2137.5 | -1675.0 | 5.68 | 0.00 | -1.577 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 00:45:00 | 4 | 29475.0 | 3887.5 | 2418.75 | -1468.75 | 4.98 | 0.00 | 2.103 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 01:00:00 | 5 | 29475.0 | 3837.5 | 2259.38 | -1578.12 | 5.35 | 0.00 | 2.964 | 741.421491 |
| Sadawaghapur 220kV | 11/01/2020 01:15:00 | 6 | 29475.0 | 3857.5 | 2062.5 | -1795.0 | 6.09 | 0.00 | 1.052 | 118.383516 |
| Sadawaghapur 220kV | 11/01/2020 01:30:00 | 7 | 29475.0 | 3912.5 | 2243.75 | -1668.75 | 5.66 | 0.00 | 1.577 | 195.944276 |
| Sadawaghapur 220kV | 11/01/2020 01:45:00 | 8 | 29475.0 | 3962.5 | 3087.5 | -875.0 | 2.97 | 0.00 | -0.526 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 02:00:00 | 9 | 29475.0 | 3842.5 | 6290.62 | 2448.12 | 8.31 | 0.00 | -0.403 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 02:15:00 | 10 | 29475.0 | 3812.5 | 7306.25 | 3493.75 | 11.85 | 0.00 | -0.630 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 02:30:00 | 11 | 29475.0 | 3912.5 | 6890.62 | 2978.12 | 10.1 | 0.00 | -0.526 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 02:45:00 | 12 | 29475.0 | 8090.0 | 6868.75 | -1221.25 | 4.14 | 0.00 | -0.526 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 03:00:00 | 13 | 29475.0 | 8052.5 | 6012.5 | -2040.0 | 6.92 | 0.00 | -1.051 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 03:15:00 | 14 | 29475.0 | 7812.5 | 5106.25 | -2706.25 | 9.18 | 0.00 | 0.000 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 03:30:00 | 15 | 29475.0 | 7815.0 | 4984.38 | -2830.62 | 9.6 | 0.00 | 0.000 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 03:45:00 | 16 | 29475.0 | 7662.5 | 5128.12 | -2534.38 | 8.6 | 0.00 | 0.000 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 04:00:00 | 17 | 29475.0 | 7587.5 | 5387.5 | -2200.0 | 7.46 | 0.00 | 0.000 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 04:15:00 | 18 | 29475.0 | 5080.0 | 5059.38 | -20.62 | 0.07 | 0.00 | -1.051 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 04:30:00 | 19 | 29475.0 | 5062.5 | 5140.62 | 78.12 | 0.27 | 0.00 | -2.964 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 04:45:00 | 20 | 29475.0 | 5312.5 | 5028.12 | -284.38 | 0.96 | 0.00 | -3.300 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 05:00:00 | 21 | 29475.0 | 4912.5 | 4896.88 | -15.62 | 0.05 | 0.00 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sadawaghapur 220kV | 11/01/2020 05:15:00 | 22 | 29475.0 | 4630.0 | 5259.38 | 629.38 | 2.14 | 0.00 | 5.314 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 05:30:00 | 23 | 29475.0 | 4560.0 | 5237.5 | 677.5 | 2.3 | 0.00 | 2.964 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 05:45:00 | 24 | 29475.0 | 4412.5 | 4740.62 | 328.12 | 1.11 | 0.00 | 2.103 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 06:00:00 | 25 | 29475.0 | 4380.0 | 4509.38 | 129.38 | 0.44 | 0.00 | 3.636 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 06:15:00 | 26 | 29475.0 | 4135.0 | 4203.12 | 68.12 | 0.23 | 0.00 | 2.964 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 06:30:00 | 27 | 29475.0 | 5380.0 | 4096.88 | -1283.12 | 4.35 | 0.00 | 4.105 | 942.619040 |
| Sadawaghapur 220kV | 11/01/2020 06:45:00 | 28 | 29475.0 | 5330.0 | 3606.25 | -1723.75 | 5.85 | 0.00 | 5.650 | 266.581911 |
| Sadawaghapur 220kV | 11/01/2020 07:00:00 | 29 | 29475.0 | 5162.5 | 2962.5 | -2200.0 | 7.46 | 0.00 | 3.300 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 07:15:00 | 30 | 29475.0 | 5062.5 | 2612.5 | -2450.0 | 8.31 | 0.00 | 5.314 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 07:30:00 | 31 | 29475.0 | 5137.5 | 2109.38 | -3028.12 | 10.27 | 0.00 | 2.964 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 07:45:00 | 32 | 29475.0 | 5087.5 | 1946.88 | -3140.62 | 10.66 | 0.00 | 2.103 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 08:00:00 | 33 | 29475.0 | 5107.5 | 1643.75 | -3463.75 | 11.75 | 0.00 | -1.577 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 08:15:00 | 34 | 29475.0 | 5162.5 | 1515.62 | -3646.88 | 12.37 | 0.00 | 3.300 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 08:30:00 | 35 | 29475.0 | 5212.5 | 1509.38 | -3703.12 | 12.56 | 0.00 | 2.116 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 08:45:00 | 36 | 29475.0 | 5092.5 | 1340.62 | -3751.88 | 12.73 | 0.00 | 2.964 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 09:00:00 | 37 | 29475.0 | 5062.5 | 1165.62 | -3896.88 | 13.22 | 0.00 | 6.681 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 09:15:00 | 38 | 29475.0 | 5162.5 | 934.38 | -4228.12 | 14.34 | 0.00 | 6.657 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 09:30:00 | 39 | 29475.0 | 5062.5 | 828.12 | -4234.38 | 14.37 | 0.00 | -6.322 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 09:45:00 | 40 | 29475.0 | 5137.5 | 768.75 | -4368.75 | 14.82 | 0.00 | -2.103 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 10:00:00 | 41 | 29475.0 | 5087.5 | 718.75 | -4368.75 | 14.82 | 0.00 | 0.526 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 10:15:00 | 42 | 29475.0 | 5107.5 | 565.62 | -4541.88 | 15.41 | 60.32 | 0.526 | 0.000000 |

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| Sadawaghapur 220kV | 11/01/2020 10:30:00 | 43 | 29475.0 | 5162.5 | 509.38 | -4653.12 | 15.79 | 115.94 | 0.000 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 10:45:00 | 44 | 29475.0 | 3962.5 | 334.38 | -3628.12 | 12.31 | 0.00 | 0.000 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 11:00:00 | 45 | 29475.0 | 3842.5 | 365.62 | -3476.88 | 11.8 | 0.00 | 0.000 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 11:15:00 | 46 | 29475.0 | 3812.5 | 456.25 | -3356.25 | 11.39 | 0.00 | -2.964 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 11:30:00 | 47 | 29475.0 | 3912.5 | 278.12 | -3634.38 | 12.33 | 0.00 | -4.307 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 11:45:00 | 48 | 29475.0 | 3812.5 | 300.0 | -3512.5 | 11.92 | 0.00 | -3.300 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 12:00:00 | 49 | 29475.0 | 3887.5 | 459.38 | -3428.12 | 11.63 | 0.00 | -0.526 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 12:15:00 | 50 | 29475.0 | 3837.5 | 565.62 | -3271.88 | 11.1 | 0.00 | -2.103 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 12:30:00 | 51 | 29475.0 | 3857.5 | 540.62 | -3316.88 | 11.25 | 0.00 | -2.629 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 12:45:00 | 52 | 29475.0 | 3912.5 | 656.25 | -3256.25 | 11.05 | 0.00 | -2.629 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 13:00:00 | 53 | 29475.0 | 3962.5 | 646.88 | -3315.62 | 11.25 | 0.00 | 0.000 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 13:15:00 | 54 | 29475.0 | 3842.5 | 475.0 | -3367.5 | 11.42 | 0.00 | -2.103 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 13:30:00 | 55 | 29475.0 | 3937.5 | 534.38 | -3403.12 | 11.55 | 0.00 | 2.629 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 13:45:00 | 56 | 29475.0 | 3987.5 | 546.88 | -3440.62 | 11.67 | 0.00 | 2.103 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 14:00:00 | 57 | 29475.0 | 4092.5 | 621.88 | -3470.62 | 11.77 | 0.00 | 1.051 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 14:15:00 | 58 | 29475.0 | 3937.5 | 521.88 | -3415.62 | 11.59 | 0.00 | 3.300 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 14:30:00 | 59 | 29475.0 | 4092.5 | 309.38 | -3783.12 | 12.84 | 0.00 | -3.636 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 14:45:00 | 60 | 29475.0 | 3937.5 | 181.25 | -3756.25 | 12.74 | 0.00 | 4.979 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 15:00:00 | 61 | 29475.0 | 3937.5 | 15.62 | -3921.88 | 13.31 | 0.00 | -2.964 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 15:15:00 | 62 | 29475.0 | 3937.5 | 0.0 | -3937.5 | 13.36 | 0.00 | -5.314 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 15:30:00 | 63 | 29475.0 | 3987.5 | 0.0 | -3987.5 | 13.53 | 0.00 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sadawaghapur 220kV | 11/01/2020 15:45:00 | 64 | 29475.0 | 4092.5 | 0.0 | -4092.5 | 13.88 | 0.00 | 4.643 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 16:00:00 | 65 | 29475.0 | 3937.5 | 0.0 | -3937.5 | 13.36 | 0.00 | 2.103 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 16:15:00 | 66 | 29475.0 | 3857.5 | 0.0 | -3857.5 | 13.09 | 0.00 | -2.964 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 16:30:00 | 67 | 29475.0 | 3812.5 | 0.0 | -3812.5 | 12.93 | 0.00 | -2.103 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 16:45:00 | 68 | 29475.0 | 3837.5 | 0.0 | -3837.5 | 13.02 | 0.00 | 3.972 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 17:00:00 | 69 | 29475.0 | 3812.5 | 0.0 | -3812.5 | 12.93 | 0.00 | -1.577 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 17:15:00 | 70 | 29475.0 | 3845.0 | 0.0 | -3845.0 | 13.04 | 0.00 | -1.577 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 17:30:00 | 71 | 29475.0 | 3962.5 | 0.0 | -3962.5 | 13.44 | 0.00 | 1.051 | 50.558904 |
| Sadawaghapur 220kV | 11/01/2020 17:45:00 | 72 | 29475.0 | 3812.5 | 0.0 | -3812.5 | 12.93 | 0.00 | -2.103 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 18:00:00 | 73 | 29475.0 | 3937.5 | 0.0 | -3937.5 | 13.36 | 0.00 | -2.964 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 18:15:00 | 74 | 29475.0 | 3987.5 | 0.0 | -3987.5 | 13.53 | 0.00 | -2.629 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 18:30:00 | 75 | 29475.0 | 4092.5 | 0.0 | -4092.5 | 13.88 | 0.00 | 2.103 | 143.861581 |
| Sadawaghapur 220kV | 11/01/2020 18:45:00 | 76 | 29475.0 | 3937.5 | 0.0 | -3937.5 | 13.36 | 0.00 | 0.526 | 405.274405 |
| Sadawaghapur 220kV | 11/01/2020 19:00:00 | 77 | 29475.0 | 4092.5 | 0.0 | -4092.5 | 13.88 | 0.00 | 2.103 | 1672.999910 |
| Sadawaghapur 220kV | 11/01/2020 19:15:00 | 78 | 29475.0 | 3937.5 | 0.0 | -3937.5 | 13.36 | 0.00 | -1.052 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 19:30:00 | 79 | 29475.0 | 3937.5 | 0.0 | -3937.5 | 13.36 | 0.00 | 2.964 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 19:45:00 | 80 | 29475.0 | 3937.5 | 0.0 | -3937.5 | 13.36 | 0.00 | 2.629 | 2928.857796 |
| Sadawaghapur 220kV | 11/01/2020 20:00:00 | 81 | 29475.0 | 3987.5 | 9.38 | -3978.12 | 13.5 | 0.00 | 2.629 | 646.964504 |
| Sadawaghapur 220kV | 11/01/2020 20:15:00 | 82 | 29475.0 | 4092.5 | 0.0 | -4092.5 | 13.88 | 0.00 | 4.307 | 2194.706759 |
| Sadawaghapur 220kV | 11/01/2020 20:30:00 | 83 | 29475.0 | 3937.5 | 3.12 | -3934.38 | 13.35 | 0.00 | 2.964 | 5409.816196 |
| Sadawaghapur 220kV | 11/01/2020 20:45:00 | 84 | 29475.0 | 3857.5 | 18.75 | -3838.75 | 13.02 | 0.00 | 2.629 | 4530.887595 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sadawaghapur 220kV | 11/01/2020 21:00:00 | 85 | 29475.0 | 3812.5 | 193.75 | -3618.75 | 12.28 | 0.00 | 3.636 | 775.744318 |
| Sadawaghapur 220kV | 11/01/2020 21:15:00 | 86 | 29475.0 | 3837.5 | 409.38 | -3428.12 | 11.63 | 0.00 | -1.577 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 21:30:00 | 87 | 29475.0 | 3812.5 | 750.0 | -3062.5 | 10.39 | 0.00 | -1.577 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 21:45:00 | 88 | 29475.0 | 3845.0 | 1087.5 | -2757.5 | 9.36 | 0.00 | -1.052 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 22:00:00 | 89 | 29475.0 | 3962.5 | 1575.0 | -2387.5 | 8.1 | 0.00 | -5.650 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 22:15:00 | 90 | 29475.0 | 3187.5 | 1809.38 | -1378.12 | 4.68 | 0.00 | -5.650 | 0.000000 |
| Sadawaghapur 220kV | 11/01/2020 22:30:00 | 91 | 29475.0 | 4092.5 | 2087.5 | -2005.0 | 6.8 | 0.00 | 4.979 | 966.724026 |
| Sadawaghapur 220kV | 11/01/2020 22:45:00 | 92 | 29475.0 | 3937.5 | 1712.5 | -2225.0 | 7.55 | 0.00 | 2.964 | 1397.261926 |
| Sadawaghapur 220kV | 11/01/2020 23:00:00 | 93 | 29475.0 | 3857.5 | 1484.38 | -2373.12 | 8.05 | 0.00 | 1.577 | 371.079420 |
| Sadawaghapur 220kV | 11/01/2020 23:15:00 | 94 | 29475.0 | 3812.5 | 1325.0 | -2487.5 | 8.44 | 0.00 | 1.074 | 318.150500 |
| Sadawaghapur 220kV | 11/01/2020 23:30:00 | 95 | 29475.0 | 3837.5 | 1343.75 | -2493.75 | 8.46 | 0.00 | 2.113 | 1437.617960 |
| Sadawaghapur 220kV | 11/01/2020 23:45:00 | 96 | 29475.0 | 3812.5 | 1093.75 | -2718.75 | 9.22 | 0.00 | 2.162 | 2020.586819 |
| Sadawaghapur 220kV | 12/01/2020 00:00:00 | 1 | 29475.0 | 4062.5 | 1053.12 | -3009.38 | 10.21 | 0.00 | 3.022 | 1850.972834 |
| Sadawaghapur 220kV | 12/01/2020 00:15:00 | 2 | 29475.0 | 4162.5 | 940.62 | -3221.88 | 10.93 | 0.00 | -2.152 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 00:30:00 | 3 | 29475.0 | 4062.5 | 871.88 | -3190.62 | 10.82 | 0.00 | -2.152 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 00:45:00 | 4 | 29475.0 | 4137.5 | 700.0 | -3437.5 | 11.66 | 0.00 | -3.022 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 01:00:00 | 5 | 29475.0 | 4087.5 | 512.5 | -3575.0 | 12.13 | 0.00 | -0.629 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 01:15:00 | 6 | 29475.0 | 4107.5 | 515.62 | -3591.88 | 12.19 | 0.00 | -3.317 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 01:30:00 | 7 | 29475.0 | 4162.5 | 578.12 | -3584.38 | 12.16 | 0.00 | -3.354 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 01:45:00 | 8 | 29475.0 | 4212.5 | 606.25 | -3606.25 | 12.23 | 0.00 | -3.022 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 02:00:00 | 9 | 29475.0 | 4092.5 | 443.75 | -3648.75 | 12.38 | 0.00 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sadawaghapur 220kV | 12/01/2020 02:15:00 | 10 | 29475.0 | 4062.5 | 540.62 | -3521.88 | 11.95 | 0.00 | -3.022 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 02:30:00 | 11 | 29475.0 | 4162.5 | 843.75 | -3318.75 | 11.26 | 0.00 | -2.690 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 02:45:00 | 12 | 29475.0 | 4062.5 | 1175.0 | -2887.5 | 9.8 | 0.00 | -3.022 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 03:00:00 | 13 | 29475.0 | 4137.5 | 1834.38 | -2303.12 | 7.81 | 0.00 | 3.354 | 1090.497461 |
| Sadawaghapur 220kV | 12/01/2020 03:15:00 | 14 | 29475.0 | 4087.5 | 2490.62 | -1596.88 | 5.42 | 0.00 | 3.022 | 927.252319 |
| Sadawaghapur 220kV | 12/01/2020 03:30:00 | 15 | 29475.0 | 4107.5 | 2709.38 | -1398.12 | 4.74 | 0.00 | 3.354 | 301.112572 |
| Sadawaghapur 220kV | 12/01/2020 03:45:00 | 16 | 29475.0 | 4162.5 | 3425.0 | -737.5 | 2.5 | 0.00 | 2.152 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 04:00:00 | 17 | 29475.0 | 4212.5 | 4206.25 | -6.25 | 0.02 | 0.00 | -2.152 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 04:15:00 | 18 | 29475.0 | 4092.5 | 4959.38 | 866.88 | 2.94 | 0.00 | -3.022 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 04:30:00 | 19 | 29475.0 | 4062.5 | 5434.38 | 1371.88 | 4.65 | 0.00 | 1.076 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 04:45:00 | 20 | 29475.0 | 4162.5 | 4900.0 | 737.5 | 2.5 | 0.00 | -3.022 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 05:00:00 | 21 | 29475.0 | 4062.5 | 4409.38 | 346.88 | 1.18 | 0.00 | 3.686 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 05:15:00 | 22 | 29475.0 | 4137.5 | 3778.12 | -359.38 | 1.22 | 0.00 | 3.686 | 396.493384 |
| Sadawaghapur 220kV | 12/01/2020 05:30:00 | 23 | 29475.0 | 4087.5 | 3762.5 | -325.0 | 1.1 | 0.00 | -1.614 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 05:45:00 | 24 | 29475.0 | 4107.5 | 3875.0 | -232.5 | 0.79 | 0.00 | -0.496 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 06:00:00 | 25 | 29475.0 | 4162.5 | 4093.75 | -68.75 | 0.23 | 0.00 | 0.000 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 06:15:00 | 26 | 29475.0 | 4212.5 | 4059.38 | -153.12 | 0.52 | 0.00 | -0.430 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 06:30:00 | 27 | 29475.0 | 4092.5 | 3612.5 | -480.0 | 1.63 | 0.00 | -2.152 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 06:45:00 | 28 | 29475.0 | 4062.5 | 3621.88 | -440.62 | 1.49 | 0.00 | 4.681 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 07:00:00 | 29 | 29475.0 | 4162.5 | 3484.38 | -678.12 | 2.3 | 0.00 | 1.614 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 07:15:00 | 30 | 29475.0 | 4062.5 | 3590.62 | -471.88 | 1.6 | 0.00 | 3.838 | 390.554495 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sadawaghapur 220kV | 12/01/2020 07:30:00 | 31 | 29475.0 | 4137.5 | 3412.5 | -725.0 | 2.46 | 0.00 | 3.022 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 07:45:00 | 32 | 29475.0 | 4087.5 | 3231.25 | -856.25 | 2.91 | 0.00 | 2.690 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 08:00:00 | 33 | 29475.0 | 4107.5 | 2737.5 | -1370.0 | 4.65 | 0.00 | -2.690 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 08:15:00 | 34 | 29475.0 | 4162.5 | 2121.88 | -2040.62 | 6.92 | 0.00 | -4.018 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 08:30:00 | 35 | 29475.0 | 4212.5 | 1684.38 | -2528.12 | 8.58 | 0.00 | -2.690 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 08:45:00 | 36 | 29475.0 | 4092.5 | 1465.62 | -2626.88 | 8.91 | 0.00 | 3.022 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 09:00:00 | 37 | 29475.0 | 4062.5 | 1478.12 | -2584.38 | 8.77 | 0.00 | -3.354 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 09:15:00 | 38 | 29475.0 | 4162.5 | 1187.5 | -2975.0 | 10.09 | 0.00 | -4.350 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 09:30:00 | 39 | 29475.0 | 4062.5 | 871.88 | -3190.62 | 10.82 | 0.00 | 2.152 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 09:45:00 | 40 | 29475.0 | 4137.5 | 1043.75 | -3093.75 | 10.5 | 0.00 | -2.690 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 10:00:00 | 41 | 29475.0 | 4087.5 | 1221.88 | -2865.62 | 9.72 | 0.00 | -3.354 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 10:15:00 | 42 | 29475.0 | 4107.5 | 1290.62 | -2816.88 | 9.56 | 0.00 | -3.686 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 10:30:00 | 43 | 29475.0 | 3412.5 | 1437.5 | -1975.0 | 6.7 | 0.00 | -1.614 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 10:45:00 | 44 | 29475.0 | 3462.5 | 1587.5 | -1875.0 | 6.36 | 0.00 | 3.686 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 11:00:00 | 45 | 29475.0 | 3342.5 | 1525.0 | -1817.5 | 6.17 | 0.00 | -3.354 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 11:15:00 | 46 | 29475.0 | 3312.5 | 1459.38 | -1853.12 | 6.29 | 0.00 | -5.450 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 11:30:00 | 47 | 29475.0 | 3412.5 | 1440.62 | -1971.88 | 6.69 | 0.00 | -6.009 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 11:45:00 | 48 | 29475.0 | 3312.5 | 1409.38 | -1903.12 | 6.46 | 0.00 | 2.690 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 12:00:00 | 49 | 29475.0 | 3387.5 | 1293.75 | -2093.75 | 7.1 | 0.00 | 3.686 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 12:15:00 | 50 | 29475.0 | 3337.5 | 1153.12 | -2184.38 | 7.41 | 0.00 | -5.345 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 12:30:00 | 51 | 29475.0 | 3357.5 | 696.88 | -2660.62 | 9.03 | 0.00 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sadawaghapur 220kV | 12/01/2020 12:45:00 | 52 | 29475.0 | 3412.5 | 525.0 | -2887.5 | 9.8 | 0.00 | -5.345 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 13:00:00 | 53 | 29475.0 | 3462.5 | 550.0 | -2912.5 | 9.88 | 0.00 | -3.999 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 13:15:00 | 54 | 29475.0 | 3342.5 | 575.0 | -2767.5 | 9.39 | 0.00 | -4.350 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 13:30:00 | 55 | 29475.0 | 3437.5 | 587.5 | -2850.0 | 9.67 | 0.00 | -1.076 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 13:45:00 | 56 | 29475.0 | 3487.5 | 368.75 | -3118.75 | 10.58 | 0.00 | -2.690 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 14:00:00 | 57 | 29475.0 | 3592.5 | 203.12 | -3389.38 | 11.5 | 0.00 | -0.538 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 14:15:00 | 58 | 29475.0 | 3437.5 | 293.75 | -3143.75 | 10.67 | 0.00 | -2.152 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 14:30:00 | 59 | 29475.0 | 3592.5 | 165.62 | -3426.88 | 11.63 | 0.00 | -2.690 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 14:45:00 | 60 | 29475.0 | 3437.5 | 46.88 | -3390.62 | 11.5 | 0.00 | -1.076 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 15:00:00 | 61 | 29475.0 | 3437.5 | 6.25 | -3431.25 | 11.64 | 0.00 | 0.000 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 15:15:00 | 62 | 29475.0 | 3437.5 | 3.12 | -3434.38 | 11.65 | 0.00 | -2.690 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 15:30:00 | 63 | 29475.0 | 3487.5 | 9.38 | -3478.12 | 11.8 | 0.00 | -3.022 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 15:45:00 | 64 | 29475.0 | 3592.5 | 0.0 | -3592.5 | 12.19 | 0.00 | -3.686 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 16:00:00 | 65 | 29475.0 | 3437.5 | 0.0 | -3437.5 | 11.66 | 0.00 | -3.737 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 16:15:00 | 66 | 29475.0 | 3357.5 | 0.0 | -3357.5 | 11.39 | 0.00 | -5.786 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 16:30:00 | 67 | 29475.0 | 3312.5 | 0.0 | -3312.5 | 11.24 | 0.00 | -4.350 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 16:45:00 | 68 | 29475.0 | 3337.5 | 0.0 | -3337.5 | 11.32 | 0.00 | -1.614 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 17:00:00 | 69 | 29475.0 | 3312.5 | 0.0 | -3312.5 | 11.24 | 0.00 | 0.000 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 17:15:00 | 70 | 29475.0 | 3345.0 | 0.0 | -3345.0 | 11.35 | 0.00 | 2.690 | 867.203801 |
| Sadawaghapur 220kV | 12/01/2020 17:30:00 | 71 | 29475.0 | 3462.5 | 0.0 | -3462.5 | 11.75 | 0.00 | -3.022 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 17:45:00 | 72 | 29475.0 | 2687.5 | 0.0 | -2687.5 | 9.12 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sadawaghapur 220kV | 12/01/2020 18:00:00 | 73 | 29475.0 | 2737.5 | 0.0 | -2737.5 | 9.29 | 0.00 | -0.538 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 18:15:00 | 74 | 29475.0 | 2842.5 | 0.0 | -2842.5 | 9.64 | 0.00 | -4.350 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 18:30:00 | 75 | 29475.0 | 2687.5 | 0.0 | -2687.5 | 9.12 | 0.00 | 2.690 | 462.156341 |
| Sadawaghapur 220kV | 12/01/2020 18:45:00 | 76 | 29475.0 | 2842.5 | 0.0 | -2842.5 | 9.64 | 0.00 | 3.022 | 3149.109778 |
| Sadawaghapur 220kV | 12/01/2020 19:00:00 | 77 | 29475.0 | 2687.5 | 0.0 | -2687.5 | 9.12 | 0.00 | 3.686 | 956.365714 |
| Sadawaghapur 220kV | 12/01/2020 19:15:00 | 78 | 29475.0 | 3592.5 | 0.0 | -3592.5 | 12.19 | 0.00 | 2.690 | 75.884577 |
| Sadawaghapur 220kV | 12/01/2020 19:30:00 | 79 | 29475.0 | 3437.5 | 0.0 | -3437.5 | 11.66 | 0.00 | -3.022 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 19:45:00 | 80 | 29475.0 | 3437.5 | 0.0 | -3437.5 | 11.66 | 0.00 | -1.781 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 20:00:00 | 81 | 29475.0 | 3437.5 | 0.0 | -3437.5 | 11.66 | 0.00 | -3.021 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 20:15:00 | 82 | 29475.0 | 3487.5 | 0.0 | -3487.5 | 11.83 | 0.00 | -4.018 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 20:30:00 | 83 | 29475.0 | 3592.5 | 0.0 | -3592.5 | 12.19 | 0.00 | -3.354 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 20:45:00 | 84 | 29475.0 | 3437.5 | 0.0 | -3437.5 | 11.66 | 0.00 | -1.614 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 21:00:00 | 85 | 29475.0 | 3437.5 | 0.0 | -3437.5 | 11.66 | 0.00 | -4.350 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 21:15:00 | 86 | 29475.0 | 3592.5 | 0.0 | -3592.5 | 12.19 | 0.00 | -3.686 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 21:30:00 | 87 | 29475.0 | 3437.5 | 0.0 | -3437.5 | 11.66 | 0.00 | -1.614 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 21:45:00 | 88 | 29475.0 | 3437.5 | 0.0 | -3437.5 | 11.66 | 0.00 | 0.000 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 22:00:00 | 89 | 29475.0 | 3437.5 | 0.0 | -3437.5 | 11.66 | 0.00 | -3.354 | 0.000000 |
| Sadawaghapur 220kV | 12/01/2020 22:15:00 | 90 | 29475.0 | 3487.5 | 0.0 | -3487.5 | 11.83 | 0.00 | 4.350 | 4258.065910 |
| Sadawaghapur 220kV | 12/01/2020 22:30:00 | 91 | 29475.0 | 3592.5 | 0.0 | -3592.5 | 12.19 | 0.00 | 5.215 | 8272.222114 |
| Sadawaghapur 220kV | 12/01/2020 22:45:00 | 92 | 29475.0 | 3437.5 | 0.0 | -3437.5 | 11.66 | 0.00 | 3.022 | 774.845764 |
| Sadawaghapur 220kV | 12/01/2020 23:00:00 | 93 | 29475.0 | 3357.5 | 0.0 | -3357.5 | 11.39 | 0.00 | 3.022 | 1657.673577 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sadawaghapur 220kV | 12/01/2020 23:15:00 | 94 | 29475.0 | 3312.5 | 0.0 | -3312.5 | 11.24 | 0.00 | 2.152 | 1628.450214 |
| Sadawaghapur 220kV | 12/01/2020 23:30:00 | 95 | 29475.0 | 3337.5 | 0.0 | -3337.5 | 11.32 | 0.00 | 2.152 | 944.175579 |
| Sadawaghapur 220kV | 12/01/2020 23:45:00 | 96 | 29475.0 | 3312.5 | 0.0 | -3312.5 | 11.24 | 0.00 | 2.152 | 1076.723550 |
| Sakri 132kV | 06/01/2020 00:00:00 | 1 | 21637.5 | 5362.5 | 4571.88 | -790.62 | 3.65 | 0.00 | 2.903 | 0.000000 |
| Sakri 132kV | 06/01/2020 00:15:00 | 2 | 21637.5 | 5280.0 | 4660.94 | -619.06 | 2.86 | 0.00 | 0.000 | 0.000000 |
| Sakri 132kV | 06/01/2020 00:30:00 | 3 | 21637.5 | 5195.0 | 4271.09 | -923.91 | 4.27 | 0.00 | 0.000 | 0.000000 |
| Sakri 132kV | 06/01/2020 00:45:00 | 4 | 21637.5 | 5112.5 | 4452.34 | -660.16 | 3.05 | 0.00 | -0.984 | 0.000000 |
| Sakri 132kV | 06/01/2020 01:00:00 | 5 | 21637.5 | 5030.0 | 5038.28 | 8.28 | 0.04 | 0.00 | -3.541 | 0.000000 |
| Sakri 132kV | 06/01/2020 01:15:00 | 6 | 21637.5 | 4972.5 | 5003.91 | 31.41 | 0.15 | 0.00 | 3.222 | 0.000000 |
| Sakri 132kV | 06/01/2020 01:30:00 | 7 | 21637.5 | 4862.5 | 5317.19 | 454.69 | 2.1 | 0.00 | 3.541 | 0.000000 |
| Sakri 132kV | 06/01/2020 01:45:00 | 8 | 21637.5 | 5280.0 | 5309.38 | 29.38 | 0.14 | 0.00 | 2.352 | 0.000000 |
| Sakri 132kV | 06/01/2020 02:00:00 | 9 | 21637.5 | 5195.0 | 5141.41 | -53.59 | 0.25 | 0.00 | 1.747 | 0.000000 |
| Sakri 132kV | 06/01/2020 02:15:00 | 10 | 21637.5 | 5112.5 | 5317.19 | 204.69 | 0.95 | 0.00 | 0.581 | 0.000000 |
| Sakri 132kV | 06/01/2020 02:30:00 | 11 | 21637.5 | 5030.0 | 5833.6 | 803.6 | 3.71 | 0.00 | -2.323 | 0.000000 |
| Sakri 132kV | 06/01/2020 02:45:00 | 12 | 21637.5 | 4972.5 | 6090.63 | 1118.13 | 5.17 | 0.00 | 2.323 | 0.000000 |
| Sakri 132kV | 06/01/2020 03:00:00 | 13 | 21637.5 | 4862.5 | 6359.37 | 1496.87 | 6.92 | 0.00 | 2.323 | 0.000000 |
| Sakri 132kV | 06/01/2020 03:15:00 | 14 | 21637.5 | 2525.0 | 7193.75 | 4668.75 | 21.58 | 711.56 | -1.742 | -140.601009 |
| Sakri 132kV | 06/01/2020 03:30:00 | 15 | 21637.5 | 2410.0 | 7142.19 | 4732.19 | 21.87 | 743.28 | 3.222 | 0.000000 |
| Sakri 132kV | 06/01/2020 03:45:00 | 16 | 21637.5 | 2442.5 | 7014.06 | 4571.56 | 21.13 | 662.97 | 3.541 | 0.000000 |
| Sakri 132kV | 06/01/2020 04:00:00 | 17 | 21637.5 | 2455.0 | 6879.69 | 4424.69 | 20.45 | 589.53 | 4.496 | 0.000000 |
| Sakri 132kV | 06/01/2020 04:15:00 | 18 | 21637.5 | 2472.5 | 6435.16 | 3962.66 | 18.31 | 358.52 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sakri 132kV | 06/01/2020 04:30:00 | 19 | 21637.5 | 2487.5 | 6023.44 | 3535.94 | 16.34 | 145.16 | 3.859 | 0.000000 |
| Sakri 132kV | 06/01/2020 04:45:00 | 20 | 21637.5 | 8132.5 | 4986.72 | -3145.78 | 14.54 | 0.00 | 4.815 | 0.000000 |
| Sakri 132kV | 06/01/2020 05:00:00 | 21 | 21637.5 | 8152.5 | 4361.72 | -3790.78 | 17.52 | 272.58 | 3.859 | 1662.563782 |
| Sakri 132kV | 06/01/2020 05:15:00 | 22 | 21637.5 | 8172.5 | 3820.31 | -4352.19 | 20.11 | 553.28 | 6.407 | 3445.995107 |
| Sakri 132kV | 06/01/2020 05:30:00 | 23 | 21637.5 | 8160.0 | 3455.47 | -4704.53 | 21.74 | 729.45 | 6.496 | 5514.503452 |
| Sakri 132kV | 06/01/2020 05:45:00 | 24 | 21637.5 | 8192.5 | 3688.28 | -4504.22 | 20.82 | 629.30 | 7.492 | 2853.202756 |
| Sakri 132kV | 06/01/2020 06:00:00 | 25 | 21637.5 | 8205.0 | 3553.12 | -4651.88 | 21.5 | 703.13 | -5.452 | 0.000000 |
| Sakri 132kV | 06/01/2020 06:15:00 | 26 | 21637.5 | 6472.5 | 3031.25 | -3441.25 | 15.9 | 97.81 | -6.089 | 0.000000 |
| Sakri 132kV | 06/01/2020 06:30:00 | 27 | 21637.5 | 6480.0 | 3210.94 | -3269.06 | 15.11 | 11.72 | -7.044 | 0.000000 |
| Sakri 132kV | 06/01/2020 06:45:00 | 28 | 21637.5 | 6472.5 | 3044.53 | -3427.97 | 15.84 | 91.17 | 7.682 | 0.000000 |
| Sakri 132kV | 06/01/2020 07:00:00 | 29 | 21637.5 | 6472.5 | 2872.66 | -3599.84 | 16.64 | 177.11 | -3.859 | 0.000000 |
| Sakri 132kV | 06/01/2020 07:15:00 | 30 | 21637.5 | 6487.5 | 3027.34 | -3460.16 | 15.99 | 107.27 | 4.815 | 1718.032049 |
| Sakri 132kV | 06/01/2020 07:30:00 | 31 | 21637.5 | 6472.5 | 3396.09 | -3076.41 | 14.22 | 0.00 | 4.178 | 0.000000 |
| Sakri 132kV | 06/01/2020 07:45:00 | 32 | 21637.5 | 6480.0 | 2878.13 | -3601.87 | 16.65 | 178.12 | -3.540 | 0.000000 |
| Sakri 132kV | 06/01/2020 08:00:00 | 33 | 21637.5 | 4472.5 | 2342.19 | -2130.31 | 9.85 | 0.00 | -3.859 | 0.000000 |
| Sakri 132kV | 06/01/2020 08:15:00 | 34 | 21637.5 | 4472.5 | 2162.5 | -2310.0 | 10.68 | 0.00 | -5.452 | 0.000000 |
| Sakri 132kV | 06/01/2020 08:30:00 | 35 | 21637.5 | 4487.5 | 2187.5 | -2300.0 | 10.63 | 0.00 | 4.178 | 0.000000 |
| Sakri 132kV | 06/01/2020 08:45:00 | 36 | 21637.5 | 4382.5 | 1953.91 | -2428.59 | 11.22 | 0.00 | -3.859 | 0.000000 |
| Sakri 132kV | 06/01/2020 09:00:00 | 37 | 21637.5 | 4402.5 | 1651.56 | -2750.94 | 12.71 | 0.00 | -6.407 | 0.000000 |
| Sakri 132kV | 06/01/2020 09:15:00 | 38 | 21637.5 | 4422.5 | 1146.87 | -3275.63 | 15.14 | 15.00 | -8.000 | 0.000000 |
| Sakri 132kV | 06/01/2020 09:30:00 | 39 | 21637.5 | 4410.0 | 977.34 | -3432.66 | 15.86 | 93.52 | -5.770 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sakri 132kV | 06/01/2020 09:45:00 | 40 | 21637.5 | 4442.5 | 1017.19 | -3425.31 | 15.83 | 89.84 | 3.222 | 0.000000 |
| Sakri 132kV | 06/01/2020 10:00:00 | 41 | 21637.5 | 4455.0 | 1904.69 | -2550.31 | 11.79 | 0.00 | -2.903 | 0.000000 |
| Sakri 132kV | 06/01/2020 10:15:00 | 42 | 21637.5 | 4472.5 | 3085.94 | -1386.56 | 6.41 | 0.00 | -3.222 | 0.000000 |
| Sakri 132kV | 06/01/2020 10:30:00 | 43 | 21637.5 | 2990.0 | 3766.41 | 776.41 | 3.59 | 0.00 | 4.815 | 0.000000 |
| Sakri 132kV | 06/01/2020 10:45:00 | 44 | 21637.5 | 2927.5 | 3432.03 | 504.53 | 2.33 | 0.00 | 4.496 | 0.000000 |
| Sakri 132kV | 06/01/2020 11:00:00 | 45 | 21637.5 | 2915.0 | 3264.06 | 349.06 | 1.61 | 0.00 | 16.000 | 0.000000 |
| Sakri 132kV | 06/01/2020 11:15:00 | 46 | 21637.5 | 2900.0 | 3150.0 | 250.0 | 1.16 | 0.00 | 5.133 | 0.000000 |
| Sakri 132kV | 06/01/2020 11:30:00 | 47 | 21637.5 | 2885.0 | 2968.75 | 83.75 | 0.39 | 0.00 | 1.182 | 0.000000 |
| Sakri 132kV | 06/01/2020 11:45:00 | 48 | 21637.5 | 2872.5 | 3078.12 | 205.62 | 0.95 | 0.00 | 6.308 | 0.000000 |
| Sakri 132kV | 06/01/2020 12:00:00 | 49 | 21637.5 | 2690.0 | 2326.56 | -363.44 | 1.68 | 0.00 | 6.598 | 0.000000 |
| Sakri 132kV | 06/01/2020 12:15:00 | 50 | 21637.5 | 2677.5 | 1294.53 | -1382.97 | 6.39 | 0.00 | 5.431 | 0.000000 |
| Sakri 132kV | 06/01/2020 12:30:00 | 51 | 21637.5 | 2662.5 | 856.25 | -1806.25 | 8.35 | 0.00 | 3.540 | 0.000000 |
| Sakri 132kV | 06/01/2020 12:45:00 | 52 | 21637.5 | 2627.5 | 650.78 | -1976.72 | 9.14 | 0.00 | -2.903 | 0.000000 |
| Sakri 132kV | 06/01/2020 13:00:00 | 53 | 21637.5 | 2597.5 | 433.59 | -2163.91 | 10.0 | 0.00 | -1.161 | 0.000000 |
| Sakri 132kV | 06/01/2020 13:15:00 | 54 | 21637.5 | 2560.0 | 238.28 | -2321.72 | 10.73 | 0.00 | 3.859 | 0.000000 |
| Sakri 132kV | 06/01/2020 13:30:00 | 55 | 21637.5 | 2990.0 | 64.84 | -2925.16 | 13.52 | 0.00 | -6.407 | 0.000000 |
| Sakri 132kV | 06/01/2020 13:45:00 | 56 | 21637.5 | 2927.5 | 36.72 | -2890.78 | 13.36 | 0.00 | 5.452 | 0.000000 |
| Sakri 132kV | 06/01/2020 14:00:00 | 57 | 21637.5 | 2915.0 | 50.0 | -2865.0 | 13.24 | 0.00 | 5.452 | 0.000000 |
| Sakri 132kV | 06/01/2020 14:15:00 | 58 | 21637.5 | 2900.0 | 12.5 | -2887.5 | 13.34 | 0.00 | 16.000 | 0.000000 |
| Sakri 132kV | 06/01/2020 14:30:00 | 59 | 21637.5 | 2885.0 | 0.0 | -2885.0 | 13.33 | 0.00 | 6.035 | 0.000000 |
| Sakri 132kV | 06/01/2020 14:45:00 | 60 | 21637.5 | 2872.5 | 0.0 | -2872.5 | 13.28 | 0.00 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sakri 132kV | 06/01/2020 15:00:00 | 61 | 21637.5 | 2690.0 | 0.0 | -2690.0 | 12.43 | 0.00 | 3.367 | 0.000000 |
| Sakri 132kV | 06/01/2020 15:15:00 | 62 | 21637.5 | 2677.5 | 2.34 | -2675.16 | 12.36 | 0.00 | 3.904 | 0.000000 |
| Sakri 132kV | 06/01/2020 15:30:00 | 63 | 21637.5 | 2662.5 | 0.0 | -2662.5 | 12.31 | 0.00 | 4.482 | 0.000000 |
| Sakri 132kV | 06/01/2020 15:45:00 | 64 | 21637.5 | 2627.5 | 0.0 | -2627.5 | 12.14 | 0.00 | 4.225 | 0.000000 |
| Sakri 132kV | 06/01/2020 16:00:00 | 65 | 21637.5 | 2597.5 | 0.78 | -2596.72 | 12.0 | 0.00 | 2.895 | 0.000000 |
| Sakri 132kV | 06/01/2020 16:15:00 | 66 | 21637.5 | 2560.0 | 0.0 | -2560.0 | 11.83 | 0.00 | 6.089 | 0.000000 |
| Sakri 132kV | 06/01/2020 16:30:00 | 67 | 21637.5 | 2990.0 | 171.09 | -2818.91 | 13.03 | 0.00 | -8.000 | 0.000000 |
| Sakri 132kV | 06/01/2020 16:45:00 | 68 | 21637.5 | 2927.5 | 1021.88 | -1905.62 | 8.81 | 0.00 | -4.178 | 0.000000 |
| Sakri 132kV | 06/01/2020 17:00:00 | 69 | 21637.5 | 2915.0 | 1042.19 | -1872.81 | 8.66 | 0.00 | 1.742 | 0.000000 |
| Sakri 132kV | 06/01/2020 17:15:00 | 70 | 21637.5 | 2900.0 | 943.75 | -1956.25 | 9.04 | 0.00 | 2.903 | 0.000000 |
| Sakri 132kV | 06/01/2020 17:30:00 | 71 | 21637.5 | 2885.0 | 821.09 | -2063.91 | 9.54 | 0.00 | -4.178 | 0.000000 |
| Sakri 132kV | 06/01/2020 17:45:00 | 72 | 21637.5 | 2872.5 | 1007.81 | -1864.69 | 8.62 | 0.00 | -2.323 | 0.000000 |
| Sakri 132kV | 06/01/2020 18:00:00 | 73 | 21637.5 | 2690.0 | 1109.38 | -1580.62 | 7.31 | 0.00 | -2.903 | 0.000000 |
| Sakri 132kV | 06/01/2020 18:15:00 | 74 | 21637.5 | 2677.5 | 405.47 | -2272.03 | 10.5 | 0.00 | 1.161 | 590.862985 |
| Sakri 132kV | 06/01/2020 18:30:00 | 75 | 21637.5 | 2662.5 | 233.59 | -2428.91 | 11.23 | 0.00 | 2.903 | 2068.784323 |
| Sakri 132kV | 06/01/2020 18:45:00 | 76 | 21637.5 | 2627.5 | 156.25 | -2471.25 | 11.42 | 0.00 | 2.903 | 49.828360 |
| Sakri 132kV | 06/01/2020 19:00:00 | 77 | 21637.5 | 2597.5 | 153.91 | -2443.59 | 11.29 | 0.00 | -1.161 | 0.000000 |
| Sakri 132kV | 06/01/2020 19:15:00 | 78 | 21637.5 | 2560.0 | 117.97 | -2442.03 | 11.29 | 0.00 | -4.178 | 0.000000 |
| Sakri 132kV | 06/01/2020 19:30:00 | 79 | 21637.5 | 2990.0 | 57.81 | -2932.19 | 13.55 | 0.00 | -2.323 | 0.000000 |
| Sakri 132kV | 06/01/2020 19:45:00 | 80 | 21637.5 | 2927.5 | 115.63 | -2811.87 | 13.0 | 0.00 | -4.178 | 0.000000 |
| Sakri 132kV | 06/01/2020 20:00:00 | 81 | 21637.5 | 2915.0 | 98.44 | -2816.56 | 13.02 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sakri 132kV | 06/01/2020 20:15:00 | 82 | 21637.5 | 2900.0 | 139.84 | -2760.16 | 12.76 | 0.00 | -5.770 | 0.000000 |
| Sakri 132kV | 06/01/2020 20:30:00 | 83 | 21637.5 | 2885.0 | 121.88 | -2763.12 | 12.77 | 0.00 | 5.770 | 376.483872 |
| Sakri 132kV | 06/01/2020 20:45:00 | 84 | 21637.5 | 2872.5 | 76.56 | -2795.94 | 12.92 | 0.00 | 4.178 | 1156.270326 |
| Sakri 132kV | 06/01/2020 21:00:00 | 85 | 21637.5 | 2690.0 | 69.53 | -2620.47 | 12.11 | 0.00 | 3.222 | 573.299723 |
| Sakri 132kV | 06/01/2020 21:15:00 | 86 | 21637.5 | 2677.5 | 89.84 | -2587.66 | 11.96 | 0.00 | -1.742 | 0.000000 |
| Sakri 132kV | 06/01/2020 21:30:00 | 87 | 21637.5 | 2662.5 | 166.41 | -2496.09 | 11.54 | 0.00 | 0.000 | 0.000000 |
| Sakri 132kV | 06/01/2020 21:45:00 | 88 | 21637.5 | 2627.5 | 157.03 | -2470.47 | 11.42 | 0.00 | 1.161 | 0.000000 |
| Sakri 132kV | 06/01/2020 22:00:00 | 89 | 21637.5 | 2597.5 | 214.06 | -2383.44 | 11.02 | 0.00 | 4.815 | 1395.568680 |
| Sakri 132kV | 06/01/2020 22:15:00 | 90 | 21637.5 | 2560.0 | 175.78 | -2384.22 | 11.02 | 0.00 | 3.859 | 1440.309803 |
| Sakri 132kV | 06/01/2020 22:30:00 | 91 | 21637.5 | 2645.0 | 142.97 | -2502.03 | 11.56 | 0.00 | 1.742 | 0.000000 |
| Sakri 132kV | 06/01/2020 22:45:00 | 92 | 21637.5 | 2692.5 | 238.28 | -2454.22 | 11.34 | 0.00 | -2.323 | 0.000000 |
| Sakri 132kV | 06/01/2020 23:00:00 | 93 | 21637.5 | 2720.0 | 280.47 | -2439.53 | 11.27 | 0.00 | -2.903 | 0.000000 |
| Sakri 132kV | 06/01/2020 23:15:00 | 94 | 21637.5 | 2715.0 | 251.56 | -2463.44 | 11.39 | 0.00 | 2.323 | 0.000000 |
| Sakri 132kV | 06/01/2020 23:30:00 | 95 | 21637.5 | 2710.0 | 440.62 | -2269.38 | 10.49 | 0.00 | -3.222 | 0.000000 |
| Sakri 132kV | 06/01/2020 23:45:00 | 96 | 21637.5 | 2800.0 | 564.06 | -2235.94 | 10.33 | 0.00 | 2.323 | 0.000000 |
| Sakri 132kV | 07/01/2020 00:00:00 | 1 | 21637.5 | 5362.5 | 414.06 | -4948.44 | 22.87 | 851.41 | -0.549 | 0.000000 |
| Sakri 132kV | 07/01/2020 00:15:00 | 2 | 21637.5 | 2872.5 | 506.25 | -2366.25 | 10.94 | 0.00 | -1.647 | 0.000000 |
| Sakri 132kV | 07/01/2020 00:30:00 | 3 | 21637.5 | 2882.5 | 657.03 | -2225.47 | 10.29 | 0.00 | -3.073 | 0.000000 |
| Sakri 132kV | 07/01/2020 00:45:00 | 4 | 21637.5 | 2885.0 | 510.94 | -2374.06 | 10.97 | 0.00 | -2.744 | 0.000000 |
| Sakri 132kV | 07/01/2020 01:00:00 | 5 | 21637.5 | 2870.0 | 408.59 | -2461.41 | 11.38 | 0.00 | -4.058 | 0.000000 |
| Sakri 132kV | 07/01/2020 01:15:00 | 6 | 21637.5 | 2837.5 | 245.31 | -2592.19 | 11.98 | 0.00 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sakri 132kV | 07/01/2020 01:30:00 | 7 | 21637.5 | 2815.0 | 287.5 | -2527.5 | 11.68 | 0.00 | -3.401 | 0.000000 |
| Sakri 132kV | 07/01/2020 01:45:00 | 8 | 21637.5 | 2802.5 | 480.47 | -2322.03 | 10.73 | 0.00 | 3.730 | 0.000000 |
| Sakri 132kV | 07/01/2020 02:00:00 | 9 | 21637.5 | 2815.0 | 725.0 | -2090.0 | 9.66 | 0.00 | 3.073 | 455.008563 |
| Sakri 132kV | 07/01/2020 02:15:00 | 10 | 21637.5 | 2812.5 | 803.91 | -2008.59 | 9.28 | 0.00 | 3.073 | 195.535591 |
| Sakri 132kV | 07/01/2020 02:30:00 | 11 | 21637.5 | 2880.0 | 875.78 | -2004.22 | 9.26 | 0.00 | 3.401 | 272.898729 |
| Sakri 132kV | 07/01/2020 02:45:00 | 12 | 21637.5 | 2872.5 | 830.47 | -2042.03 | 9.44 | 0.00 | 2.745 | 277.320622 |
| Sakri 132kV | 07/01/2020 03:00:00 | 13 | 21637.5 | 2882.5 | 589.06 | -2293.44 | 10.6 | 0.00 | 1.647 | 0.000000 |
| Sakri 132kV | 07/01/2020 03:15:00 | 14 | 21637.5 | 2885.0 | 323.44 | -2561.56 | 11.84 | 0.00 | 2.196 | 164.330944 |
| Sakri 132kV | 07/01/2020 03:30:00 | 15 | 21637.5 | 2870.0 | 300.0 | -2570.0 | 11.88 | 0.00 | 1.647 | 219.351227 |
| Sakri 132kV | 07/01/2020 03:45:00 | 16 | 21637.5 | 2837.5 | 341.41 | -2496.09 | 11.54 | 0.00 | 1.098 | 0.000000 |
| Sakri 132kV | 07/01/2020 04:00:00 | 17 | 21637.5 | 2815.0 | 367.19 | -2447.81 | 11.31 | 0.00 | 1.647 | 896.387822 |
| Sakri 132kV | 07/01/2020 04:15:00 | 18 | 21637.5 | 2802.5 | 280.47 | -2522.03 | 11.66 | 0.00 | 2.210 | 1805.667861 |
| Sakri 132kV | 07/01/2020 04:30:00 | 19 | 21637.5 | 2880.0 | 252.34 | -2627.66 | 12.14 | 0.00 | 3.730 | 2656.542635 |
| Sakri 132kV | 07/01/2020 04:45:00 | 20 | 21637.5 | 2872.5 | 335.16 | -2537.34 | 11.73 | 0.00 | -1.098 | 0.000000 |
| Sakri 132kV | 07/01/2020 05:00:00 | 21 | 21637.5 | 2882.5 | 546.09 | -2336.41 | 10.8 | 0.00 | -2.744 | 0.000000 |
| Sakri 132kV | 07/01/2020 05:15:00 | 22 | 21637.5 | 2885.0 | 596.09 | -2288.91 | 10.58 | 0.00 | 3.730 | 1175.855313 |
| Sakri 132kV | 07/01/2020 05:30:00 | 23 | 21637.5 | 2870.0 | 350.78 | -2519.22 | 11.64 | 0.00 | 3.073 | 2907.432351 |
| Sakri 132kV | 07/01/2020 05:45:00 | 24 | 21637.5 | 2837.5 | 290.62 | -2546.88 | 11.77 | 0.00 | 3.730 | 2283.430813 |
| Sakri 132kV | 07/01/2020 06:00:00 | 25 | 21637.5 | 2815.0 | 403.91 | -2411.09 | 11.14 | 0.00 | -5.372 | 0.000000 |
| Sakri 132kV | 07/01/2020 06:15:00 | 26 | 21637.5 | 2802.5 | 471.88 | -2330.62 | 10.77 | 0.00 | 4.556 | 7765.853726 |
| Sakri 132kV | 07/01/2020 06:30:00 | 27 | 21637.5 | 2815.0 | 489.06 | -2325.94 | 10.75 | 0.00 | 7.148 | 13418.788001 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sakri 132kV | 07/01/2020 06:45:00 | 28 | 21637.5 | 2812.5 | 284.38 | -2528.12 | 11.68 | 0.00 | 7.821 | 13374.294677 |
| Sakri 132kV | 07/01/2020 07:00:00 | 29 | 21637.5 | 2880.0 | 212.5 | -2667.5 | 12.33 | 0.00 | 5.372 | 7088.741588 |
| Sakri 132kV | 07/01/2020 07:15:00 | 30 | 21637.5 | 2872.5 | 228.12 | -2644.38 | 12.22 | 0.00 | 16.000 | 0.000000 |
| Sakri 132kV | 07/01/2020 07:30:00 | 31 | 21637.5 | 2882.5 | 264.84 | -2617.66 | 12.1 | 0.00 | 9.296 | 0.000000 |
| Sakri 132kV | 07/01/2020 07:45:00 | 32 | 21637.5 | 2885.0 | 389.84 | -2495.16 | 11.53 | 0.00 | 9.794 | 0.000000 |
| Sakri 132kV | 07/01/2020 08:00:00 | 33 | 21637.5 | 2870.0 | 307.81 | -2562.19 | 11.84 | 0.00 | 3.593 | 0.000000 |
| Sakri 132kV | 07/01/2020 08:15:00 | 34 | 21637.5 | 2837.5 | 342.97 | -2494.53 | 11.53 | 0.00 | 3.401 | 0.000000 |
| Sakri 132kV | 07/01/2020 08:30:00 | 35 | 21637.5 | 2815.0 | 468.75 | -2346.25 | 10.84 | 0.00 | 3.245 | 0.000000 |
| Sakri 132kV | 07/01/2020 08:45:00 | 36 | 21637.5 | 2802.5 | 673.44 | -2129.06 | 9.84 | 0.00 | 0.000 | 0.000000 |
| Sakri 132kV | 07/01/2020 09:00:00 | 37 | 21637.5 | 2880.0 | 913.28 | -1966.72 | 9.09 | 0.00 | 2.745 | 0.000000 |
| Sakri 132kV | 07/01/2020 09:15:00 | 38 | 21637.5 | 2872.5 | 854.69 | -2017.81 | 9.33 | 0.00 | 4.715 | 0.000000 |
| Sakri 132kV | 07/01/2020 09:30:00 | 39 | 21637.5 | 2882.5 | 509.38 | -2373.12 | 10.97 | 0.00 | 3.981 | 0.000000 |
| Sakri 132kV | 07/01/2020 09:45:00 | 40 | 21637.5 | 2885.0 | 503.91 | -2381.09 | 11.0 | 0.00 | 3.730 | 0.000000 |
| Sakri 132kV | 07/01/2020 10:00:00 | 41 | 21637.5 | 2870.0 | 706.25 | -2163.75 | 10.0 | 0.00 | 1.780 | 0.000000 |
| Sakri 132kV | 07/01/2020 10:15:00 | 42 | 21637.5 | 2837.5 | 1250.0 | -1587.5 | 7.34 | 0.00 | 5.643 | 0.000000 |
| Sakri 132kV | 07/01/2020 10:30:00 | 43 | 21637.5 | 2815.0 | 1289.06 | -1525.94 | 7.05 | 0.00 | 4.976 | 0.000000 |
| Sakri 132kV | 07/01/2020 10:45:00 | 44 | 21637.5 | 2802.5 | 1207.03 | -1595.47 | 7.37 | 0.00 | 4.415 | 0.000000 |
| Sakri 132kV | 07/01/2020 11:00:00 | 45 | 21637.5 | 2815.0 | 1064.84 | -1750.16 | 8.09 | 0.00 | 4.476 | 0.000000 |
| Sakri 132kV | 07/01/2020 11:15:00 | 46 | 21637.5 | 2812.5 | 820.31 | -1992.19 | 9.21 | 0.00 | 4.826 | 0.000000 |
| Sakri 132kV | 07/01/2020 11:30:00 | 47 | 21637.5 | 2880.0 | 702.34 | -2177.66 | 10.06 | 0.00 | 2.289 | 0.000000 |
| Sakri 132kV | 07/01/2020 11:45:00 | 48 | 21637.5 | 2872.5 | 994.53 | -1877.97 | 8.68 | 0.00 | -0.549 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sakri 132kV | 07/01/2020 12:00:00 | 49 | 21637.5 | 2882.5 | 1090.63 | -1791.87 | 8.28 | 0.00 | 4.727 | 0.000000 |
| Sakri 132kV | 07/01/2020 12:15:00 | 50 | 21637.5 | 2885.0 | 842.19 | -2042.81 | 9.44 | 0.00 | 4.777 | 0.000000 |
| Sakri 132kV | 07/01/2020 12:30:00 | 51 | 21637.5 | 2870.0 | 413.28 | -2456.72 | 11.35 | 0.00 | 4.798 | 0.000000 |
| Sakri 132kV | 07/01/2020 12:45:00 | 52 | 21637.5 | 2837.5 | 235.16 | -2602.34 | 12.03 | 0.00 | -3.401 | 0.000000 |
| Sakri 132kV | 07/01/2020 13:00:00 | 53 | 21637.5 | 2815.0 | 150.78 | -2664.22 | 12.31 | 0.00 | -2.431 | 0.000000 |
| Sakri 132kV | 07/01/2020 13:15:00 | 54 | 21637.5 | 2802.5 | 138.28 | -2664.22 | 12.31 | 0.00 | -4.387 | 0.000000 |
| Sakri 132kV | 07/01/2020 13:30:00 | 55 | 21637.5 | 2990.0 | 55.47 | -2934.53 | 13.56 | 0.00 | -3.401 | 0.000000 |
| Sakri 132kV | 07/01/2020 13:45:00 | 56 | 21637.5 | 2927.5 | 71.88 | -2855.62 | 13.2 | 0.00 | -5.044 | 0.000000 |
| Sakri 132kV | 07/01/2020 14:00:00 | 57 | 21637.5 | 2915.0 | 48.44 | -2866.56 | 13.25 | 0.00 | 4.215 | 0.000000 |
| Sakri 132kV | 07/01/2020 14:15:00 | 58 | 21637.5 | 2900.0 | 13.28 | -2886.72 | 13.34 | 0.00 | 9.552 | 0.000000 |
| Sakri 132kV | 07/01/2020 14:30:00 | 59 | 21637.5 | 2885.0 | 14.84 | -2870.16 | 13.26 | 0.00 | 6.358 | 0.000000 |
| Sakri 132kV | 07/01/2020 14:45:00 | 60 | 21637.5 | 2872.5 | 3.91 | -2868.59 | 13.26 | 0.00 | 2.744 | 0.000000 |
| Sakri 132kV | 07/01/2020 15:00:00 | 61 | 21637.5 | 2690.0 | 6.25 | -2683.75 | 12.4 | 0.00 | -3.073 | 0.000000 |
| Sakri 132kV | 07/01/2020 15:15:00 | 62 | 21637.5 | 2677.5 | 44.53 | -2632.97 | 12.17 | 0.00 | -4.058 | 0.000000 |
| Sakri 132kV | 07/01/2020 15:30:00 | 63 | 21637.5 | 2662.5 | 64.06 | -2598.44 | 12.01 | 0.00 | -4.831 | 0.000000 |
| Sakri 132kV | 07/01/2020 15:45:00 | 64 | 21637.5 | 2627.5 | 75.78 | -2551.72 | 11.79 | 0.00 | -5.372 | 0.000000 |
| Sakri 132kV | 07/01/2020 16:00:00 | 65 | 21637.5 | 2597.5 | 221.88 | -2375.62 | 10.98 | 0.00 | 2.196 | 0.000000 |
| Sakri 132kV | 07/01/2020 16:15:00 | 66 | 21637.5 | 2560.0 | 390.62 | -2169.38 | 10.03 | 0.00 | -3.401 | 0.000000 |
| Sakri 132kV | 07/01/2020 16:30:00 | 67 | 21637.5 | 2990.0 | 338.28 | -2651.72 | 12.26 | 0.00 | 4.738 | 0.000000 |
| Sakri 132kV | 07/01/2020 16:45:00 | 68 | 21637.5 | 2927.5 | 403.12 | -2524.38 | 11.67 | 0.00 | 7.343 | 0.000000 |
| Sakri 132kV | 07/01/2020 17:00:00 | 69 | 21637.5 | 2915.0 | 303.91 | -2611.09 | 12.07 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sakri 132kV | 07/01/2020 17:15:00 | 70 | 21637.5 | 2900.0 | 82.03 | -2817.97 | 13.02 | 0.00 | 2.744 | 468.758397 |
| Sakri 132kV | 07/01/2020 17:30:00 | 71 | 21637.5 | 2885.0 | 0.78 | -2884.22 | 13.33 | 0.00 | 3.401 | 190.443423 |
| Sakri 132kV | 07/01/2020 17:45:00 | 72 | 21637.5 | 2872.5 | 0.0 | -2872.5 | 13.28 | 0.00 | -2.745 | 0.000000 |
| Sakri 132kV | 07/01/2020 18:00:00 | 73 | 21637.5 | 2885.0 | 0.0 | -2885.0 | 13.33 | 0.00 | -3.073 | 0.000000 |
| Sakri 132kV | 07/01/2020 18:15:00 | 74 | 21637.5 | 2912.5 | 0.0 | -2912.5 | 13.46 | 0.00 | -5.372 | 0.000000 |
| Sakri 132kV | 07/01/2020 18:30:00 | 75 | 21637.5 | 2920.0 | 0.0 | -2920.0 | 13.5 | 0.00 | 3.401 | 0.000000 |
| Sakri 132kV | 07/01/2020 18:45:00 | 76 | 21637.5 | 2930.0 | 0.0 | -2930.0 | 13.54 | 0.00 | -3.401 | 0.000000 |
| Sakri 132kV | 07/01/2020 19:00:00 | 77 | 21637.5 | 2935.0 | 0.0 | -2935.0 | 13.56 | 0.00 | -3.730 | 0.000000 |
| Sakri 132kV | 07/01/2020 19:15:00 | 78 | 21637.5 | 2945.0 | 0.0 | -2945.0 | 13.61 | 0.00 | -4.715 | 0.000000 |
| Sakri 132kV | 07/01/2020 19:30:00 | 79 | 21637.5 | 2970.0 | 0.0 | -2970.0 | 13.73 | 0.00 | -4.058 | 0.000000 |
| Sakri 132kV | 07/01/2020 19:45:00 | 80 | 21637.5 | 2950.0 | 0.0 | -2950.0 | 13.63 | 0.00 | -2.210 | 0.000000 |
| Sakri 132kV | 07/01/2020 20:00:00 | 81 | 21637.5 | 2915.0 | 0.0 | -2915.0 | 13.47 | 0.00 | -2.348 | 0.000000 |
| Sakri 132kV | 07/01/2020 20:15:00 | 82 | 21637.5 | 2900.0 | 0.0 | -2900.0 | 13.4 | 0.00 | 4.387 | 4525.890856 |
| Sakri 132kV | 07/01/2020 20:30:00 | 83 | 21637.5 | 2885.0 | 0.0 | -2885.0 | 13.33 | 0.00 | 3.816 | 5887.387947 |
| Sakri 132kV | 07/01/2020 20:45:00 | 84 | 21637.5 | 2990.0 | 0.0 | -2990.0 | 13.82 | 0.00 | 3.401 | 1469.094745 |
| Sakri 132kV | 07/01/2020 21:00:00 | 85 | 21637.5 | 2927.5 | 0.0 | -2927.5 | 13.53 | 0.00 | -4.058 | 0.000000 |
| Sakri 132kV | 07/01/2020 21:15:00 | 86 | 21637.5 | 2915.0 | 0.0 | -2915.0 | 13.47 | 0.00 | 1.647 | 1545.052318 |
| Sakri 132kV | 07/01/2020 21:30:00 | 87 | 21637.5 | 2900.0 | 7.03 | -2892.97 | 13.37 | 0.00 | 2.196 | 922.521883 |
| Sakri 132kV | 07/01/2020 21:45:00 | 88 | 21637.5 | 2885.0 | 7.81 | -2877.19 | 13.3 | 0.00 | -2.196 | 0.000000 |
| Sakri 132kV | 07/01/2020 22:00:00 | 89 | 21637.5 | 2872.5 | 231.25 | -2641.25 | 12.21 | 0.00 | -3.257 | 0.000000 |
| Sakri 132kV | 07/01/2020 22:15:00 | 90 | 21637.5 | 2885.0 | 495.31 | -2389.69 | 11.04 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sakri 132kV | 07/01/2020 22:30:00 | 91 | 21637.5 | 2912.5 | 511.72 | -2400.78 | 11.1 | 0.00 | -1.098 | 0.000000 |
| Sakri 132kV | 07/01/2020 22:45:00 | 92 | 21637.5 | 2920.0 | 342.19 | -2577.81 | 11.91 | 0.00 | -1.647 | 0.000000 |
| Sakri 132kV | 07/01/2020 23:00:00 | 93 | 21637.5 | 2930.0 | 199.22 | -2730.78 | 12.62 | 0.00 | -3.401 | 0.000000 |
| Sakri 132kV | 07/01/2020 23:15:00 | 94 | 21637.5 | 2935.0 | 250.78 | -2684.22 | 12.41 | 0.00 | 1.647 | 0.000000 |
| Sakri 132kV | 07/01/2020 23:30:00 | 95 | 21637.5 | 2945.0 | 429.69 | -2515.31 | 11.62 | 0.00 | -2.196 | 0.000000 |
| Sakri 132kV | 07/01/2020 23:45:00 | 96 | 21637.5 | 2970.0 | 579.69 | -2390.31 | 11.05 | 0.00 | -0.549 | 0.000000 |
| Sakri 132kV | 08/01/2020 00:00:00 | 1 | 21637.5 | 2837.5 | 598.44 | -2239.06 | 10.35 | 0.00 | -2.220 | 0.000000 |
| Sakri 132kV | 08/01/2020 00:15:00 | 2 | 21637.5 | 2872.5 | 173.44 | -2699.06 | 12.47 | 0.00 | -3.101 | 0.000000 |
| Sakri 132kV | 08/01/2020 00:30:00 | 3 | 21637.5 | 2882.5 | 82.81 | -2799.69 | 12.94 | 0.00 | -3.101 | 0.000000 |
| Sakri 132kV | 08/01/2020 00:45:00 | 4 | 21637.5 | 2885.0 | 128.91 | -2756.09 | 12.74 | 0.00 | -2.424 | 0.000000 |
| Sakri 132kV | 08/01/2020 01:00:00 | 5 | 21637.5 | 2870.0 | 110.94 | -2759.06 | 12.75 | 0.00 | -2.170 | 0.000000 |
| Sakri 132kV | 08/01/2020 01:15:00 | 6 | 21637.5 | 2837.5 | 237.5 | -2600.0 | 12.02 | 0.00 | -1.761 | 0.000000 |
| Sakri 132kV | 08/01/2020 01:30:00 | 7 | 21637.5 | 2815.0 | 315.62 | -2499.38 | 11.55 | 0.00 | -1.665 | 0.000000 |
| Sakri 132kV | 08/01/2020 01:45:00 | 8 | 21637.5 | 2802.5 | 355.47 | -2447.03 | 11.31 | 0.00 | -1.665 | 0.000000 |
| Sakri 132kV | 08/01/2020 02:00:00 | 9 | 21637.5 | 2815.0 | 619.53 | -2195.47 | 10.15 | 0.00 | -1.110 | 0.000000 |
| Sakri 132kV | 08/01/2020 02:15:00 | 10 | 21637.5 | 2812.5 | 960.16 | -1852.34 | 8.56 | 0.00 | -1.347 | 0.000000 |
| Sakri 132kV | 08/01/2020 02:30:00 | 11 | 21637.5 | 2880.0 | 1199.22 | -1680.78 | 7.77 | 0.00 | -3.101 | 0.000000 |
| Sakri 132kV | 08/01/2020 02:45:00 | 12 | 21637.5 | 2872.5 | 1566.41 | -1306.09 | 6.04 | 0.00 | -2.220 | 0.000000 |
| Sakri 132kV | 08/01/2020 03:00:00 | 13 | 21637.5 | 2882.5 | 1347.66 | -1534.84 | 7.09 | 0.00 | -3.428 | 0.000000 |
| Sakri 132kV | 08/01/2020 03:15:00 | 14 | 21637.5 | 2885.0 | 1125.78 | -1759.22 | 8.13 | 0.00 | -2.220 | 0.000000 |
| Sakri 132kV | 08/01/2020 03:30:00 | 15 | 21637.5 | 2870.0 | 893.75 | -1976.25 | 9.13 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sakri 132kV | 08/01/2020 03:45:00 | 16 | 21637.5 | 2837.5 | 622.66 | -2214.84 | 10.24 | 0.00 | -2.775 | 0.000000 |
| Sakri 132kV | 08/01/2020 04:00:00 | 17 | 21637.5 | 2815.0 | 502.34 | -2312.66 | 10.69 | 0.00 | -3.101 | 0.000000 |
| Sakri 132kV | 08/01/2020 04:15:00 | 18 | 21637.5 | 2802.5 | 493.75 | -2308.75 | 10.67 | 0.00 | -1.665 | 0.000000 |
| Sakri 132kV | 08/01/2020 04:30:00 | 19 | 21637.5 | 2880.0 | 190.62 | -2689.38 | 12.43 | 0.00 | -2.220 | 0.000000 |
| Sakri 132kV | 08/01/2020 04:45:00 | 20 | 21637.5 | 2872.5 | 143.75 | -2728.75 | 12.61 | 0.00 | -2.775 | 0.000000 |
| Sakri 132kV | 08/01/2020 05:00:00 | 21 | 21637.5 | 2882.5 | 244.53 | -2637.97 | 12.19 | 0.00 | -1.110 | 0.000000 |
| Sakri 132kV | 08/01/2020 05:15:00 | 22 | 21637.5 | 2885.0 | 373.44 | -2511.56 | 11.61 | 0.00 | 2.775 | 121.027193 |
| Sakri 132kV | 08/01/2020 05:30:00 | 23 | 21637.5 | 2870.0 | 250.78 | -2619.22 | 12.11 | 0.00 | -3.428 | 0.000000 |
| Sakri 132kV | 08/01/2020 05:45:00 | 24 | 21637.5 | 2837.5 | 254.69 | -2582.81 | 11.94 | 0.00 | -2.775 | 0.000000 |
| Sakri 132kV | 08/01/2020 06:00:00 | 25 | 21637.5 | 2815.0 | 281.25 | -2533.75 | 11.71 | 0.00 | -2.220 | 0.000000 |
| Sakri 132kV | 08/01/2020 06:15:00 | 26 | 21637.5 | 2802.5 | 200.78 | -2601.72 | 12.02 | 0.00 | 2.220 | 532.688984 |
| Sakri 132kV | 08/01/2020 06:30:00 | 27 | 21637.5 | 2815.0 | 119.53 | -2695.47 | 12.46 | 0.00 | 5.387 | 4851.744394 |
| Sakri 132kV | 08/01/2020 06:45:00 | 28 | 21637.5 | 2812.5 | 134.38 | -2678.12 | 12.38 | 0.00 | -4.734 | 0.000000 |
| Sakri 132kV | 08/01/2020 07:00:00 | 29 | 21637.5 | 2880.0 | 133.59 | -2746.41 | 12.69 | 0.00 | -4.407 | 0.000000 |
| Sakri 132kV | 08/01/2020 07:15:00 | 30 | 21637.5 | 2872.5 | 149.22 | -2723.28 | 12.59 | 0.00 | 5.061 | 4800.008636 |
| Sakri 132kV | 08/01/2020 07:30:00 | 31 | 21637.5 | 2882.5 | 117.19 | -2765.31 | 12.78 | 0.00 | 5.714 | 4663.695959 |
| Sakri 132kV | 08/01/2020 07:45:00 | 32 | 21637.5 | 2885.0 | 100.0 | -2785.0 | 12.87 | 0.00 | 5.061 | 1846.550817 |
| Sakri 132kV | 08/01/2020 08:00:00 | 33 | 21637.5 | 2870.0 | 105.47 | -2764.53 | 12.78 | 0.00 | 2.775 | 0.000000 |
| Sakri 132kV | 08/01/2020 08:15:00 | 34 | 21637.5 | 2837.5 | 13.28 | -2824.22 | 13.05 | 0.00 | 2.775 | 0.000000 |
| Sakri 132kV | 08/01/2020 08:30:00 | 35 | 21637.5 | 2815.0 | 20.31 | -2794.69 | 12.92 | 0.00 | 5.387 | 0.000000 |
| Sakri 132kV | 08/01/2020 08:45:00 | 36 | 21637.5 | 2802.5 | 92.19 | -2710.31 | 12.53 | 0.00 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sakri 132kV | 08/01/2020 09:00:00 | 37 | 21637.5 | 2880.0 | 89.06 | -2790.94 | 12.9 | 0.00 | 7.673 | 0.000000 |
| Sakri 132kV | 08/01/2020 09:15:00 | 38 | 21637.5 | 2872.5 | 53.12 | -2819.38 | 13.03 | 0.00 | 7.673 | 0.000000 |
| Sakri 132kV | 08/01/2020 09:30:00 | 39 | 21637.5 | 2882.5 | 229.69 | -2652.81 | 12.26 | 0.00 | 3.101 | 0.000000 |
| Sakri 132kV | 08/01/2020 09:45:00 | 40 | 21637.5 | 2885.0 | 475.78 | -2409.22 | 11.13 | 0.00 | -3.101 | 0.000000 |
| Sakri 132kV | 08/01/2020 10:00:00 | 41 | 21637.5 | 2870.0 | 717.19 | -2152.81 | 9.95 | 0.00 | -3.101 | 0.000000 |
| Sakri 132kV | 08/01/2020 10:15:00 | 42 | 21637.5 | 2837.5 | 1213.28 | -1624.22 | 7.51 | 0.00 | -3.101 | 0.000000 |
| Sakri 132kV | 08/01/2020 10:30:00 | 43 | 21637.5 | 2815.0 | 2301.56 | -513.44 | 2.37 | 0.00 | -1.665 | 0.000000 |
| Sakri 132kV | 08/01/2020 10:45:00 | 44 | 21637.5 | 2802.5 | 3225.0 | 422.5 | 1.95 | 0.00 | 0.000 | 0.000000 |
| Sakri 132kV | 08/01/2020 11:00:00 | 45 | 21637.5 | 2815.0 | 3589.06 | 774.06 | 3.58 | 0.00 | -1.486 | -264.152901 |
| Sakri 132kV | 08/01/2020 11:15:00 | 46 | 21637.5 | 2812.5 | 3544.53 | 732.03 | 3.38 | 0.00 | -1.305 | -335.157151 |
| Sakri 132kV | 08/01/2020 11:30:00 | 47 | 21637.5 | 2880.0 | 3524.22 | 644.22 | 2.98 | 0.00 | -2.425 | -259.442292 |
| Sakri 132kV | 08/01/2020 11:45:00 | 48 | 21637.5 | 2872.5 | 4027.34 | 1154.84 | 5.34 | 0.00 | -2.775 | -418.031093 |
| Sakri 132kV | 08/01/2020 12:00:00 | 49 | 21637.5 | 2882.5 | 4292.19 | 1409.69 | 6.52 | 0.00 | -2.083 | -904.480518 |
| Sakri 132kV | 08/01/2020 12:15:00 | 50 | 21637.5 | 2885.0 | 4410.94 | 1525.94 | 7.05 | 0.00 | -3.242 | -619.765816 |
| Sakri 132kV | 08/01/2020 12:30:00 | 51 | 21637.5 | 2870.0 | 5266.41 | 2396.41 | 11.08 | 0.00 | -1.330 | -509.811772 |
| Sakri 132kV | 08/01/2020 12:45:00 | 52 | 21637.5 | 2837.5 | 4518.75 | 1681.25 | 7.77 | 0.00 | -0.830 | -319.734204 |
| Sakri 132kV | 08/01/2020 13:00:00 | 53 | 21637.5 | 2815.0 | 4252.34 | 1437.34 | 6.64 | 0.00 | 2.775 | 0.000000 |
| Sakri 132kV | 08/01/2020 13:15:00 | 54 | 21637.5 | 2802.5 | 4499.22 | 1696.72 | 7.84 | 0.00 | 0.000 | 0.000000 |
| Sakri 132kV | 08/01/2020 13:30:00 | 55 | 21637.5 | 4302.5 | 4666.41 | 363.91 | 1.68 | 0.00 | -1.012 | -31.776903 |
| Sakri 132kV | 08/01/2020 13:45:00 | 56 | 21637.5 | 4030.0 | 5158.59 | 1128.59 | 5.22 | 0.00 | -1.087 | -113.808672 |
| Sakri 132kV | 08/01/2020 14:00:00 | 57 | 21637.5 | 3802.5 | 4889.06 | 1086.56 | 5.02 | 0.00 | -3.101 | -318.281335 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sakri 132kV | 08/01/2020 14:15:00 | 58 | 21637.5 | 3810.0 | 5142.19 | 1332.19 | 6.16 | 0.00 | -4.081 | -282.064356 |
| Sakri 132kV | 08/01/2020 14:30:00 | 59 | 21637.5 | 3552.5 | 4959.38 | 1406.88 | 6.5 | 0.00 | -2.996 | -569.179905 |
| Sakri 132kV | 08/01/2020 14:45:00 | 60 | 21637.5 | 3560.0 | 5469.53 | 1909.53 | 8.83 | 0.00 | -3.101 | -289.757275 |
| Sakri 132kV | 08/01/2020 15:00:00 | 61 | 21637.5 | 4527.5 | 5414.84 | 887.34 | 4.1 | 0.00 | -1.879 | -222.914899 |
| Sakri 132kV | 08/01/2020 15:15:00 | 62 | 21637.5 | 4427.5 | 5847.66 | 1420.16 | 6.56 | 0.00 | -4.081 | -49.956209 |
| Sakri 132kV | 08/01/2020 15:30:00 | 63 | 21637.5 | 4157.5 | 5781.25 | 1623.75 | 7.5 | 0.00 | 4.938 | 0.000000 |
| Sakri 132kV | 08/01/2020 15:45:00 | 64 | 21637.5 | 3920.0 | 5750.78 | 1830.78 | 8.46 | 0.00 | 4.719 | 0.000000 |
| Sakri 132kV | 08/01/2020 16:00:00 | 65 | 21637.5 | 3837.5 | 6200.78 | 2363.28 | 10.92 | 0.00 | 0.555 | 0.000000 |
| Sakri 132kV | 08/01/2020 16:15:00 | 66 | 21637.5 | 3717.5 | 6825.78 | 3108.28 | 14.37 | 0.00 | -4.081 | -1450.916590 |
| Sakri 132kV | 08/01/2020 16:30:00 | 67 | 21637.5 | 7552.5 | 5896.88 | -1655.62 | 7.65 | 0.00 | -3.754 | 0.000000 |
| Sakri 132kV | 08/01/2020 16:45:00 | 68 | 21637.5 | 7555.0 | 5640.62 | -1914.38 | 8.85 | 0.00 | -8.000 | 0.000000 |
| Sakri 132kV | 08/01/2020 17:00:00 | 69 | 21637.5 | 7557.5 | 5107.81 | -2449.69 | 11.32 | 0.00 | 0.000 | 0.000000 |
| Sakri 132kV | 08/01/2020 17:15:00 | 70 | 21637.5 | 7695.0 | 3672.66 | -4022.34 | 18.59 | 388.36 | 4.081 | 771.586915 |
| Sakri 132kV | 08/01/2020 17:30:00 | 71 | 21637.5 | 7717.5 | 3181.25 | -4536.25 | 20.96 | 645.31 | -5.387 | 0.000000 |
| Sakri 132kV | 08/01/2020 17:45:00 | 72 | 21637.5 | 7807.5 | 3037.5 | -4770.0 | 22.05 | 762.19 | -3.101 | 0.000000 |
| Sakri 132kV | 08/01/2020 18:00:00 | 73 | 21637.5 | 7557.5 | 2835.94 | -4721.56 | 21.82 | 737.97 | -2.775 | 0.000000 |
| Sakri 132kV | 08/01/2020 18:15:00 | 74 | 21637.5 | 7552.5 | 2354.69 | -5197.81 | 24.02 | 976.09 | -3.101 | 0.000000 |
| Sakri 132kV | 08/01/2020 18:30:00 | 75 | 21637.5 | 7555.0 | 2239.06 | -5315.94 | 24.57 | 1035.16 | -2.220 | 0.000000 |
| Sakri 132kV | 08/01/2020 18:45:00 | 76 | 21637.5 | 7557.5 | 2421.09 | -5136.41 | 23.74 | 945.39 | 2.220 | 4048.901223 |
| Sakri 132kV | 08/01/2020 19:00:00 | 77 | 21637.5 | 7695.0 | 2725.78 | -4969.22 | 22.97 | 861.80 | 1.110 | 0.000000 |
| Sakri 132kV | 08/01/2020 19:15:00 | 78 | 21637.5 | 7717.5 | 2664.84 | -5052.66 | 23.35 | 903.52 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sakri 132kV | 08/01/2020 19:30:00 | 79 | 21637.5 | 3977.5 | 3242.97 | -734.53 | 3.39 | 0.00 | -2.220 | 0.000000 |
| Sakri 132kV | 08/01/2020 19:45:00 | 80 | 21637.5 | 3912.5 | 3374.22 | -538.28 | 2.49 | 0.00 | -0.555 | 0.000000 |
| Sakri 132kV | 08/01/2020 20:00:00 | 81 | 21637.5 | 3812.5 | 3188.28 | -624.22 | 2.88 | 0.00 | 2.775 | 0.000000 |
| Sakri 132kV | 08/01/2020 20:15:00 | 82 | 21637.5 | 3715.0 | 2914.06 | -800.94 | 3.7 | 0.00 | 3.101 | 1339.236876 |
| Sakri 132kV | 08/01/2020 20:30:00 | 83 | 21637.5 | 3557.5 | 3189.85 | -367.65 | 1.7 | 0.00 | 4.408 | 832.804053 |
| Sakri 132kV | 08/01/2020 20:45:00 | 84 | 21637.5 | 3482.5 | 3127.34 | -355.16 | 1.64 | 0.00 | 3.101 | 232.416666 |
| Sakri 132kV | 08/01/2020 21:00:00 | 85 | 21637.5 | 5207.5 | 3164.84 | -2042.66 | 9.44 | 0.00 | 3.101 | 0.000000 |
| Sakri 132kV | 08/01/2020 21:15:00 | 86 | 21637.5 | 4935.0 | 3471.09 | -1463.91 | 6.77 | 0.00 | -0.555 | 0.000000 |
| Sakri 132kV | 08/01/2020 21:30:00 | 87 | 21637.5 | 4895.0 | 3412.5 | -1482.5 | 6.85 | 0.00 | -1.110 | 0.000000 |
| Sakri 132kV | 08/01/2020 21:45:00 | 88 | 21637.5 | 4842.5 | 3729.69 | -1112.81 | 5.14 | 0.00 | -1.110 | 0.000000 |
| Sakri 132kV | 08/01/2020 22:00:00 | 89 | 21637.5 | 4635.0 | 3457.03 | -1177.97 | 5.44 | 0.00 | -2.489 | 0.000000 |
| Sakri 132kV | 08/01/2020 22:15:00 | 90 | 21637.5 | 4580.0 | 3502.34 | -1077.66 | 4.98 | 0.00 | -2.775 | 0.000000 |
| Sakri 132kV | 08/01/2020 22:30:00 | 91 | 21637.5 | 4472.5 | 3725.78 | -746.72 | 3.45 | 0.00 | -2.223 | 0.000000 |
| Sakri 132kV | 08/01/2020 22:45:00 | 92 | 21637.5 | 4412.5 | 3769.53 | -642.97 | 2.97 | 0.00 | 1.110 | 0.000000 |
| Sakri 132kV | 08/01/2020 23:00:00 | 93 | 21637.5 | 4372.5 | 3961.72 | -410.78 | 1.9 | 0.00 | 1.110 | 43.855283 |
| Sakri 132kV | 08/01/2020 23:15:00 | 94 | 21637.5 | 4662.5 | 4153.91 | -508.59 | 2.35 | 0.00 | 1.110 | 0.000000 |
| Sakri 132kV | 08/01/2020 23:30:00 | 95 | 21637.5 | 4597.5 | 3540.62 | -1056.88 | 4.88 | 0.00 | 2.775 | 9.607588 |
| Sakri 132kV | 08/01/2020 23:45:00 | 96 | 21637.5 | 4540.0 | 2760.94 | -1779.06 | 8.22 | 0.00 | 0.000 | 0.000000 |
| Sakri 132kV | 09/01/2020 00:00:00 | 1 | 21637.5 | 2837.5 | 2015.62 | -821.88 | 3.8 | 0.00 | -0.576 | 0.000000 |
| Sakri 132kV | 09/01/2020 00:15:00 | 2 | 21637.5 | 2872.5 | 1638.28 | -1234.22 | 5.7 | 0.00 | -1.727 | 0.000000 |
| Sakri 132kV | 09/01/2020 00:30:00 | 3 | 21637.5 | 2882.5 | 1306.25 | -1576.25 | 7.28 | 0.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sakri 132kV | 09/01/2020 00:45:00 | 4 | 21637.5 | 2885.0 | 1081.25 | -1803.75 | 8.34 | 0.00 | -2.879 | 0.000000 |
| Sakri 132kV | 09/01/2020 01:00:00 | 5 | 21637.5 | 2870.0 | 1017.19 | -1852.81 | 8.56 | 0.00 | -3.519 | 0.000000 |
| Sakri 132kV | 09/01/2020 01:15:00 | 6 | 21637.5 | 2837.5 | 739.85 | -2097.65 | 9.69 | 0.00 | -3.519 | 0.000000 |
| Sakri 132kV | 09/01/2020 01:30:00 | 7 | 21637.5 | 2815.0 | 316.41 | -2498.59 | 11.55 | 0.00 | -3.199 | 0.000000 |
| Sakri 132kV | 09/01/2020 01:45:00 | 8 | 21637.5 | 2802.5 | 17.19 | -2785.31 | 12.87 | 0.00 | 3.519 | 676.795587 |
| Sakri 132kV | 09/01/2020 02:00:00 | 9 | 21637.5 | 2815.0 | 0.0 | -2815.0 | 13.01 | 0.00 | 3.519 | 3099.055810 |
| Sakri 132kV | 09/01/2020 02:15:00 | 10 | 21637.5 | 2812.5 | 0.0 | -2812.5 | 13.0 | 0.00 | 2.879 | 1357.979911 |
| Sakri 132kV | 09/01/2020 02:30:00 | 11 | 21637.5 | 2880.0 | 0.0 | -2880.0 | 13.31 | 0.00 | 3.199 | 2000.699053 |
| Sakri 132kV | 09/01/2020 02:45:00 | 12 | 21637.5 | 2872.5 | 0.0 | -2872.5 | 13.28 | 0.00 | 1.152 | 0.000000 |
| Sakri 132kV | 09/01/2020 03:00:00 | 13 | 21637.5 | 2882.5 | 0.0 | -2882.5 | 13.32 | 0.00 | -2.879 | 0.000000 |
| Sakri 132kV | 09/01/2020 03:15:00 | 14 | 21637.5 | 2885.0 | 0.0 | -2885.0 | 13.33 | 0.00 | -3.839 | 0.000000 |
| Sakri 132kV | 09/01/2020 03:30:00 | 15 | 21637.5 | 2870.0 | 0.0 | -2870.0 | 13.26 | 0.00 | 3.199 | 0.000000 |
| Sakri 132kV | 09/01/2020 03:45:00 | 16 | 21637.5 | 2837.5 | 0.0 | -2837.5 | 13.11 | 0.00 | 0.000 | 0.000000 |
| Sakri 132kV | 09/01/2020 04:00:00 | 17 | 21637.5 | 2815.0 | 0.0 | -2815.0 | 13.01 | 0.00 | 1.727 | 0.000000 |
| Sakri 132kV | 09/01/2020 04:15:00 | 18 | 21637.5 | 2802.5 | 0.0 | -2802.5 | 12.95 | 0.00 | 1.727 | 0.000000 |
| Sakri 132kV | 09/01/2020 04:30:00 | 19 | 21637.5 | 2880.0 | 0.0 | -2880.0 | 13.31 | 0.00 | 1.727 | 0.000000 |
| Sakri 132kV | 09/01/2020 04:45:00 | 20 | 21637.5 | 2872.5 | 0.0 | -2872.5 | 13.28 | 0.00 | 2.879 | 2475.549368 |
| Sakri 132kV | 09/01/2020 05:00:00 | 21 | 21637.5 | 2882.5 | 0.0 | -2882.5 | 13.32 | 0.00 | 3.839 | 1438.882642 |
| Sakri 132kV | 09/01/2020 05:15:00 | 22 | 21637.5 | 2885.0 | 0.0 | -2885.0 | 13.33 | 0.00 | 5.119 | 4072.185522 |
| Sakri 132kV | 09/01/2020 05:30:00 | 23 | 21637.5 | 2870.0 | 7.81 | -2862.19 | 13.23 | 0.00 | 4.064 | 7362.708585 |
| Sakri 132kV | 09/01/2020 05:45:00 | 24 | 21637.5 | 2837.5 | 164.06 | -2673.44 | 12.36 | 0.00 | 1.152 | 18.860696 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sakri 132kV | 09/01/2020 06:00:00 | 25 | 21637.5 | 2815.0 | 742.19 | -2072.81 | 9.58 | 0.00 | -2.303 | 0.000000 |
| Sakri 132kV | 09/01/2020 06:15:00 | 26 | 21637.5 | 2802.5 | 1016.41 | -1786.09 | 8.25 | 0.00 | 2.303 | 1188.016101 |
| Sakri 132kV | 09/01/2020 06:30:00 | 27 | 21637.5 | 2815.0 | 1176.56 | -1638.44 | 7.57 | 0.00 | -3.839 | 0.000000 |
| Sakri 132kV | 09/01/2020 06:45:00 | 28 | 21637.5 | 2812.5 | 1021.87 | -1790.63 | 8.28 | 0.00 | -2.879 | 0.000000 |
| Sakri 132kV | 09/01/2020 07:00:00 | 29 | 21637.5 | 2880.0 | 718.75 | -2161.25 | 9.99 | 0.00 | -2.879 | 0.000000 |
| Sakri 132kV | 09/01/2020 07:15:00 | 30 | 21637.5 | 2872.5 | 1447.66 | -1424.84 | 6.59 | 0.00 | 6.400 | 708.867498 |
| Sakri 132kV | 09/01/2020 07:30:00 | 31 | 21637.5 | 2882.5 | 3408.59 | 526.09 | 2.43 | 0.00 | 1.172 | 0.000000 |
| Sakri 132kV | 09/01/2020 07:45:00 | 32 | 21637.5 | 2885.0 | 4074.22 | 1189.22 | 5.5 | 0.00 | 0.576 | 0.000000 |
| Sakri 132kV | 09/01/2020 08:00:00 | 33 | 21637.5 | 2870.0 | 3205.47 | 335.47 | 1.55 | 0.00 | -0.576 | -18.337041 |
| Sakri 132kV | 09/01/2020 08:15:00 | 34 | 21637.5 | 2837.5 | 2232.03 | -605.47 | 2.8 | 0.00 | -1.152 | 0.000000 |
| Sakri 132kV | 09/01/2020 08:30:00 | 35 | 21637.5 | 2815.0 | 1366.41 | -1448.59 | 6.69 | 0.00 | 0.576 | 0.000000 |
| Sakri 132kV | 09/01/2020 08:45:00 | 36 | 21637.5 | 2802.5 | 1057.03 | -1745.47 | 8.07 | 0.00 | 0.000 | 0.000000 |
| Sakri 132kV | 09/01/2020 09:00:00 | 37 | 21637.5 | 2880.0 | 1041.41 | -1838.59 | 8.5 | 0.00 | 1.152 | 0.000000 |
| Sakri 132kV | 09/01/2020 09:15:00 | 38 | 21637.5 | 9532.5 | 1164.84 | -8367.66 | 38.67 | 4437.43 | 1.727 | 0.000000 |
| Sakri 132kV | 09/01/2020 09:30:00 | 39 | 21637.5 | 9537.5 | 2643.75 | -6893.75 | 31.86 | 2566.25 | -3.839 | 0.000000 |
| Sakri 132kV | 09/01/2020 09:45:00 | 40 | 21637.5 | 9540.0 | 3634.38 | -5905.62 | 27.29 | 1578.12 | -1.152 | 0.000000 |
| Sakri 132kV | 09/01/2020 10:00:00 | 41 | 21637.5 | 9542.5 | 3484.37 | -6058.13 | 28.0 | 1730.63 | 0.000 | 0.000000 |
| Sakri 132kV | 09/01/2020 10:15:00 | 42 | 21637.5 | 9530.0 | 2717.19 | -6812.81 | 31.49 | 2485.31 | 1.727 | 0.000000 |
| Sakri 132kV | 09/01/2020 10:30:00 | 43 | 21637.5 | 9472.5 | 2174.22 | -7298.28 | 33.73 | 2970.78 | 2.303 | 0.000000 |
| Sakri 132kV | 09/01/2020 10:45:00 | 44 | 21637.5 | 9465.0 | 1846.09 | -7618.91 | 35.21 | 3314.31 | -1.144 | 0.000000 |
| Sakri 132kV | 09/01/2020 11:00:00 | 45 | 21637.5 | 7472.5 | 1670.31 | -5802.19 | 26.82 | 1474.69 | -4.479 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sakri 132kV | 09/01/2020 11:15:00 | 46 | 21637.5 | 7370.0 | 1964.06 | -5405.94 | 24.98 | 1080.16 | -3.519 | 0.000000 |
| Sakri 132kV | 09/01/2020 11:30:00 | 47 | 21637.5 | 7280.0 | 1807.81 | -5472.19 | 25.29 | 1144.69 | -2.303 | 0.000000 |
| Sakri 132kV | 09/01/2020 11:45:00 | 48 | 21637.5 | 7195.0 | 1464.84 | -5730.16 | 26.48 | 1402.66 | -0.576 | 0.000000 |
| Sakri 132kV | 09/01/2020 12:00:00 | 49 | 21637.5 | 6812.5 | 1318.75 | -5493.75 | 25.39 | 1166.25 | 0.000 | 0.000000 |
| Sakri 132kV | 09/01/2020 12:15:00 | 50 | 21637.5 | 6722.5 | 1071.09 | -5651.41 | 26.12 | 1323.91 | 3.839 | 0.000000 |
| Sakri 132kV | 09/01/2020 12:30:00 | 51 | 21637.5 | 6620.0 | 812.5 | -5807.5 | 26.84 | 1480.00 | 3.199 | 0.000000 |
| Sakri 132kV | 09/01/2020 12:45:00 | 52 | 21637.5 | 6530.0 | 607.03 | -5922.97 | 27.37 | 1595.47 | 3.199 | 0.000000 |
| Sakri 132kV | 09/01/2020 13:00:00 | 53 | 21637.5 | 6445.0 | 459.38 | -5985.62 | 27.66 | 1658.12 | -1.152 | 0.000000 |
| Sakri 132kV | 09/01/2020 13:15:00 | 54 | 21637.5 | 6335.0 | 185.94 | -6149.06 | 28.42 | 1821.56 | -1.152 | 0.000000 |
| Sakri 132kV | 09/01/2020 13:30:00 | 55 | 21637.5 | 5135.0 | 98.44 | -5036.56 | 23.28 | 895.47 | 1.727 | 0.000000 |
| Sakri 132kV | 09/01/2020 13:45:00 | 56 | 21637.5 | 5120.0 | 96.09 | -5023.91 | 23.22 | 889.14 | 3.199 | 0.000000 |
| Sakri 132kV | 09/01/2020 14:00:00 | 57 | 21637.5 | 5087.5 | 81.25 | -5006.25 | 23.14 | 880.31 | 4.345 | 0.000000 |
| Sakri 132kV | 09/01/2020 14:15:00 | 58 | 21637.5 | 5065.0 | 35.16 | -5029.84 | 23.25 | 892.11 | 3.941 | 0.000000 |
| Sakri 132kV | 09/01/2020 14:30:00 | 59 | 21637.5 | 5052.5 | 50.0 | -5002.5 | 23.12 | 878.44 | 1.152 | 0.000000 |
| Sakri 132kV | 09/01/2020 14:45:00 | 60 | 21637.5 | 5065.0 | 46.09 | -5018.91 | 23.2 | 886.64 | -0.576 | 0.000000 |
| Sakri 132kV | 09/01/2020 15:00:00 | 61 | 21637.5 | 3062.5 | 20.31 | -3042.19 | 14.06 | 0.00 | -1.006 | 0.000000 |
| Sakri 132kV | 09/01/2020 15:15:00 | 62 | 21637.5 | 3130.0 | 50.78 | -3079.22 | 14.23 | 0.00 | 3.199 | 0.000000 |
| Sakri 132kV | 09/01/2020 15:30:00 | 63 | 21637.5 | 3122.5 | 55.47 | -3067.03 | 14.17 | 0.00 | 2.879 | 0.000000 |
| Sakri 132kV | 09/01/2020 15:45:00 | 64 | 21637.5 | 3132.5 | 39.06 | -3093.44 | 14.3 | 0.00 | 3.839 | 0.000000 |
| Sakri 132kV | 09/01/2020 16:00:00 | 65 | 21637.5 | 3135.0 | 50.0 | -3085.0 | 14.26 | 0.00 | 1.727 | 0.000000 |
| Sakri 132kV | 09/01/2020 16:15:00 | 66 | 21637.5 | 3120.0 | 17.97 | -3102.03 | 14.34 | 0.00 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sakri 132kV | 09/01/2020 16:30:00 | 67 | 21637.5 | 3087.5 | 46.88 | -3040.62 | 14.05 | 0.00 | -4.159 | 0.000000 |
| Sakri 132kV | 09/01/2020 16:45:00 | 68 | 21637.5 | 3065.0 | 170.31 | -2894.69 | 13.38 | 0.00 | 3.839 | 0.000000 |
| Sakri 132kV | 09/01/2020 17:00:00 | 69 | 21637.5 | 3052.5 | 314.06 | -2738.44 | 12.66 | 0.00 | 1.727 | 0.000000 |
| Sakri 132kV | 09/01/2020 17:15:00 | 70 | 21637.5 | 3240.0 | 520.31 | -2719.69 | 12.57 | 0.00 | 3.839 | 934.800365 |
| Sakri 132kV | 09/01/2020 17:30:00 | 71 | 21637.5 | 3177.5 | 611.72 | -2565.78 | 11.86 | 0.00 | -2.879 | 0.000000 |
| Sakri 132kV | 09/01/2020 17:45:00 | 72 | 21637.5 | 3165.0 | 455.47 | -2709.53 | 12.52 | 0.00 | -4.146 | 0.000000 |
| Sakri 132kV | 09/01/2020 18:00:00 | 73 | 21637.5 | 3150.0 | 926.56 | -2223.44 | 10.28 | 0.00 | -3.349 | 0.000000 |
| Sakri 132kV | 09/01/2020 18:15:00 | 74 | 21637.5 | 3162.5 | 1931.25 | -1231.25 | 5.69 | 0.00 | -4.563 | 0.000000 |
| Sakri 132kV | 09/01/2020 18:30:00 | 75 | 21637.5 | 3170.0 | 2628.12 | -541.88 | 2.5 | 0.00 | -3.839 | 0.000000 |
| Sakri 132kV | 09/01/2020 18:45:00 | 76 | 21637.5 | 3180.0 | 3053.12 | -126.88 | 0.59 | 0.00 | -2.879 | 0.000000 |
| Sakri 132kV | 09/01/2020 19:00:00 | 77 | 21637.5 | 3185.0 | 3473.44 | 288.44 | 1.33 | 0.00 | -3.199 | 0.000000 |
| Sakri 132kV | 09/01/2020 19:15:00 | 78 | 21637.5 | 3195.0 | 3270.31 | 75.31 | 0.35 | 0.00 | -1.727 | 0.000000 |
| Sakri 132kV | 09/01/2020 19:30:00 | 79 | 21637.5 | 3220.0 | 3341.41 | 121.41 | 0.56 | 0.00 | -1.442 | 0.000000 |
| Sakri 132kV | 09/01/2020 19:45:00 | 80 | 21637.5 | 4980.0 | 3493.75 | -1486.25 | 6.87 | 0.00 | -0.286 | 0.000000 |
| Sakri 132kV | 09/01/2020 20:00:00 | 81 | 21637.5 | 4945.0 | 3146.88 | -1798.12 | 8.31 | 0.00 | -1.070 | 0.000000 |
| Sakri 132kV | 09/01/2020 20:15:00 | 82 | 21637.5 | 4930.0 | 2963.28 | -1966.72 | 9.09 | 0.00 | -2.236 | 0.000000 |
| Sakri 132kV | 09/01/2020 20:30:00 | 83 | 21637.5 | 4842.5 | 2667.19 | -2175.31 | 10.05 | 0.00 | -4.799 | 0.000000 |
| Sakri 132kV | 09/01/2020 20:45:00 | 84 | 21637.5 | 4910.0 | 1697.66 | -3212.34 | 14.85 | 0.00 | -1.727 | 0.000000 |
| Sakri 132kV | 09/01/2020 21:00:00 | 85 | 21637.5 | 4902.5 | 1025.0 | -3877.5 | 17.92 | 315.94 | -1.727 | 0.000000 |
| Sakri 132kV | 09/01/2020 21:15:00 | 86 | 21637.5 | 3715.0 | 1013.28 | -2701.72 | 12.49 | 0.00 | 1.152 | 0.000000 |
| Sakri 132kV | 09/01/2020 21:30:00 | 87 | 21637.5 | 3670.0 | 944.53 | -2725.47 | 12.6 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sakri 132kV | 09/01/2020 21:45:00 | 88 | 21637.5 | 3645.0 | 1265.62 | -2379.38 | 11.0 | 0.00 | -2.303 | 0.000000 |
| Sakri 132kV | 09/01/2020 22:00:00 | 89 | 21637.5 | 3627.5 | 999.22 | -2628.28 | 12.15 | 0.00 | -2.795 | 0.000000 |
| Sakri 132kV | 09/01/2020 22:15:00 | 90 | 21637.5 | 3542.5 | 750.0 | -2792.5 | 12.91 | 0.00 | -3.674 | 0.000000 |
| Sakri 132kV | 09/01/2020 22:30:00 | 91 | 21637.5 | 3525.0 | 837.5 | -2687.5 | 12.42 | 0.00 | -2.303 | 0.000000 |
| Sakri 132kV | 09/01/2020 22:45:00 | 92 | 21637.5 | 3505.0 | 1147.66 | -2357.34 | 10.89 | 0.00 | -1.152 | 0.000000 |
| Sakri 132kV | 09/01/2020 23:00:00 | 93 | 21637.5 | 3455.0 | 1608.59 | -1846.41 | 8.53 | 0.00 | 0.000 | 0.000000 |
| Sakri 132kV | 09/01/2020 23:15:00 | 94 | 21637.5 | 3505.0 | 2042.19 | -1462.81 | 6.76 | 0.00 | -0.576 | 0.000000 |
| Sakri 132kV | 09/01/2020 23:30:00 | 95 | 21637.5 | 3655.0 | 3000.0 | -655.0 | 3.03 | 0.00 | -0.576 | 0.000000 |
| Sakri 132kV | 09/01/2020 23:45:00 | 96 | 21637.5 | 3765.0 | 3296.88 | -468.12 | 2.16 | 0.00 | -0.987 | 0.000000 |
| Sakri 132kV | 10/01/2020 00:00:00 | 1 | 21637.5 | 2837.5 | 4016.41 | 1178.91 | 5.45 | 0.00 | -0.680 | 0.000000 |
| Sakri 132kV | 10/01/2020 00:15:00 | 2 | 21637.5 | 2872.5 | 4739.06 | 1866.56 | 8.63 | 0.00 | -3.326 | 0.000000 |
| Sakri 132kV | 10/01/2020 00:30:00 | 3 | 21637.5 | 2882.5 | 4371.09 | 1488.59 | 6.88 | 0.00 | -2.992 | 0.000000 |
| Sakri 132kV | 10/01/2020 00:45:00 | 4 | 21637.5 | 2885.0 | 4424.22 | 1539.22 | 7.11 | 0.00 | -0.532 | 0.000000 |
| Sakri 132kV | 10/01/2020 01:00:00 | 5 | 21637.5 | 2870.0 | 4975.78 | 2105.78 | 9.73 | 0.00 | -0.713 | 0.000000 |
| Sakri 132kV | 10/01/2020 01:15:00 | 6 | 21637.5 | 2837.5 | 5362.5 | 2525.0 | 11.67 | 0.00 | -0.548 | 0.000000 |
| Sakri 132kV | 10/01/2020 01:30:00 | 7 | 21637.5 | 6087.5 | 5225.78 | -861.72 | 3.98 | 0.00 | -2.658 | 0.000000 |
| Sakri 132kV | 10/01/2020 01:45:00 | 8 | 21637.5 | 6062.5 | 4946.09 | -1116.41 | 5.16 | 0.00 | 2.127 | 0.000000 |
| Sakri 132kV | 10/01/2020 02:00:00 | 9 | 21637.5 | 6080.0 | 4385.94 | -1694.06 | 7.83 | 0.00 | 5.342 | 3319.289938 |
| Sakri 132kV | 10/01/2020 02:15:00 | 10 | 21637.5 | 5830.0 | 3118.75 | -2711.25 | 12.53 | 0.00 | 1.595 | 0.000000 |
| Sakri 132kV | 10/01/2020 02:30:00 | 11 | 21637.5 | 5630.0 | 2289.06 | -3340.94 | 15.44 | 47.66 | 3.326 | 0.000000 |
| Sakri 132kV | 10/01/2020 02:45:00 | 12 | 21637.5 | 5552.5 | 1907.81 | -3644.69 | 16.84 | 199.53 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sakri 132kV | 10/01/2020 03:00:00 | 13 | 21637.5 | 5330.0 | 1748.44 | -3581.56 | 16.55 | 167.97 | 2.658 | 0.000000 |
| Sakri 132kV | 10/01/2020 03:15:00 | 14 | 21637.5 | 6300.0 | 1385.94 | -4914.06 | 22.71 | 834.22 | 2.127 | 779.186997 |
| Sakri 132kV | 10/01/2020 03:30:00 | 15 | 21637.5 | 6162.5 | 1096.09 | -5066.41 | 23.41 | 910.39 | 2.127 | 952.437921 |
| Sakri 132kV | 10/01/2020 03:45:00 | 16 | 21637.5 | 6087.5 | 1071.09 | -5016.41 | 23.18 | 885.39 | -1.063 | 0.000000 |
| Sakri 132kV | 10/01/2020 04:00:00 | 17 | 21637.5 | 6062.5 | 1170.31 | -4892.19 | 22.61 | 823.28 | 1.595 | 0.000000 |
| Sakri 132kV | 10/01/2020 04:15:00 | 18 | 21637.5 | 5912.5 | 1354.69 | -4557.81 | 21.06 | 656.09 | 3.326 | 2710.251235 |
| Sakri 132kV | 10/01/2020 04:30:00 | 19 | 21637.5 | 2815.0 | 1777.34 | -1037.66 | 4.8 | 0.00 | 3.326 | 0.000000 |
| Sakri 132kV | 10/01/2020 04:45:00 | 20 | 21637.5 | 2802.5 | 1900.78 | -901.72 | 4.17 | 0.00 | 2.127 | 0.000000 |
| Sakri 132kV | 10/01/2020 05:00:00 | 21 | 21637.5 | 2815.0 | 2149.22 | -665.78 | 3.08 | 0.00 | 2.992 | 0.000000 |
| Sakri 132kV | 10/01/2020 05:15:00 | 22 | 21637.5 | 2812.5 | 2817.97 | 5.47 | 0.03 | 0.00 | 1.063 | 0.000000 |
| Sakri 132kV | 10/01/2020 05:30:00 | 23 | 21637.5 | 2880.0 | 2821.09 | -58.91 | 0.27 | 0.00 | -2.658 | 0.000000 |
| Sakri 132kV | 10/01/2020 05:45:00 | 24 | 21637.5 | 2872.5 | 2668.75 | -203.75 | 0.94 | 0.00 | 2.127 | 0.000000 |
| Sakri 132kV | 10/01/2020 06:00:00 | 25 | 21637.5 | 2882.5 | 2772.66 | -109.84 | 0.51 | 0.00 | -2.127 | 0.000000 |
| Sakri 132kV | 10/01/2020 06:15:00 | 26 | 21637.5 | 4162.5 | 2742.97 | -1419.53 | 6.56 | 0.00 | 2.658 | 360.119063 |
| Sakri 132kV | 10/01/2020 06:30:00 | 27 | 21637.5 | 4087.5 | 2585.94 | -1501.56 | 6.94 | 0.00 | -2.992 | 0.000000 |
| Sakri 132kV | 10/01/2020 06:45:00 | 28 | 21637.5 | 3880.0 | 2378.13 | -1501.87 | 6.94 | 0.00 | -3.077 | 0.000000 |
| Sakri 132kV | 10/01/2020 07:00:00 | 29 | 21637.5 | 3885.0 | 2439.84 | -1445.16 | 6.68 | 0.00 | -0.687 | 0.000000 |
| Sakri 132kV | 10/01/2020 07:15:00 | 30 | 21637.5 | 3855.0 | 2463.28 | -1391.72 | 6.43 | 0.00 | -2.658 | 0.000000 |
| Sakri 132kV | 10/01/2020 07:30:00 | 31 | 21637.5 | 3840.0 | 2512.5 | -1327.5 | 6.14 | 0.00 | -1.063 | 0.000000 |
| Sakri 132kV | 10/01/2020 07:45:00 | 32 | 21637.5 | 3640.0 | 2423.44 | -1216.56 | 5.62 | 0.00 | -2.658 | 0.000000 |
| Sakri 132kV | 10/01/2020 08:00:00 | 33 | 21637.5 | 3630.0 | 2309.38 | -1320.62 | 6.1 | 0.00 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sakri 132kV | 10/01/2020 08:15:00 | 34 | 21637.5 | 3587.5 | 2167.97 | -1419.53 | 6.56 | 0.00 | -4.661 | 0.000000 |
| Sakri 132kV | 10/01/2020 08:30:00 | 35 | 21637.5 | 3565.0 | 2046.88 | -1518.12 | 7.02 | 0.00 | 5.663 | 0.000000 |
| Sakri 132kV | 10/01/2020 08:45:00 | 36 | 21637.5 | 3412.5 | 2180.47 | -1232.03 | 5.69 | 0.00 | 4.328 | 0.000000 |
| Sakri 132kV | 10/01/2020 09:00:00 | 37 | 21637.5 | 3330.0 | 2603.91 | -726.09 | 3.36 | 0.00 | -4.995 | 0.000000 |
| Sakri 132kV | 10/01/2020 09:15:00 | 38 | 21637.5 | 3880.0 | 3296.88 | -583.12 | 2.69 | 0.00 | -4.327 | 0.000000 |
| Sakri 132kV | 10/01/2020 09:30:00 | 39 | 21637.5 | 3662.5 | 4614.06 | 951.56 | 4.4 | 0.00 | -2.127 | -186.837551 |
| Sakri 132kV | 10/01/2020 09:45:00 | 40 | 21637.5 | 3372.5 | 4635.16 | 1262.66 | 5.84 | 0.00 | -1.152 | -236.718248 |
| Sakri 132kV | 10/01/2020 10:00:00 | 41 | 21637.5 | 3382.5 | 4211.72 | 829.22 | 3.83 | 0.00 | 0.000 | 0.000000 |
| Sakri 132kV | 10/01/2020 10:15:00 | 42 | 21637.5 | 3385.0 | 3613.28 | 228.28 | 1.06 | 0.00 | -0.532 | -7.027644 |
| Sakri 132kV | 10/01/2020 10:30:00 | 43 | 21637.5 | 3552.5 | 3616.41 | 63.91 | 0.3 | 0.00 | -1.063 | -3.817705 |
| Sakri 132kV | 10/01/2020 10:45:00 | 44 | 21637.5 | 3302.5 | 3907.81 | 605.31 | 2.8 | 0.00 | 0.000 | 0.000000 |
| Sakri 132kV | 10/01/2020 11:00:00 | 45 | 21637.5 | 3277.5 | 3880.47 | 602.97 | 2.79 | 0.00 | 2.658 | 0.000000 |
| Sakri 132kV | 10/01/2020 11:15:00 | 46 | 21637.5 | 3035.0 | 3898.44 | 863.44 | 3.99 | 0.00 | 0.000 | 0.000000 |
| Sakri 132kV | 10/01/2020 11:30:00 | 47 | 21637.5 | 2880.0 | 3707.81 | 827.81 | 3.83 | 0.00 | -1.595 | -22.543243 |
| Sakri 132kV | 10/01/2020 11:45:00 | 48 | 21637.5 | 2872.5 | 3364.84 | 492.34 | 2.28 | 0.00 | 2.992 | 0.000000 |
| Sakri 132kV | 10/01/2020 12:00:00 | 49 | 21637.5 | 2882.5 | 3304.69 | 422.19 | 1.95 | 0.00 | 0.000 | 0.000000 |
| Sakri 132kV | 10/01/2020 12:15:00 | 50 | 21637.5 | 6027.5 | 3410.94 | -2616.56 | 12.09 | 0.00 | 2.127 | 0.000000 |
| Sakri 132kV | 10/01/2020 12:30:00 | 51 | 21637.5 | 5780.0 | 2782.81 | -2997.19 | 13.85 | 0.00 | 1.595 | 0.000000 |
| Sakri 132kV | 10/01/2020 12:45:00 | 52 | 21637.5 | 5530.0 | 2754.69 | -2775.31 | 12.83 | 0.00 | -1.063 | 0.000000 |
| Sakri 132kV | 10/01/2020 13:00:00 | 53 | 21637.5 | 5330.0 | 2841.41 | -2488.59 | 11.5 | 0.00 | 2.658 | 0.000000 |
| Sakri 132kV | 10/01/2020 13:15:00 | 54 | 21637.5 | 5027.5 | 2897.66 | -2129.84 | 9.84 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sakri 132kV | 10/01/2020 13:30:00 | 55 | 21637.5 | 5035.0 | 3099.22 | -1935.78 | 8.95 | 0.00 | 2.127 | 0.000000 |
| Sakri 132kV | 10/01/2020 13:45:00 | 56 | 21637.5 | 4830.0 | 2751.56 | -2078.44 | 9.61 | 0.00 | -3.326 | 0.000000 |
| Sakri 132kV | 10/01/2020 14:00:00 | 57 | 21637.5 | 4560.0 | 2294.53 | -2265.47 | 10.47 | 0.00 | -2.992 | 0.000000 |
| Sakri 132kV | 10/01/2020 14:15:00 | 58 | 21637.5 | 2900.0 | 2185.94 | -714.06 | 3.3 | 0.00 | 3.660 | 0.000000 |
| Sakri 132kV | 10/01/2020 14:30:00 | 59 | 21637.5 | 2885.0 | 1993.75 | -891.25 | 4.12 | 0.00 | -2.127 | 0.000000 |
| Sakri 132kV | 10/01/2020 14:45:00 | 60 | 21637.5 | 2872.5 | 1732.81 | -1139.69 | 5.27 | 0.00 | -2.127 | 0.000000 |
| Sakri 132kV | 10/01/2020 15:00:00 | 61 | 21637.5 | 3607.5 | 1461.72 | -2145.78 | 9.92 | 0.00 | 0.000 | 0.000000 |
| Sakri 132kV | 10/01/2020 15:15:00 | 62 | 21637.5 | 3532.5 | 1251.56 | -2280.94 | 10.54 | 0.00 | -2.992 | 0.000000 |
| Sakri 132kV | 10/01/2020 15:30:00 | 63 | 21637.5 | 3417.5 | 976.56 | -2440.94 | 11.28 | 0.00 | -4.995 | 0.000000 |
| Sakri 132kV | 10/01/2020 15:45:00 | 64 | 21637.5 | 3365.0 | 794.53 | -2570.47 | 11.88 | 0.00 | -4.327 | 0.000000 |
| Sakri 132kV | 10/01/2020 16:00:00 | 65 | 21637.5 | 3297.5 | 875.78 | -2421.72 | 11.19 | 0.00 | -4.995 | 0.000000 |
| Sakri 132kV | 10/01/2020 16:15:00 | 66 | 21637.5 | 3125.0 | 831.25 | -2293.75 | 10.6 | 0.00 | -8.000 | 0.000000 |
| Sakri 132kV | 10/01/2020 16:30:00 | 67 | 21637.5 | 3102.5 | 1297.66 | -1804.84 | 8.34 | 0.00 | -8.000 | 0.000000 |
| Sakri 132kV | 10/01/2020 16:45:00 | 68 | 21637.5 | 3085.0 | 1609.38 | -1475.62 | 6.82 | 0.00 | 4.327 | 0.000000 |
| Sakri 132kV | 10/01/2020 17:00:00 | 69 | 21637.5 | 3157.5 | 1585.94 | -1571.56 | 7.26 | 0.00 | 0.532 | 0.000000 |
| Sakri 132kV | 10/01/2020 17:15:00 | 70 | 21637.5 | 3365.0 | 1490.62 | -1874.38 | 8.66 | 0.00 | -1.595 | 0.000000 |
| Sakri 132kV | 10/01/2020 17:30:00 | 71 | 21637.5 | 3367.5 | 1344.53 | -2022.97 | 9.35 | 0.00 | -2.658 | 0.000000 |
| Sakri 132kV | 10/01/2020 17:45:00 | 72 | 21637.5 | 3455.0 | 1381.25 | -2073.75 | 9.58 | 0.00 | -2.127 | 0.000000 |
| Sakri 132kV | 10/01/2020 18:00:00 | 73 | 21637.5 | 3067.5 | 1549.22 | -1518.28 | 7.02 | 0.00 | -1.461 | 0.000000 |
| Sakri 132kV | 10/01/2020 18:15:00 | 74 | 21637.5 | 2922.5 | 1664.84 | -1257.66 | 5.81 | 0.00 | 3.326 | 441.962079 |
| Sakri 132kV | 10/01/2020 18:30:00 | 75 | 21637.5 | 2852.5 | 1457.03 | -1395.47 | 6.45 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sakri 132kV | 10/01/2020 18:45:00 | 76 | 21637.5 | 2755.0 | 1390.63 | -1364.37 | 6.31 | 0.00 | 3.994 | 227.746622 |
| Sakri 132kV | 10/01/2020 19:00:00 | 77 | 21637.5 | 2712.5 | 1322.66 | -1389.84 | 6.42 | 0.00 | -2.127 | 0.000000 |
| Sakri 132kV | 10/01/2020 19:15:00 | 78 | 21637.5 | 2675.0 | 1197.66 | -1477.34 | 6.83 | 0.00 | -2.658 | 0.000000 |
| Sakri 132kV | 10/01/2020 19:30:00 | 79 | 21637.5 | 3150.0 | 1246.87 | -1903.13 | 8.8 | 0.00 | -3.660 | 0.000000 |
| Sakri 132kV | 10/01/2020 19:45:00 | 80 | 21637.5 | 3135.0 | 1453.12 | -1681.88 | 7.77 | 0.00 | -3.326 | 0.000000 |
| Sakri 132kV | 10/01/2020 20:00:00 | 81 | 21637.5 | 3122.5 | 1514.84 | -1607.66 | 7.43 | 0.00 | 3.660 | 391.897423 |
| Sakri 132kV | 10/01/2020 20:15:00 | 82 | 21637.5 | 3135.0 | 1767.97 | -1367.03 | 6.32 | 0.00 | 3.660 | 1431.077455 |
| Sakri 132kV | 10/01/2020 20:30:00 | 83 | 21637.5 | 3162.5 | 1733.59 | -1428.91 | 6.6 | 0.00 | 4.995 | 2123.590361 |
| Sakri 132kV | 10/01/2020 20:45:00 | 84 | 21637.5 | 3170.0 | 2033.59 | -1136.41 | 5.25 | 0.00 | 2.992 | 1194.286893 |
| Sakri 132kV | 10/01/2020 21:00:00 | 85 | 21637.5 | 3180.0 | 1858.59 | -1321.41 | 6.11 | 0.00 | -3.660 | 0.000000 |
| Sakri 132kV | 10/01/2020 21:15:00 | 86 | 21637.5 | 3185.0 | 1662.5 | -1522.5 | 7.04 | 0.00 | -1.595 | 0.000000 |
| Sakri 132kV | 10/01/2020 21:30:00 | 87 | 21637.5 | 3195.0 | 1604.69 | -1590.31 | 7.35 | 0.00 | -1.063 | 0.000000 |
| Sakri 132kV | 10/01/2020 21:45:00 | 88 | 21637.5 | 3220.0 | 1140.62 | -2079.38 | 9.61 | 0.00 | -0.532 | 0.000000 |
| Sakri 132kV | 10/01/2020 22:00:00 | 89 | 21637.5 | 3200.0 | 1005.47 | -2194.53 | 10.14 | 0.00 | -1.595 | 0.000000 |
| Sakri 132kV | 10/01/2020 22:15:00 | 90 | 21637.5 | 3165.0 | 1096.88 | -2068.12 | 9.56 | 0.00 | -2.127 | 0.000000 |
| Sakri 132kV | 10/01/2020 22:30:00 | 91 | 21637.5 | 3150.0 | 899.22 | -2250.78 | 10.4 | 0.00 | 1.063 | 0.000000 |
| Sakri 132kV | 10/01/2020 22:45:00 | 92 | 21637.5 | 4527.5 | 971.09 | -3556.41 | 16.44 | 155.39 | -2.658 | 0.000000 |
| Sakri 132kV | 10/01/2020 23:00:00 | 93 | 21637.5 | 4515.0 | 1410.15 | -3104.85 | 14.35 | 0.00 | -2.658 | 0.000000 |
| Sakri 132kV | 10/01/2020 23:15:00 | 94 | 21637.5 | 4490.0 | 2589.84 | -1900.16 | 8.78 | 0.00 | 0.000 | 0.000000 |
| Sakri 132kV | 10/01/2020 23:30:00 | 95 | 21637.5 | 4522.5 | 3535.16 | -987.34 | 4.56 | 0.00 | 0.000 | 0.000000 |
| Sakri 132kV | 10/01/2020 23:45:00 | 96 | 21637.5 | 4565.0 | 3221.88 | -1343.12 | 6.21 | 0.00 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sakri 132kV | 11/01/2020 00:00:00 | 1 | 21637.5 | 4647.5 | 3373.44 | -1274.06 | 5.89 | 0.00 | 0.000 | 0.000000 |
| Sakri 132kV | 11/01/2020 00:15:00 | 2 | 21637.5 | 4575.0 | 3038.28 | -1536.72 | 7.1 | 0.00 | -2.629 | 0.000000 |
| Sakri 132kV | 11/01/2020 00:30:00 | 3 | 21637.5 | 4680.0 | 2848.44 | -1831.56 | 8.46 | 0.00 | -1.577 | 0.000000 |
| Sakri 132kV | 11/01/2020 00:45:00 | 4 | 21637.5 | 4765.0 | 2546.88 | -2218.12 | 10.25 | 0.00 | 2.103 | 0.000000 |
| Sakri 132kV | 11/01/2020 01:00:00 | 5 | 21637.5 | 4872.5 | 2623.44 | -2249.06 | 10.39 | 0.00 | 2.964 | 1056.637919 |
| Sakri 132kV | 11/01/2020 01:15:00 | 6 | 21637.5 | 4982.5 | 2079.69 | -2902.81 | 13.42 | 0.00 | 1.052 | 191.445605 |
| Sakri 132kV | 11/01/2020 01:30:00 | 7 | 21637.5 | 2815.0 | 1783.59 | -1031.41 | 4.77 | 0.00 | 1.577 | 121.107949 |
| Sakri 132kV | 11/01/2020 01:45:00 | 8 | 21637.5 | 2802.5 | 2289.06 | -513.44 | 2.37 | 0.00 | -0.526 | 0.000000 |
| Sakri 132kV | 11/01/2020 02:00:00 | 9 | 21637.5 | 2990.0 | 2762.5 | -227.5 | 1.05 | 0.00 | -0.403 | 0.000000 |
| Sakri 132kV | 11/01/2020 02:15:00 | 10 | 21637.5 | 2927.5 | 2742.97 | -184.53 | 0.85 | 0.00 | -0.630 | 0.000000 |
| Sakri 132kV | 11/01/2020 02:30:00 | 11 | 21637.5 | 2915.0 | 2852.34 | -62.66 | 0.29 | 0.00 | -0.526 | 0.000000 |
| Sakri 132kV | 11/01/2020 02:45:00 | 12 | 21637.5 | 2900.0 | 2945.31 | 45.31 | 0.21 | 0.00 | -0.526 | -2.157696 |
| Sakri 132kV | 11/01/2020 03:00:00 | 13 | 21637.5 | 3830.0 | 3169.53 | -660.47 | 3.05 | 0.00 | -1.051 | 0.000000 |
| Sakri 132kV | 11/01/2020 03:15:00 | 14 | 21637.5 | 3802.5 | 3139.06 | -663.44 | 3.07 | 0.00 | 0.000 | 0.000000 |
| Sakri 132kV | 11/01/2020 03:30:00 | 15 | 21637.5 | 3557.5 | 3289.06 | -268.44 | 1.24 | 0.00 | 0.000 | 0.000000 |
| Sakri 132kV | 11/01/2020 03:45:00 | 16 | 21637.5 | 3625.0 | 3303.12 | -321.88 | 1.49 | 0.00 | 0.000 | 0.000000 |
| Sakri 132kV | 11/01/2020 04:00:00 | 17 | 21637.5 | 3405.0 | 3032.81 | -372.19 | 1.72 | 0.00 | 0.000 | 0.000000 |
| Sakri 132kV | 11/01/2020 04:15:00 | 18 | 21637.5 | 3312.5 | 3298.44 | -14.06 | 0.06 | 0.00 | -1.051 | 0.000000 |
| Sakri 132kV | 11/01/2020 04:30:00 | 19 | 21637.5 | 3130.0 | 4058.59 | 928.59 | 4.29 | 0.00 | -2.964 | 0.000000 |
| Sakri 132kV | 11/01/2020 04:45:00 | 20 | 21637.5 | 3080.0 | 4210.94 | 1130.94 | 5.23 | 0.00 | -3.300 | 0.000000 |
| Sakri 132kV | 11/01/2020 05:00:00 | 21 | 21637.5 | 3052.5 | 4312.5 | 1260.0 | 5.82 | 0.00 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sakri 132kV | 11/01/2020 05:15:00 | 22 | 21637.5 | 2927.5 | 4506.25 | 1578.75 | 7.3 | 0.00 | 5.314 | 0.000000 |
| Sakri 132kV | 11/01/2020 05:30:00 | 23 | 21637.5 | 2915.0 | 5081.25 | 2166.25 | 10.01 | 0.00 | 2.964 | 0.000000 |
| Sakri 132kV | 11/01/2020 05:45:00 | 24 | 21637.5 | 2900.0 | 5515.62 | 2615.62 | 12.09 | 0.00 | 2.103 | 0.000000 |
| Sakri 132kV | 11/01/2020 06:00:00 | 25 | 21637.5 | 2885.0 | 5625.78 | 2740.78 | 12.67 | 0.00 | 3.636 | 0.000000 |
| Sakri 132kV | 11/01/2020 06:15:00 | 26 | 21637.5 | 2872.5 | 6150.0 | 3277.5 | 15.15 | 15.94 | 2.964 | 0.000000 |
| Sakri 132kV | 11/01/2020 06:30:00 | 27 | 21637.5 | 4662.5 | 6855.47 | 2192.97 | 10.14 | 0.00 | 4.105 | 0.000000 |
| Sakri 132kV | 11/01/2020 06:45:00 | 28 | 21637.5 | 4630.0 | 6811.72 | 2181.72 | 10.08 | 0.00 | 5.650 | 0.000000 |
| Sakri 132kV | 11/01/2020 07:00:00 | 29 | 21637.5 | 4635.0 | 6488.28 | 1853.28 | 8.57 | 0.00 | 3.300 | 0.000000 |
| Sakri 132kV | 11/01/2020 07:15:00 | 30 | 21637.5 | 4657.5 | 5375.78 | 718.28 | 3.32 | 0.00 | 5.314 | 0.000000 |
| Sakri 132kV | 11/01/2020 07:30:00 | 31 | 21637.5 | 4587.5 | 4454.69 | -132.81 | 0.61 | 0.00 | 2.964 | 0.000000 |
| Sakri 132kV | 11/01/2020 07:45:00 | 32 | 21637.5 | 4560.0 | 3085.94 | -1474.06 | 6.81 | 0.00 | 2.103 | 0.000000 |
| Sakri 132kV | 11/01/2020 08:00:00 | 33 | 21637.5 | 4565.0 | 2162.5 | -2402.5 | 11.1 | 0.00 | -1.577 | 0.000000 |
| Sakri 132kV | 11/01/2020 08:15:00 | 34 | 21637.5 | 4537.5 | 1563.28 | -2974.22 | 13.75 | 0.00 | 3.300 | 0.000000 |
| Sakri 132kV | 11/01/2020 08:30:00 | 35 | 21637.5 | 4532.5 | 1909.38 | -2623.12 | 12.12 | 0.00 | 2.116 | 0.000000 |
| Sakri 132kV | 11/01/2020 08:45:00 | 36 | 21637.5 | 4580.0 | 1865.62 | -2714.38 | 12.54 | 0.00 | 2.964 | 0.000000 |
| Sakri 132kV | 11/01/2020 09:00:00 | 37 | 21637.5 | 4412.5 | 1655.47 | -2757.03 | 12.74 | 0.00 | 6.681 | 0.000000 |
| Sakri 132kV | 11/01/2020 09:15:00 | 38 | 21637.5 | 4380.0 | 1491.41 | -2888.59 | 13.35 | 0.00 | 6.657 | 0.000000 |
| Sakri 132kV | 11/01/2020 09:30:00 | 39 | 21637.5 | 4315.0 | 1483.59 | -2831.41 | 13.09 | 0.00 | -6.322 | 0.000000 |
| Sakri 132kV | 11/01/2020 09:45:00 | 40 | 21637.5 | 4135.0 | 1337.5 | -2797.5 | 12.93 | 0.00 | -2.103 | 0.000000 |
| Sakri 132kV | 11/01/2020 10:00:00 | 41 | 21637.5 | 4130.0 | 1034.38 | -3095.62 | 14.31 | 0.00 | 0.526 | 0.000000 |
| Sakri 132kV | 11/01/2020 10:15:00 | 42 | 21637.5 | 3837.5 | 854.69 | -2982.81 | 13.79 | 0.00 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sakri 132kV | 11/01/2020 10:30:00 | 43 | 21637.5 | 2872.5 | 885.16 | -1987.34 | 9.18 | 0.00 | 0.000 | 0.000000 |
| Sakri 132kV | 11/01/2020 10:45:00 | 44 | 21637.5 | 2885.0 | 753.12 | -2131.88 | 9.85 | 0.00 | 0.000 | 0.000000 |
| Sakri 132kV | 11/01/2020 11:00:00 | 45 | 21637.5 | 2912.5 | 611.72 | -2300.78 | 10.63 | 0.00 | 0.000 | 0.000000 |
| Sakri 132kV | 11/01/2020 11:15:00 | 46 | 21637.5 | 2920.0 | 611.72 | -2308.28 | 10.67 | 0.00 | -2.964 | 0.000000 |
| Sakri 132kV | 11/01/2020 11:30:00 | 47 | 21637.5 | 2930.0 | 552.34 | -2377.66 | 10.99 | 0.00 | -4.307 | 0.000000 |
| Sakri 132kV | 11/01/2020 11:45:00 | 48 | 21637.5 | 2935.0 | 517.97 | -2417.03 | 11.17 | 0.00 | -3.300 | 0.000000 |
| Sakri 132kV | 11/01/2020 12:00:00 | 49 | 21637.5 | 2945.0 | 530.47 | -2414.53 | 11.16 | 0.00 | -0.526 | 0.000000 |
| Sakri 132kV | 11/01/2020 12:15:00 | 50 | 21637.5 | 2970.0 | 711.72 | -2258.28 | 10.44 | 0.00 | -2.103 | 0.000000 |
| Sakri 132kV | 11/01/2020 12:30:00 | 51 | 21637.5 | 2815.0 | 844.53 | -1970.47 | 9.11 | 0.00 | -2.629 | 0.000000 |
| Sakri 132kV | 11/01/2020 12:45:00 | 52 | 21637.5 | 2802.5 | 936.72 | -1865.78 | 8.62 | 0.00 | -2.629 | 0.000000 |
| Sakri 132kV | 11/01/2020 13:00:00 | 53 | 21637.5 | 2990.0 | 1117.19 | -1872.81 | 8.66 | 0.00 | 0.000 | 0.000000 |
| Sakri 132kV | 11/01/2020 13:15:00 | 54 | 21637.5 | 2927.5 | 1171.88 | -1755.62 | 8.11 | 0.00 | -2.103 | 0.000000 |
| Sakri 132kV | 11/01/2020 13:30:00 | 55 | 21637.5 | 2915.0 | 1202.34 | -1712.66 | 7.92 | 0.00 | 2.629 | 0.000000 |
| Sakri 132kV | 11/01/2020 13:45:00 | 56 | 21637.5 | 2900.0 | 1390.63 | -1509.37 | 6.98 | 0.00 | 2.103 | 0.000000 |
| Sakri 132kV | 11/01/2020 14:00:00 | 57 | 21637.5 | 2885.0 | 1379.69 | -1505.31 | 6.96 | 0.00 | 1.051 | 0.000000 |
| Sakri 132kV | 11/01/2020 14:15:00 | 58 | 21637.5 | 2872.5 | 870.31 | -2002.19 | 9.25 | 0.00 | 3.300 | 0.000000 |
| Sakri 132kV | 11/01/2020 14:30:00 | 59 | 21637.5 | 2690.0 | 588.28 | -2101.72 | 9.71 | 0.00 | -3.636 | 0.000000 |
| Sakri 132kV | 11/01/2020 14:45:00 | 60 | 21637.5 | 2677.5 | 501.56 | -2175.94 | 10.06 | 0.00 | 4.979 | 0.000000 |
| Sakri 132kV | 11/01/2020 15:00:00 | 61 | 21637.5 | 3662.5 | 371.09 | -3291.41 | 15.21 | 22.89 | -2.964 | 0.000000 |
| Sakri 132kV | 11/01/2020 15:15:00 | 62 | 21637.5 | 3627.5 | 145.31 | -3482.19 | 16.09 | 118.28 | -5.314 | 0.000000 |
| Sakri 132kV | 11/01/2020 15:30:00 | 63 | 21637.5 | 3597.5 | 25.78 | -3571.72 | 16.51 | 163.05 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sakri 132kV | 11/01/2020 15:45:00 | 64 | 21637.5 | 3560.0 | 73.44 | -3486.56 | 16.11 | 120.47 | 4.643 | 0.000000 |
| Sakri 132kV | 11/01/2020 16:00:00 | 65 | 21637.5 | 3990.0 | 114.06 | -3875.94 | 17.91 | 315.16 | 2.103 | 0.000000 |
| Sakri 132kV | 11/01/2020 16:15:00 | 66 | 21637.5 | 3927.5 | 92.19 | -3835.31 | 17.73 | 294.84 | -2.964 | 0.000000 |
| Sakri 132kV | 11/01/2020 16:30:00 | 67 | 21637.5 | 3915.0 | 161.72 | -3753.28 | 17.35 | 253.83 | -2.103 | 0.000000 |
| Sakri 132kV | 11/01/2020 16:45:00 | 68 | 21637.5 | 3900.0 | 247.66 | -3652.34 | 16.88 | 203.36 | 3.972 | 0.000000 |
| Sakri 132kV | 11/01/2020 17:00:00 | 69 | 21637.5 | 3885.0 | 423.44 | -3461.56 | 16.0 | 107.97 | -1.577 | 0.000000 |
| Sakri 132kV | 11/01/2020 17:15:00 | 70 | 21637.5 | 3872.5 | 528.13 | -3344.37 | 15.46 | 49.37 | -1.577 | 0.000000 |
| Sakri 132kV | 11/01/2020 17:30:00 | 71 | 21637.5 | 3885.0 | 650.78 | -3234.22 | 14.95 | 0.00 | 1.051 | 41.266527 |
| Sakri 132kV | 11/01/2020 17:45:00 | 72 | 21637.5 | 3912.5 | 992.19 | -2920.31 | 13.5 | 0.00 | -2.103 | 0.000000 |
| Sakri 132kV | 11/01/2020 18:00:00 | 73 | 21637.5 | 3920.0 | 1332.81 | -2587.19 | 11.96 | 0.00 | -2.964 | 0.000000 |
| Sakri 132kV | 11/01/2020 18:15:00 | 74 | 21637.5 | 3930.0 | 1389.84 | -2540.16 | 11.74 | 0.00 | -2.629 | 0.000000 |
| Sakri 132kV | 11/01/2020 18:30:00 | 75 | 21637.5 | 3935.0 | 1256.25 | -2678.75 | 12.38 | 0.00 | 2.103 | 94.164742 |
| Sakri 132kV | 11/01/2020 18:45:00 | 76 | 21637.5 | 3945.0 | 1036.72 | -2908.28 | 13.44 | 0.00 | 0.526 | 299.340043 |
| Sakri 132kV | 11/01/2020 19:00:00 | 77 | 21637.5 | 3970.0 | 821.09 | -3148.91 | 14.55 | 0.00 | 2.103 | 1287.263548 |
| Sakri 132kV | 11/01/2020 19:15:00 | 78 | 21637.5 | 3950.0 | 640.62 | -3309.38 | 15.29 | 31.88 | -1.052 | 0.000000 |
| Sakri 132kV | 11/01/2020 19:30:00 | 79 | 21637.5 | 3915.0 | 514.06 | -3400.94 | 15.72 | 77.66 | 2.964 | 0.000000 |
| Sakri 132kV | 11/01/2020 19:45:00 | 80 | 21637.5 | 3900.0 | 445.31 | -3454.69 | 15.97 | 104.53 | 2.629 | 2569.725942 |
| Sakri 132kV | 11/01/2020 20:00:00 | 81 | 21637.5 | 3885.0 | 367.97 | -3517.03 | 16.25 | 135.70 | 2.629 | 571.977105 |
| Sakri 132kV | 11/01/2020 20:15:00 | 82 | 21637.5 | 3990.0 | 399.22 | -3590.78 | 16.6 | 172.58 | 4.307 | 1925.646708 |
| Sakri 132kV | 11/01/2020 20:30:00 | 83 | 21637.5 | 3927.5 | 504.69 | -3422.81 | 15.82 | 88.59 | 2.964 | 4706.401847 |
| Sakri 132kV | 11/01/2020 20:45:00 | 84 | 21637.5 | 3915.0 | 563.28 | -3351.72 | 15.49 | 53.05 | 2.629 | 3956.044725 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sakri 132kV | 11/01/2020 21:00:00 | 85 | 21637.5 | 3900.0 | 694.53 | -3205.47 | 14.81 | 0.00 | 3.636 | 687.150302 |
| Sakri 132kV | 11/01/2020 21:15:00 | 86 | 21637.5 | 3885.0 | 785.94 | -3099.06 | 14.32 | 0.00 | -1.577 | 0.000000 |
| Sakri 132kV | 11/01/2020 21:30:00 | 87 | 21637.5 | 3872.5 | 869.53 | -3002.97 | 13.88 | 0.00 | -1.577 | 0.000000 |
| Sakri 132kV | 11/01/2020 21:45:00 | 88 | 21637.5 | 3885.0 | 950.0 | -2935.0 | 13.56 | 0.00 | -1.052 | 0.000000 |
| Sakri 132kV | 11/01/2020 22:00:00 | 89 | 21637.5 | 3912.5 | 876.56 | -3035.94 | 14.03 | 0.00 | -5.650 | 0.000000 |
| Sakri 132kV | 11/01/2020 22:15:00 | 90 | 21637.5 | 3920.0 | 800.78 | -3119.22 | 14.42 | 0.00 | -5.650 | 0.000000 |
| Sakri 132kV | 11/01/2020 22:30:00 | 91 | 21637.5 | 3930.0 | 839.06 | -3090.94 | 14.29 | 0.00 | 4.979 | 1490.317188 |
| Sakri 132kV | 11/01/2020 22:45:00 | 92 | 21637.5 | 3935.0 | 976.56 | -2958.44 | 13.67 | 0.00 | 2.964 | 1857.849653 |
| Sakri 132kV | 11/01/2020 23:00:00 | 93 | 21637.5 | 3945.0 | 1098.44 | -2846.56 | 13.16 | 0.00 | 1.577 | 445.110164 |
| Sakri 132kV | 11/01/2020 23:15:00 | 94 | 21637.5 | 3970.0 | 1017.19 | -2952.81 | 13.65 | 0.00 | 1.074 | 377.663518 |
| Sakri 132kV | 11/01/2020 23:30:00 | 95 | 21637.5 | 3885.0 | 1268.75 | -2616.25 | 12.09 | 0.00 | 2.113 | 1508.237795 |
| Sakri 132kV | 11/01/2020 23:45:00 | 96 | 21637.5 | 3872.5 | 1346.09 | -2526.41 | 11.68 | 0.00 | 2.162 | 1877.638899 |
| Sakri 132kV | 12/01/2020 00:00:00 | 1 | 21637.5 | 3220.0 | 1649.22 | -1570.78 | 7.26 | 0.00 | 3.022 | 966.136284 |
| Sakri 132kV | 12/01/2020 00:15:00 | 2 | 21637.5 | 3222.5 | 1399.22 | -1823.28 | 8.43 | 0.00 | -2.152 | 0.000000 |
| Sakri 132kV | 12/01/2020 00:30:00 | 3 | 21637.5 | 3215.0 | 1164.06 | -2050.94 | 9.48 | 0.00 | -2.152 | 0.000000 |
| Sakri 132kV | 12/01/2020 00:45:00 | 4 | 21637.5 | 3225.0 | 1158.59 | -2066.41 | 9.55 | 0.00 | -3.022 | 0.000000 |
| Sakri 132kV | 12/01/2020 01:00:00 | 5 | 21637.5 | 3242.5 | 1096.09 | -2146.41 | 9.92 | 0.00 | -0.629 | 0.000000 |
| Sakri 132kV | 12/01/2020 01:15:00 | 6 | 21637.5 | 3235.0 | 1117.19 | -2117.81 | 9.79 | 0.00 | -3.317 | 0.000000 |
| Sakri 132kV | 12/01/2020 01:30:00 | 7 | 21637.5 | 3227.5 | 1121.09 | -2106.41 | 9.73 | 0.00 | -3.354 | 0.000000 |
| Sakri 132kV | 12/01/2020 01:45:00 | 8 | 21637.5 | 3242.5 | 953.12 | -2289.38 | 10.58 | 0.00 | -3.022 | 0.000000 |
| Sakri 132kV | 12/01/2020 02:00:00 | 9 | 21637.5 | 3237.5 | 969.53 | -2267.97 | 10.48 | 0.00 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sakri 132kV | 12/01/2020 02:15:00 | 10 | 21637.5 | 3225.0 | 971.88 | -2253.12 | 10.41 | 0.00 | -3.022 | 0.000000 |
| Sakri 132kV | 12/01/2020 02:30:00 | 11 | 21637.5 | 3830.0 | 907.81 | -2922.19 | 13.51 | 0.00 | -2.690 | 0.000000 |
| Sakri 132kV | 12/01/2020 02:45:00 | 12 | 21637.5 | 3802.5 | 746.87 | -3055.63 | 14.12 | 0.00 | -3.022 | 0.000000 |
| Sakri 132kV | 12/01/2020 03:00:00 | 13 | 21637.5 | 3807.5 | 714.06 | -3093.44 | 14.3 | 0.00 | 3.354 | 1464.703775 |
| Sakri 132kV | 12/01/2020 03:15:00 | 14 | 21637.5 | 3830.0 | 696.1 | -3133.9 | 14.48 | 0.00 | 3.022 | 1819.745992 |
| Sakri 132kV | 12/01/2020 03:30:00 | 15 | 21637.5 | 3655.0 | 709.37 | -2945.63 | 13.61 | 0.00 | 3.354 | 634.399198 |
| Sakri 132kV | 12/01/2020 03:45:00 | 16 | 21637.5 | 3557.5 | 659.38 | -2898.12 | 13.39 | 0.00 | 2.152 | 0.000000 |
| Sakri 132kV | 12/01/2020 04:00:00 | 17 | 21637.5 | 3552.5 | 727.34 | -2825.16 | 13.06 | 0.00 | -2.152 | 0.000000 |
| Sakri 132kV | 12/01/2020 04:15:00 | 18 | 21637.5 | 3405.0 | 719.53 | -2685.47 | 12.41 | 0.00 | -3.022 | 0.000000 |
| Sakri 132kV | 12/01/2020 04:30:00 | 19 | 21637.5 | 3337.5 | 742.19 | -2595.31 | 11.99 | 0.00 | 1.076 | 0.000000 |
| Sakri 132kV | 12/01/2020 04:45:00 | 20 | 21637.5 | 3302.5 | 567.19 | -2735.31 | 12.64 | 0.00 | -3.022 | 0.000000 |
| Sakri 132kV | 12/01/2020 05:00:00 | 21 | 21637.5 | 3330.0 | 304.69 | -3025.31 | 13.98 | 0.00 | 3.686 | 0.000000 |
| Sakri 132kV | 12/01/2020 05:15:00 | 22 | 21637.5 | 3130.0 | 223.44 | -2906.56 | 13.43 | 0.00 | 3.686 | 3206.722093 |
| Sakri 132kV | 12/01/2020 05:30:00 | 23 | 21637.5 | 3080.0 | 143.75 | -2936.25 | 13.57 | 0.00 | -1.614 | 0.000000 |
| Sakri 132kV | 12/01/2020 05:45:00 | 24 | 21637.5 | 2885.0 | 64.06 | -2820.94 | 13.04 | 0.00 | -0.496 | 0.000000 |
| Sakri 132kV | 12/01/2020 06:00:00 | 25 | 21637.5 | 2990.0 | 87.5 | -2902.5 | 13.41 | 0.00 | 0.000 | 0.000000 |
| Sakri 132kV | 12/01/2020 06:15:00 | 26 | 21637.5 | 2927.5 | 139.06 | -2788.44 | 12.89 | 0.00 | -0.430 | 0.000000 |
| Sakri 132kV | 12/01/2020 06:30:00 | 27 | 21637.5 | 2915.0 | 143.75 | -2771.25 | 12.81 | 0.00 | -2.152 | 0.000000 |
| Sakri 132kV | 12/01/2020 06:45:00 | 28 | 21637.5 | 2900.0 | 226.56 | -2673.44 | 12.36 | 0.00 | 4.681 | 0.000000 |
| Sakri 132kV | 12/01/2020 07:00:00 | 29 | 21637.5 | 2885.0 | 391.41 | -2493.59 | 11.52 | 0.00 | 1.614 | 0.000000 |
| Sakri 132kV | 12/01/2020 07:15:00 | 30 | 21637.5 | 2872.5 | 439.06 | -2433.44 | 11.25 | 0.00 | 3.838 | 2014.052229 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sakri 132kV | 12/01/2020 07:30:00 | 31 | 21637.5 | 2885.0 | 478.12 | -2406.88 | 11.12 | 0.00 | 3.022 | 0.000000 |
| Sakri 132kV | 12/01/2020 07:45:00 | 32 | 21637.5 | 2912.5 | 541.41 | -2371.09 | 10.96 | 0.00 | 2.690 | 0.000000 |
| Sakri 132kV | 12/01/2020 08:00:00 | 33 | 21637.5 | 2920.0 | 872.66 | -2047.34 | 9.46 | 0.00 | -2.690 | 0.000000 |
| Sakri 132kV | 12/01/2020 08:15:00 | 34 | 21637.5 | 2930.0 | 998.44 | -1931.56 | 8.93 | 0.00 | -4.018 | 0.000000 |
| Sakri 132kV | 12/01/2020 08:30:00 | 35 | 21637.5 | 2935.0 | 849.22 | -2085.78 | 9.64 | 0.00 | -2.690 | 0.000000 |
| Sakri 132kV | 12/01/2020 08:45:00 | 36 | 21637.5 | 2945.0 | 1073.44 | -1871.56 | 8.65 | 0.00 | 3.022 | 0.000000 |
| Sakri 132kV | 12/01/2020 09:00:00 | 37 | 21637.5 | 2970.0 | 928.91 | -2041.09 | 9.43 | 0.00 | -3.354 | 0.000000 |
| Sakri 132kV | 12/01/2020 09:15:00 | 38 | 21637.5 | 2885.0 | 617.19 | -2267.81 | 10.48 | 0.00 | -4.350 | 0.000000 |
| Sakri 132kV | 12/01/2020 09:30:00 | 39 | 21637.5 | 2872.5 | 189.84 | -2682.66 | 12.4 | 0.00 | 2.152 | 0.000000 |
| Sakri 132kV | 12/01/2020 09:45:00 | 40 | 21637.5 | 2872.5 | 103.12 | -2769.38 | 12.8 | 0.00 | -2.690 | 0.000000 |
| Sakri 132kV | 12/01/2020 10:00:00 | 41 | 21637.5 | 2885.0 | 32.03 | -2852.97 | 13.19 | 0.00 | -3.354 | 0.000000 |
| Sakri 132kV | 12/01/2020 10:15:00 | 42 | 21637.5 | 2912.5 | 38.28 | -2874.22 | 13.28 | 0.00 | -3.686 | 0.000000 |
| Sakri 132kV | 12/01/2020 10:30:00 | 43 | 21637.5 | 2420.0 | 121.88 | -2298.12 | 10.62 | 0.00 | -1.614 | 0.000000 |
| Sakri 132kV | 12/01/2020 10:45:00 | 44 | 21637.5 | 2430.0 | 91.41 | -2338.59 | 10.81 | 0.00 | 3.686 | 0.000000 |
| Sakri 132kV | 12/01/2020 11:00:00 | 45 | 21637.5 | 2435.0 | 105.47 | -2329.53 | 10.77 | 0.00 | -3.354 | 0.000000 |
| Sakri 132kV | 12/01/2020 11:15:00 | 46 | 21637.5 | 2445.0 | 257.03 | -2187.97 | 10.11 | 0.00 | -5.450 | 0.000000 |
| Sakri 132kV | 12/01/2020 11:30:00 | 47 | 21637.5 | 2470.0 | 280.47 | -2189.53 | 10.12 | 0.00 | -6.009 | 0.000000 |
| Sakri 132kV | 12/01/2020 11:45:00 | 48 | 21637.5 | 2450.0 | 157.81 | -2292.19 | 10.59 | 0.00 | 2.690 | 0.000000 |
| Sakri 132kV | 12/01/2020 12:00:00 | 49 | 21637.5 | 2415.0 | 188.28 | -2226.72 | 10.29 | 0.00 | 3.686 | 0.000000 |
| Sakri 132kV | 12/01/2020 12:15:00 | 50 | 21637.5 | 2400.0 | 145.31 | -2254.69 | 10.42 | 0.00 | -5.345 | 0.000000 |
| Sakri 132kV | 12/01/2020 12:30:00 | 51 | 21637.5 | 2385.0 | 112.5 | -2272.5 | 10.5 | 0.00 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sakri 132kV | 12/01/2020 12:45:00 | 52 | 21637.5 | 2490.0 | 20.31 | -2469.69 | 11.41 | 0.00 | -5.345 | 0.000000 |
| Sakri 132kV | 12/01/2020 13:00:00 | 53 | 21637.5 | 2427.5 | 10.94 | -2416.56 | 11.17 | 0.00 | -3.999 | 0.000000 |
| Sakri 132kV | 12/01/2020 13:15:00 | 54 | 21637.5 | 2415.0 | 6.25 | -2408.75 | 11.13 | 0.00 | -4.350 | 0.000000 |
| Sakri 132kV | 12/01/2020 13:30:00 | 55 | 21637.5 | 2400.0 | 1.56 | -2398.44 | 11.08 | 0.00 | -1.076 | 0.000000 |
| Sakri 132kV | 12/01/2020 13:45:00 | 56 | 21637.5 | 2385.0 | 0.0 | -2385.0 | 11.02 | 0.00 | -2.690 | 0.000000 |
| Sakri 132kV | 12/01/2020 14:00:00 | 57 | 21637.5 | 2372.5 | 1.56 | -2370.94 | 10.96 | 0.00 | -0.538 | 0.000000 |
| Sakri 132kV | 12/01/2020 14:15:00 | 58 | 21637.5 | 2385.0 | 0.78 | -2384.22 | 11.02 | 0.00 | -2.152 | 0.000000 |
| Sakri 132kV | 12/01/2020 14:30:00 | 59 | 21637.5 | 2412.5 | 0.0 | -2412.5 | 11.15 | 0.00 | -2.690 | 0.000000 |
| Sakri 132kV | 12/01/2020 14:45:00 | 60 | 21637.5 | 2420.0 | 0.0 | -2420.0 | 11.18 | 0.00 | -1.076 | 0.000000 |
| Sakri 132kV | 12/01/2020 15:00:00 | 61 | 21637.5 | 2430.0 | 0.78 | -2429.22 | 11.23 | 0.00 | 0.000 | 0.000000 |
| Sakri 132kV | 12/01/2020 15:15:00 | 62 | 21637.5 | 2435.0 | 10.94 | -2424.06 | 11.2 | 0.00 | -2.690 | 0.000000 |
| Sakri 132kV | 12/01/2020 15:30:00 | 63 | 21637.5 | 2445.0 | 13.28 | -2431.72 | 11.24 | 0.00 | -3.022 | 0.000000 |
| Sakri 132kV | 12/01/2020 15:45:00 | 64 | 21637.5 | 2470.0 | 14.84 | -2455.16 | 11.35 | 0.00 | -3.686 | 0.000000 |
| Sakri 132kV | 12/01/2020 16:00:00 | 65 | 21637.5 | 2385.0 | 64.84 | -2320.16 | 10.72 | 0.00 | -3.737 | 0.000000 |
| Sakri 132kV | 12/01/2020 16:15:00 | 66 | 21637.5 | 2372.5 | 293.75 | -2078.75 | 9.61 | 0.00 | -5.786 | 0.000000 |
| Sakri 132kV | 12/01/2020 16:30:00 | 67 | 21637.5 | 2372.5 | 529.69 | -1842.81 | 8.52 | 0.00 | -4.350 | 0.000000 |
| Sakri 132kV | 12/01/2020 16:45:00 | 68 | 21637.5 | 2385.0 | 689.06 | -1695.94 | 7.84 | 0.00 | -1.614 | 0.000000 |
| Sakri 132kV | 12/01/2020 17:00:00 | 69 | 21637.5 | 2412.5 | 761.72 | -1650.78 | 7.63 | 0.00 | 0.000 | 0.000000 |
| Sakri 132kV | 12/01/2020 17:15:00 | 70 | 21637.5 | 2420.0 | 626.56 | -1793.44 | 8.29 | 0.00 | 2.690 | 464.956036 |
| Sakri 132kV | 12/01/2020 17:30:00 | 71 | 21637.5 | 2430.0 | 376.56 | -2053.44 | 9.49 | 0.00 | -3.022 | 0.000000 |
| Sakri 132kV | 12/01/2020 17:45:00 | 72 | 21637.5 | 2435.0 | 281.25 | -2153.75 | 9.95 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sakri 132kV | 12/01/2020 18:00:00 | 73 | 21637.5 | 2445.0 | 130.47 | -2314.53 | 10.7 | 0.00 | -0.538 | 0.000000 |
| Sakri 132kV | 12/01/2020 18:15:00 | 74 | 21637.5 | 2470.0 | 21.88 | -2448.12 | 11.31 | 0.00 | -4.350 | 0.000000 |
| Sakri 132kV | 12/01/2020 18:30:00 | 75 | 21637.5 | 2450.0 | 0.0 | -2450.0 | 11.32 | 0.00 | 2.690 | 421.314623 |
| Sakri 132kV | 12/01/2020 18:45:00 | 76 | 21637.5 | 2415.0 | 0.0 | -2415.0 | 11.16 | 0.00 | 3.022 | 2675.496974 |
| Sakri 132kV | 12/01/2020 19:00:00 | 77 | 21637.5 | 2400.0 | 0.0 | -2400.0 | 11.09 | 0.00 | 3.686 | 854.056836 |
| Sakri 132kV | 12/01/2020 19:15:00 | 78 | 21637.5 | 2385.0 | 0.0 | -2385.0 | 11.02 | 0.00 | 2.690 | 50.378488 |
| Sakri 132kV | 12/01/2020 19:30:00 | 79 | 21637.5 | 2490.0 | 0.0 | -2490.0 | 11.51 | 0.00 | -3.022 | 0.000000 |
| Sakri 132kV | 12/01/2020 19:45:00 | 80 | 21637.5 | 2427.5 | 0.0 | -2427.5 | 11.22 | 0.00 | -1.781 | 0.000000 |
| Sakri 132kV | 12/01/2020 20:00:00 | 81 | 21637.5 | 2415.0 | 0.0 | -2415.0 | 11.16 | 0.00 | -3.021 | 0.000000 |
| Sakri 132kV | 12/01/2020 20:15:00 | 82 | 21637.5 | 2400.0 | 5.47 | -2394.53 | 11.07 | 0.00 | -4.018 | 0.000000 |
| Sakri 132kV | 12/01/2020 20:30:00 | 83 | 21637.5 | 2385.0 | 2.34 | -2382.66 | 11.01 | 0.00 | -3.354 | 0.000000 |
| Sakri 132kV | 12/01/2020 20:45:00 | 84 | 21637.5 | 2372.5 | 0.0 | -2372.5 | 10.96 | 0.00 | -1.614 | 0.000000 |
| Sakri 132kV | 12/01/2020 21:00:00 | 85 | 21637.5 | 2385.0 | 0.0 | -2385.0 | 11.02 | 0.00 | -4.350 | 0.000000 |
| Sakri 132kV | 12/01/2020 21:15:00 | 86 | 21637.5 | 2412.5 | 0.0 | -2412.5 | 11.15 | 0.00 | -3.686 | 0.000000 |
| Sakri 132kV | 12/01/2020 21:30:00 | 87 | 21637.5 | 2420.0 | 0.0 | -2420.0 | 11.18 | 0.00 | -1.614 | 0.000000 |
| Sakri 132kV | 12/01/2020 21:45:00 | 88 | 21637.5 | 2430.0 | 0.0 | -2430.0 | 11.23 | 0.00 | 0.000 | 0.000000 |
| Sakri 132kV | 12/01/2020 22:00:00 | 89 | 21637.5 | 2435.0 | 0.0 | -2435.0 | 11.25 | 0.00 | -3.354 | 0.000000 |
| Sakri 132kV | 12/01/2020 22:15:00 | 90 | 21637.5 | 2445.0 | 0.0 | -2445.0 | 11.3 | 0.00 | 4.350 | 2985.224663 |
| Sakri 132kV | 12/01/2020 22:30:00 | 91 | 21637.5 | 2470.0 | 0.0 | -2470.0 | 11.42 | 0.00 | 5.215 | 5687.512431 |
| Sakri 132kV | 12/01/2020 22:45:00 | 92 | 21637.5 | 2385.0 | 0.0 | -2385.0 | 11.02 | 0.00 | 3.022 | 537.602085 |
| Sakri 132kV | 12/01/2020 23:00:00 | 93 | 21637.5 | 2372.5 | 0.0 | -2372.5 | 10.96 | 0.00 | 3.022 | 1171.356814 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sakri 132kV | 12/01/2020 23:15:00 | 94 | 21637.5 | 2372.5 | 0.0 | -2372.5 | 10.96 | 0.00 | 2.152 | 1166.339098 |
| Sakri 132kV | 12/01/2020 23:30:00 | 95 | 21637.5 | 2385.0 | 0.0 | -2385.0 | 11.02 | 0.00 | 2.152 | 674.714206 |
| Sakri 132kV | 12/01/2020 23:45:00 | 96 | 21637.5 | 2412.5 | 0.0 | -2412.5 | 11.15 | 0.00 | 2.152 | 784.179770 |
| Savlaj 110 kV | 06/01/2020 00:00:00 | 1 | 5937.5 | 717.5 | 825.0 | 107.5 | 1.81 | 0.00 | 2.903 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 00:15:00 | 2 | 5937.5 | 685.0 | 882.03 | 197.03 | 3.32 | 0.00 | 0.000 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 00:30:00 | 3 | 5937.5 | 672.5 | 857.03 | 184.53 | 3.11 | 0.00 | 0.000 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 00:45:00 | 4 | 5937.5 | 690.0 | 832.81 | 142.81 | 2.41 | 0.00 | -0.984 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 01:00:00 | 5 | 5937.5 | 605.0 | 769.53 | 164.53 | 2.77 | 0.00 | -3.541 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 01:15:00 | 6 | 5937.5 | 687.5 | 824.22 | 136.72 | 2.3 | 0.00 | 3.222 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 01:30:00 | 7 | 5937.5 | 570.0 | 854.69 | 284.69 | 4.79 | 0.00 | 3.541 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 01:45:00 | 8 | 5937.5 | 485.0 | 825.78 | 340.78 | 5.74 | 0.00 | 2.352 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 02:00:00 | 9 | 5937.5 | 552.5 | 826.56 | 274.06 | 4.62 | 0.00 | 1.747 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 02:15:00 | 10 | 5937.5 | 535.0 | 779.69 | 244.69 | 4.12 | 0.00 | 0.581 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 02:30:00 | 11 | 5937.5 | 607.5 | 591.41 | -16.09 | 0.27 | 0.00 | -2.323 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 02:45:00 | 12 | 5937.5 | 502.5 | 525.78 | 23.28 | 0.39 | 0.00 | 2.323 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 03:00:00 | 13 | 5937.5 | 600.0 | 449.22 | -150.78 | 2.54 | 0.00 | 2.323 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 03:15:00 | 14 | 5937.5 | 615.0 | 372.66 | -242.34 | 4.08 | 0.00 | -1.742 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 03:30:00 | 15 | 5937.5 | 455.0 | 408.59 | -46.41 | 0.78 | 0.00 | 3.222 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 03:45:00 | 16 | 5937.5 | 495.0 | 325.0 | -170.0 | 2.86 | 0.00 | 3.541 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 04:00:00 | 17 | 5937.5 | 555.0 | 353.12 | -201.88 | 3.4 | 0.00 | 4.496 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 04:15:00 | 18 | 5937.5 | 682.5 | 462.5 | -220.0 | 3.71 | 0.00 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Savlaj 110 kV | 06/01/2020 04:30:00 | 19 | 5937.5 | 527.5 | 467.19 | -60.31 | 1.02 | 0.00 | 3.859 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 04:45:00 | 20 | 5937.5 | 1962.5 | 411.72 | -1550.78 | 26.12 | 363.28 | 4.815 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 05:00:00 | 21 | 5937.5 | 2035.0 | 385.94 | -1649.06 | 27.77 | 461.56 | 3.859 | 723.246259 |
| Savlaj 110 kV | 06/01/2020 05:15:00 | 22 | 5937.5 | 2032.5 | 428.12 | -1604.38 | 27.02 | 416.88 | 6.407 | 1270.322611 |
| Savlaj 110 kV | 06/01/2020 05:30:00 | 23 | 5937.5 | 2037.5 | 442.19 | -1595.31 | 26.87 | 407.81 | 6.496 | 1869.972634 |
| Savlaj 110 kV | 06/01/2020 05:45:00 | 24 | 5937.5 | 2025.0 | 431.25 | -1593.75 | 26.84 | 406.25 | 7.492 | 1009.562549 |
| Savlaj 110 kV | 06/01/2020 06:00:00 | 25 | 5937.5 | 1960.0 | 435.16 | -1524.84 | 25.68 | 337.34 | -5.452 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 06:15:00 | 26 | 5937.5 | 1927.5 | 450.0 | -1477.5 | 24.88 | 293.44 | -6.089 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 06:30:00 | 27 | 5937.5 | 1917.5 | 422.66 | -1494.84 | 25.18 | 307.34 | -7.044 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 06:45:00 | 28 | 5937.5 | 1895.0 | 279.69 | -1615.31 | 27.21 | 427.81 | 7.682 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 07:00:00 | 29 | 5937.5 | 1862.5 | 275.78 | -1586.72 | 26.72 | 399.22 | -3.859 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 07:15:00 | 30 | 5937.5 | 1832.5 | 414.06 | -1418.44 | 23.89 | 263.91 | 4.815 | 704.281167 |
| Savlaj 110 kV | 06/01/2020 07:30:00 | 31 | 5937.5 | 1910.0 | 446.09 | -1463.91 | 24.66 | 286.64 | 4.178 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 07:45:00 | 32 | 5937.5 | 1855.0 | 462.5 | -1392.5 | 23.45 | 250.94 | -3.540 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 08:00:00 | 33 | 5937.5 | 1862.5 | 434.38 | -1428.12 | 24.05 | 268.75 | -3.859 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 08:15:00 | 34 | 5937.5 | 1815.0 | 426.56 | -1388.44 | 23.38 | 248.91 | -5.452 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 08:30:00 | 35 | 5937.5 | 1795.0 | 380.47 | -1414.53 | 23.82 | 261.95 | 4.178 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 08:45:00 | 36 | 5937.5 | 1767.5 | 266.41 | -1501.09 | 25.28 | 313.59 | -3.859 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 09:00:00 | 37 | 5937.5 | 1910.0 | 199.22 | -1710.78 | 28.81 | 523.28 | -6.407 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 09:15:00 | 38 | 5937.5 | 1900.0 | 135.94 | -1764.06 | 29.71 | 576.56 | -8.000 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 09:30:00 | 39 | 5937.5 | 1402.5 | 129.69 | -1272.81 | 21.44 | 191.09 | -5.770 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Savlaj 110 kV | 06/01/2020 09:45:00 | 40 | 5937.5 | 1370.0 | 136.72 | -1233.28 | 20.77 | 171.33 | 3.222 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 10:00:00 | 41 | 5937.5 | 1235.0 | 164.84 | -1070.16 | 18.02 | 89.77 | -2.903 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 10:15:00 | 42 | 5937.5 | 1190.0 | 165.62 | -1024.38 | 17.25 | 66.88 | -3.222 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 10:30:00 | 43 | 5937.5 | 1035.0 | 131.25 | -903.75 | 15.22 | 6.56 | 4.815 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 10:45:00 | 44 | 5937.5 | 962.5 | 112.5 | -850.0 | 14.32 | 0.00 | 4.496 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 11:00:00 | 45 | 5937.5 | 895.0 | 124.22 | -770.78 | 12.98 | 0.00 | 16.000 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 11:15:00 | 46 | 5937.5 | 900.0 | 107.81 | -792.19 | 13.34 | 0.00 | 5.133 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 11:30:00 | 47 | 5937.5 | 875.0 | 104.69 | -770.31 | 12.97 | 0.00 | 1.182 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 11:45:00 | 48 | 5937.5 | 882.5 | 104.69 | -777.81 | 13.1 | 0.00 | 6.308 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 12:00:00 | 49 | 5937.5 | 942.5 | 125.0 | -817.5 | 13.77 | 0.00 | 6.598 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 12:15:00 | 50 | 5937.5 | 855.0 | 116.41 | -738.59 | 12.44 | 0.00 | 5.431 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 12:30:00 | 51 | 5937.5 | 840.0 | 121.88 | -718.12 | 12.09 | 0.00 | 3.540 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 12:45:00 | 52 | 5937.5 | 815.0 | 145.31 | -669.69 | 11.28 | 0.00 | -2.903 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 13:00:00 | 53 | 5937.5 | 835.0 | 129.69 | -705.31 | 11.88 | 0.00 | -1.161 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 13:15:00 | 54 | 5937.5 | 835.0 | 124.22 | -710.78 | 11.97 | 0.00 | 3.859 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 13:30:00 | 55 | 5937.5 | 832.5 | 102.34 | -730.16 | 12.3 | 0.00 | -6.407 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 13:45:00 | 56 | 5937.5 | 810.0 | 124.22 | -685.78 | 11.55 | 0.00 | 5.452 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 14:00:00 | 57 | 5937.5 | 787.5 | 134.38 | -653.12 | 11.0 | 0.00 | 5.452 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 14:15:00 | 58 | 5937.5 | 762.5 | 113.28 | -649.22 | 10.93 | 0.00 | 16.000 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 14:30:00 | 59 | 5937.5 | 790.0 | 72.66 | -717.34 | 12.08 | 0.00 | 6.035 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 14:45:00 | 60 | 5937.5 | 847.5 | 43.75 | -803.75 | 13.54 | 0.00 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Savlaj 110 kV | 06/01/2020 15:00:00 | 61 | 5937.5 | 847.5 | 84.38 | -763.12 | 12.85 | 0.00 | 3.367 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 15:15:00 | 62 | 5937.5 | 887.5 | 17.97 | -869.53 | 14.64 | 0.00 | 3.904 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 15:30:00 | 63 | 5937.5 | 815.0 | 87.5 | -727.5 | 12.25 | 0.00 | 4.482 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 15:45:00 | 64 | 5937.5 | 807.5 | 78.91 | -728.59 | 12.27 | 0.00 | 4.225 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 16:00:00 | 65 | 5937.5 | 765.0 | 82.03 | -682.97 | 11.5 | 0.00 | 2.895 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 16:15:00 | 66 | 5937.5 | 792.5 | 110.94 | -681.56 | 11.48 | 0.00 | 6.089 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 16:30:00 | 67 | 5937.5 | 792.5 | 94.53 | -697.97 | 11.76 | 0.00 | -8.000 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 16:45:00 | 68 | 5937.5 | 857.5 | 62.5 | -795.0 | 13.39 | 0.00 | -4.178 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 17:00:00 | 69 | 5937.5 | 830.0 | 57.81 | -772.19 | 13.01 | 0.00 | 1.742 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 17:15:00 | 70 | 5937.5 | 825.0 | 10.16 | -814.84 | 13.72 | 0.00 | 2.903 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 17:30:00 | 71 | 5937.5 | 790.0 | 10.94 | -779.06 | 13.12 | 0.00 | -4.178 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 17:45:00 | 72 | 5937.5 | 815.0 | 3.12 | -811.88 | 13.67 | 0.00 | -2.323 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 18:00:00 | 73 | 5937.5 | 797.5 | 0.0 | -797.5 | 13.43 | 0.00 | -2.903 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 18:15:00 | 74 | 5937.5 | 805.0 | 0.0 | -805.0 | 13.56 | 0.00 | 1.161 | 209.347888 |
| Savlaj 110 kV | 06/01/2020 18:30:00 | 75 | 8112.5 | 892.5 | 0.0 | -892.5 | 11.0 | 0.00 | 2.903 | 760.172252 |
| Savlaj 110 kV | 06/01/2020 18:45:00 | 76 | 8112.5 | 885.0 | 0.0 | -885.0 | 10.91 | 0.00 | 2.903 | 17.844450 |
| Savlaj 110 kV | 06/01/2020 19:00:00 | 77 | 8112.5 | 900.0 | 0.0 | -900.0 | 11.09 | 0.00 | -1.161 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 19:15:00 | 78 | 8112.5 | 902.5 | 0.0 | -902.5 | 11.12 | 0.00 | -4.178 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 19:30:00 | 79 | 8112.5 | 930.0 | 0.78 | -929.22 | 11.45 | 0.00 | -2.323 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 19:45:00 | 80 | 8112.5 | 905.0 | 0.0 | -905.0 | 11.16 | 0.00 | -4.178 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 20:00:00 | 81 | 8112.5 | 937.5 | 0.0 | -937.5 | 11.56 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Savlaj 110 kV | 06/01/2020 20:15:00 | 82 | 8112.5 | 930.0 | 16.41 | -913.59 | 11.26 | 0.00 | -5.770 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 20:30:00 | 83 | 8112.5 | 927.5 | 32.81 | -894.69 | 11.03 | 0.00 | 5.770 | 121.904356 |
| Savlaj 110 kV | 06/01/2020 20:45:00 | 84 | 8112.5 | 935.0 | 40.62 | -894.38 | 11.02 | 0.00 | 4.178 | 369.873844 |
| Savlaj 110 kV | 06/01/2020 21:00:00 | 85 | 8112.5 | 1000.0 | 67.19 | -932.81 | 11.5 | 0.00 | 3.222 | 204.077801 |
| Savlaj 110 kV | 06/01/2020 21:15:00 | 86 | 8112.5 | 995.0 | 69.53 | -925.47 | 11.41 | 0.00 | -1.742 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 21:30:00 | 87 | 8112.5 | 1020.0 | 57.81 | -962.19 | 11.86 | 0.00 | 0.000 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 21:45:00 | 88 | 8112.5 | 1052.5 | 71.09 | -981.41 | 12.1 | 0.00 | 1.161 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 22:00:00 | 89 | 8112.5 | 1107.5 | 81.25 | -1026.25 | 12.65 | 0.00 | 4.815 | 600.897147 |
| Savlaj 110 kV | 06/01/2020 22:15:00 | 90 | 8112.5 | 1157.5 | 104.69 | -1052.81 | 12.98 | 0.00 | 3.859 | 636.003649 |
| Savlaj 110 kV | 06/01/2020 22:30:00 | 91 | 8112.5 | 1222.5 | 105.47 | -1117.03 | 13.77 | 0.00 | 1.742 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 22:45:00 | 92 | 8112.5 | 1250.0 | 92.19 | -1157.81 | 14.27 | 0.00 | -2.323 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 23:00:00 | 93 | 8112.5 | 1277.5 | 104.69 | -1172.81 | 14.46 | 0.00 | -2.903 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 23:15:00 | 94 | 8112.5 | 1317.5 | 110.94 | -1206.56 | 14.87 | 0.00 | 2.323 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 23:30:00 | 95 | 8112.5 | 1387.5 | 105.47 | -1282.03 | 15.8 | 32.58 | -3.222 | 0.000000 |
| Savlaj 110 kV | 06/01/2020 23:45:00 | 96 | 8112.5 | 1425.0 | 116.41 | -1308.59 | 16.13 | 45.86 | 2.323 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 00:00:00 | 1 | 8112.5 | 1687.5 | 134.38 | -1553.12 | 19.14 | 168.12 | -0.549 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 00:15:00 | 2 | 8112.5 | 1697.5 | 131.25 | -1566.25 | 19.31 | 174.69 | -1.647 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 00:30:00 | 3 | 8112.5 | 1717.5 | 92.97 | -1624.53 | 20.03 | 203.83 | -3.073 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 00:45:00 | 4 | 8112.5 | 1767.5 | 128.91 | -1638.59 | 20.2 | 210.86 | -2.744 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 01:00:00 | 5 | 8112.5 | 1715.0 | 159.38 | -1555.62 | 19.18 | 169.37 | -4.058 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 01:15:00 | 6 | 8112.5 | 1830.0 | 124.22 | -1705.78 | 21.03 | 244.45 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Savlaj 110 kV | 07/01/2020 01:30:00 | 7 | 8112.5 | 1720.0 | 91.41 | -1628.59 | 20.08 | 205.86 | -3.401 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 01:45:00 | 8 | 8112.5 | 1642.5 | 132.81 | -1509.69 | 18.61 | 146.41 | 3.730 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 02:00:00 | 9 | 8112.5 | 1717.5 | 148.44 | -1569.06 | 19.34 | 176.09 | 3.073 | 341.596050 |
| Savlaj 110 kV | 07/01/2020 02:15:00 | 10 | 8112.5 | 1705.0 | 109.38 | -1595.62 | 19.67 | 189.37 | 3.073 | 155.333091 |
| Savlaj 110 kV | 07/01/2020 02:30:00 | 11 | 8112.5 | 1760.0 | 96.09 | -1663.91 | 20.51 | 223.52 | 3.401 | 226.561419 |
| Savlaj 110 kV | 07/01/2020 02:45:00 | 12 | 8112.5 | 1637.5 | 95.31 | -1542.19 | 19.01 | 162.66 | 2.745 | 209.439171 |
| Savlaj 110 kV | 07/01/2020 03:00:00 | 13 | 8112.5 | 1142.5 | 86.72 | -1055.78 | 13.01 | 0.00 | 1.647 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 03:15:00 | 14 | 8112.5 | 1135.0 | 95.31 | -1039.69 | 12.82 | 0.00 | 2.196 | 66.698900 |
| Savlaj 110 kV | 07/01/2020 03:30:00 | 15 | 8112.5 | 1102.5 | 61.72 | -1040.78 | 12.83 | 0.00 | 1.647 | 88.831271 |
| Savlaj 110 kV | 07/01/2020 03:45:00 | 16 | 8112.5 | 1095.0 | 79.69 | -1015.31 | 12.52 | 0.00 | 1.098 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 04:00:00 | 17 | 8112.5 | 1095.0 | 91.41 | -1003.59 | 12.37 | 0.00 | 1.647 | 367.514586 |
| Savlaj 110 kV | 07/01/2020 04:15:00 | 18 | 8112.5 | 1102.5 | 86.72 | -1015.78 | 12.52 | 0.00 | 2.210 | 727.255931 |
| Savlaj 110 kV | 07/01/2020 04:30:00 | 19 | 8112.5 | 1077.5 | 91.41 | -986.09 | 12.16 | 0.00 | 3.730 | 996.928836 |
| Savlaj 110 kV | 07/01/2020 04:45:00 | 20 | 8112.5 | 1097.5 | 92.19 | -1005.31 | 12.39 | 0.00 | -1.098 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 05:00:00 | 21 | 8112.5 | 1112.5 | 112.5 | -1000.0 | 12.33 | 0.00 | -2.744 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 05:15:00 | 22 | 8112.5 | 1162.5 | 130.47 | -1032.03 | 12.72 | 0.00 | 3.730 | 530.172880 |
| Savlaj 110 kV | 07/01/2020 05:30:00 | 23 | 8112.5 | 1177.5 | 104.69 | -1072.81 | 13.22 | 0.00 | 3.073 | 1238.130300 |
| Savlaj 110 kV | 07/01/2020 05:45:00 | 24 | 8112.5 | 1197.5 | 101.56 | -1095.94 | 13.51 | 0.00 | 3.730 | 982.576048 |
| Savlaj 110 kV | 07/01/2020 06:00:00 | 25 | 8112.5 | 1177.5 | 103.12 | -1074.38 | 13.24 | 0.00 | -5.372 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 06:15:00 | 26 | 8112.5 | 1177.5 | 64.84 | -1112.66 | 13.72 | 0.00 | 4.556 | 3707.492093 |
| Savlaj 110 kV | 07/01/2020 06:30:00 | 27 | 8112.5 | 1137.5 | 54.69 | -1082.81 | 13.35 | 0.00 | 7.148 | 6246.935878 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Savlaj 110 kV | 07/01/2020 06:45:00 | 28 | 8112.5 | 1125.0 | 67.19 | -1057.81 | 13.04 | 0.00 | 7.821 | 5596.040492 |
| Savlaj 110 kV | 07/01/2020 07:00:00 | 29 | 8112.5 | 1127.5 | 77.34 | -1050.16 | 12.94 | 0.00 | 5.372 | 2790.745304 |
| Savlaj 110 kV | 07/01/2020 07:15:00 | 30 | 8112.5 | 1145.0 | 81.25 | -1063.75 | 13.11 | 0.00 | 16.000 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 07:30:00 | 31 | 8112.5 | 1135.0 | 66.41 | -1068.59 | 13.17 | 0.00 | 9.296 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 07:45:00 | 32 | 8112.5 | 1125.0 | 48.44 | -1076.56 | 13.27 | 0.00 | 9.794 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 08:00:00 | 33 | 8112.5 | 1100.0 | 95.31 | -1004.69 | 12.38 | 0.00 | 3.593 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 08:15:00 | 34 | 8112.5 | 1105.0 | 58.59 | -1046.41 | 12.9 | 0.00 | 3.401 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 08:30:00 | 35 | 8112.5 | 1087.5 | 68.75 | -1018.75 | 12.56 | 0.00 | 3.245 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 08:45:00 | 36 | 8112.5 | 1092.5 | 64.06 | -1028.44 | 12.68 | 0.00 | 0.000 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 09:00:00 | 37 | 8112.5 | 1120.0 | 92.19 | -1027.81 | 12.67 | 0.00 | 2.745 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 09:15:00 | 38 | 8112.5 | 1140.0 | 72.66 | -1067.34 | 13.16 | 0.00 | 4.715 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 09:30:00 | 39 | 8112.5 | 1145.0 | 101.56 | -1043.44 | 12.86 | 0.00 | 3.981 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 09:45:00 | 40 | 8112.5 | 1147.5 | 83.59 | -1063.91 | 13.11 | 0.00 | 3.730 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 10:00:00 | 41 | 8112.5 | 1190.0 | 92.97 | -1097.03 | 13.52 | 0.00 | 1.780 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 10:15:00 | 42 | 8112.5 | 1162.5 | 75.0 | -1087.5 | 13.41 | 0.00 | 5.643 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 10:30:00 | 43 | 8112.5 | 1167.5 | 41.41 | -1126.09 | 13.88 | 0.00 | 4.976 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 10:45:00 | 44 | 8112.5 | 1145.0 | 76.56 | -1068.44 | 13.17 | 0.00 | 4.415 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 11:00:00 | 45 | 8112.5 | 1142.5 | 53.91 | -1088.59 | 13.42 | 0.00 | 4.476 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 11:15:00 | 46 | 8112.5 | 1197.5 | 96.09 | -1101.41 | 13.58 | 0.00 | 4.826 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 11:30:00 | 47 | 8112.5 | 1222.5 | 83.59 | -1138.91 | 14.04 | 0.00 | 2.289 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 11:45:00 | 48 | 8112.5 | 1170.0 | 80.47 | -1089.53 | 13.43 | 0.00 | -0.549 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Savlaj 110 kV | 07/01/2020 12:00:00 | 49 | 8112.5 | 1157.5 | 81.25 | -1076.25 | 13.27 | 0.00 | 4.727 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 12:15:00 | 50 | 8112.5 | 1132.5 | 76.56 | -1055.94 | 13.02 | 0.00 | 4.777 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 12:30:00 | 51 | 8112.5 | 1105.0 | 47.66 | -1057.34 | 13.03 | 0.00 | 4.798 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 12:45:00 | 52 | 8112.5 | 1145.0 | 46.09 | -1098.91 | 13.55 | 0.00 | -3.401 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 13:00:00 | 53 | 8112.5 | 1130.0 | 25.0 | -1105.0 | 13.62 | 0.00 | -2.431 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 13:15:00 | 54 | 8112.5 | 1217.5 | 40.62 | -1176.88 | 14.51 | 0.00 | -4.387 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 13:30:00 | 55 | 8112.5 | 1212.5 | 38.28 | -1174.22 | 14.47 | 0.00 | -3.401 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 13:45:00 | 56 | 8112.5 | 1185.0 | 25.0 | -1160.0 | 14.3 | 0.00 | -5.044 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 14:00:00 | 57 | 8112.5 | 1162.5 | 36.72 | -1125.78 | 13.88 | 0.00 | 4.215 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 14:15:00 | 58 | 8112.5 | 1150.0 | 30.47 | -1119.53 | 13.8 | 0.00 | 9.552 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 14:30:00 | 59 | 8112.5 | 1130.0 | 50.78 | -1079.22 | 13.3 | 0.00 | 6.358 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 14:45:00 | 60 | 8112.5 | 1085.0 | 96.09 | -988.91 | 12.19 | 0.00 | 2.744 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 15:00:00 | 61 | 8112.5 | 1050.0 | 55.47 | -994.53 | 12.26 | 0.00 | -3.073 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 15:15:00 | 62 | 8112.5 | 1040.0 | 53.12 | -986.88 | 12.16 | 0.00 | -4.058 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 15:30:00 | 63 | 8112.5 | 1017.5 | 64.06 | -953.44 | 11.75 | 0.00 | -4.831 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 15:45:00 | 64 | 8112.5 | 1032.5 | 35.94 | -996.56 | 12.28 | 0.00 | -5.372 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 16:00:00 | 65 | 8112.5 | 980.0 | 18.75 | -961.25 | 11.85 | 0.00 | 2.196 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 16:15:00 | 66 | 8112.5 | 970.0 | 32.81 | -937.19 | 11.55 | 0.00 | -3.401 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 16:30:00 | 67 | 8112.5 | 945.0 | 0.0 | -945.0 | 11.65 | 0.00 | 4.738 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 16:45:00 | 68 | 8112.5 | 1002.5 | 28.12 | -974.38 | 12.01 | 0.00 | 7.343 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 17:00:00 | 69 | 8112.5 | 982.5 | -1.0 | -983.5 | 12.12 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Savlaj 110 kV | 07/01/2020 17:15:00 | 70 | 8112.5 | 1000.0 | -1.0 | -1001.0 | 12.34 | 0.00 | 2.744 | 166.512485 |
| Savlaj 110 kV | 07/01/2020 17:30:00 | 71 | 8112.5 | 952.5 | -1.0 | -953.5 | 11.75 | 0.00 | 3.401 | 62.959067 |
| Savlaj 110 kV | 07/01/2020 17:45:00 | 72 | 8112.5 | 942.5 | -1.0 | -943.5 | 11.63 | 0.00 | -2.745 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 18:00:00 | 73 | 8112.5 | 912.5 | -1.0 | -913.5 | 11.26 | 0.00 | -3.073 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 18:15:00 | 74 | 8112.5 | 920.0 | -1.0 | -921.0 | 11.35 | 0.00 | -5.372 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 18:30:00 | 75 | 8112.5 | 917.5 | -1.0 | -918.5 | 11.32 | 0.00 | 3.401 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 18:45:00 | 76 | 8112.5 | 1000.0 | -1.0 | -1001.0 | 12.34 | 0.00 | -3.401 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 19:00:00 | 77 | 8112.5 | 965.0 | -1.0 | -966.0 | 11.91 | 0.00 | -3.730 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 19:15:00 | 78 | 8112.5 | 960.0 | -1.0 | -961.0 | 11.85 | 0.00 | -4.715 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 19:30:00 | 79 | 8112.5 | 937.5 | -1.0 | -938.5 | 11.57 | 0.00 | -4.058 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 19:45:00 | 80 | 8112.5 | 942.5 | -1.0 | -943.5 | 11.63 | 0.00 | -2.210 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 20:00:00 | 81 | 8112.5 | 935.0 | -1.0 | -936.0 | 11.54 | 0.00 | -2.348 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 20:15:00 | 82 | 8112.5 | 935.0 | -1.0 | -936.0 | 11.54 | 0.00 | 4.387 | 1460.770335 |
| Savlaj 110 kV | 07/01/2020 20:30:00 | 83 | 8112.5 | 940.0 | -1.0 | -941.0 | 11.6 | 0.00 | 3.816 | 1920.288434 |
| Savlaj 110 kV | 07/01/2020 20:45:00 | 84 | 8112.5 | 982.5 | -1.0 | -983.5 | 12.12 | 0.00 | 3.401 | 483.229010 |
| Savlaj 110 kV | 07/01/2020 21:00:00 | 85 | 8112.5 | 1015.0 | -1.0 | -1016.0 | 12.52 | 0.00 | -4.058 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 21:15:00 | 86 | 8112.5 | 1027.5 | -1.0 | -1028.5 | 12.68 | 0.00 | 1.647 | 545.141132 |
| Savlaj 110 kV | 07/01/2020 21:30:00 | 87 | 8112.5 | 1047.5 | -1.0 | -1048.5 | 12.92 | 0.00 | 2.196 | 334.349880 |
| Savlaj 110 kV | 07/01/2020 21:45:00 | 88 | 8112.5 | 1115.0 | -1.0 | -1116.0 | 13.76 | 0.00 | -2.196 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 22:00:00 | 89 | 8112.5 | 1070.0 | -1.0 | -1071.0 | 13.2 | 0.00 | -3.257 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 22:15:00 | 90 | 8112.5 | 1107.5 | -1.0 | -1108.5 | 13.66 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Savlaj 110 kV | 07/01/2020 22:30:00 | 91 | 8112.5 | 1122.5 | -1.0 | -1123.5 | 13.85 | 0.00 | -1.098 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 22:45:00 | 92 | 8112.5 | 1247.5 | -1.0 | -1248.5 | 15.39 | 15.81 | -1.647 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 23:00:00 | 93 | 8112.5 | 1280.0 | -1.0 | -1281.0 | 15.79 | 32.06 | -3.401 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 23:15:00 | 94 | 8112.5 | 1340.0 | -1.0 | -1341.0 | 16.53 | 62.06 | 1.647 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 23:30:00 | 95 | 8112.5 | 1387.5 | -1.0 | -1388.5 | 17.12 | 85.81 | -2.196 | 0.000000 |
| Savlaj 110 kV | 07/01/2020 23:45:00 | 96 | 8112.5 | 1425.0 | -1.0 | -1426.0 | 17.58 | 104.56 | -0.549 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 00:00:00 | 1 | 8112.5 | 1077.5 | 0.0 | -1077.5 | 13.28 | 0.00 | -2.220 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 00:15:00 | 2 | 8112.5 | 1050.0 | 0.0 | -1050.0 | 12.94 | 0.00 | -3.101 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 00:30:00 | 3 | 8112.5 | 1012.5 | 0.0 | -1012.5 | 12.48 | 0.00 | -3.101 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 00:45:00 | 4 | 8112.5 | 1025.0 | 0.0 | -1025.0 | 12.63 | 0.00 | -2.424 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 01:00:00 | 5 | 8112.5 | 937.5 | 0.0 | -937.5 | 11.56 | 0.00 | -2.170 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 01:15:00 | 6 | 8112.5 | 1025.0 | 0.0 | -1025.0 | 12.63 | 0.00 | -1.761 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 01:30:00 | 7 | 8112.5 | 910.0 | 0.0 | -910.0 | 11.22 | 0.00 | -1.665 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 01:45:00 | 8 | 8112.5 | 830.0 | 0.0 | -830.0 | 10.23 | 0.00 | -1.665 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 02:00:00 | 9 | 8112.5 | 900.0 | 0.0 | -900.0 | 11.09 | 0.00 | -1.110 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 02:15:00 | 10 | 8112.5 | 890.0 | 0.0 | -890.0 | 10.97 | 0.00 | -1.347 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 02:30:00 | 11 | 8112.5 | 965.0 | 0.0 | -965.0 | 11.9 | 0.00 | -3.101 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 02:45:00 | 12 | 8112.5 | 810.0 | 0.0 | -810.0 | 9.98 | 0.00 | -2.220 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 03:00:00 | 13 | 8112.5 | 842.5 | 0.0 | -842.5 | 10.39 | 0.00 | -3.428 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 03:15:00 | 14 | 8112.5 | 870.0 | 0.0 | -870.0 | 10.72 | 0.00 | -2.220 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 03:30:00 | 15 | 8112.5 | 645.0 | 0.0 | -645.0 | 7.95 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Savlaj 110 kV | 08/01/2020 03:45:00 | 16 | 8112.5 | 700.0 | 0.0 | -700.0 | 8.63 | 0.00 | -2.775 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 04:00:00 | 17 | 8112.5 | 775.0 | 0.0 | -775.0 | 9.55 | 0.00 | -3.101 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 04:15:00 | 18 | 8112.5 | 920.0 | 0.0 | -920.0 | 11.34 | 0.00 | -1.665 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 04:30:00 | 19 | 8112.5 | 822.5 | 0.0 | -822.5 | 10.14 | 0.00 | -2.220 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 04:45:00 | 20 | 8112.5 | 2332.5 | 0.0 | -2332.5 | 28.75 | 710.00 | -2.775 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 05:00:00 | 21 | 8112.5 | 2487.5 | 0.0 | -2487.5 | 30.66 | 865.00 | -1.110 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 05:15:00 | 22 | 8112.5 | 2587.5 | 0.0 | -2587.5 | 31.9 | 965.00 | 2.775 | 124.686598 |
| Savlaj 110 kV | 08/01/2020 05:30:00 | 23 | 8112.5 | 2655.0 | 0.0 | -2655.0 | 32.73 | 1032.50 | -3.428 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 05:45:00 | 24 | 8112.5 | 2700.0 | 0.0 | -2700.0 | 33.28 | 1077.50 | -2.775 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 06:00:00 | 25 | 8112.5 | 1097.5 | 0.0 | -1097.5 | 13.53 | 0.00 | -2.220 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 06:15:00 | 26 | 8112.5 | 1137.5 | 0.0 | -1137.5 | 14.02 | 0.00 | 2.220 | 232.897352 |
| Savlaj 110 kV | 08/01/2020 06:30:00 | 27 | 8112.5 | 1232.5 | 0.0 | -1232.5 | 15.19 | 7.81 | 5.387 | 2218.453515 |
| Savlaj 110 kV | 08/01/2020 06:45:00 | 28 | 8112.5 | 1280.0 | 0.0 | -1280.0 | 15.78 | 31.56 | -4.734 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 07:00:00 | 29 | 8112.5 | 1330.0 | 0.0 | -1330.0 | 16.39 | 56.56 | -4.407 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 07:15:00 | 30 | 8112.5 | 1385.0 | 0.0 | -1385.0 | 17.07 | 84.06 | 5.061 | 2441.178337 |
| Savlaj 110 kV | 08/01/2020 07:30:00 | 31 | 8112.5 | 1320.0 | 0.0 | -1320.0 | 16.27 | 51.56 | 5.714 | 2226.180333 |
| Savlaj 110 kV | 08/01/2020 07:45:00 | 32 | 8112.5 | 1232.5 | 0.0 | -1232.5 | 15.19 | 7.81 | 5.061 | 817.189914 |
| Savlaj 110 kV | 08/01/2020 08:00:00 | 33 | 8112.5 | 1222.5 | 0.0 | -1222.5 | 15.07 | 2.81 | 2.775 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 08:15:00 | 34 | 8112.5 | 1190.0 | 0.0 | -1190.0 | 14.67 | 0.00 | 2.775 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 08:30:00 | 35 | 8112.5 | 1255.0 | 0.0 | -1255.0 | 15.47 | 19.06 | 5.387 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 08:45:00 | 36 | 8112.5 | 1287.5 | 0.0 | -1287.5 | 15.87 | 35.31 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Savlaj 110 kV | 08/01/2020 09:00:00 | 37 | 8112.5 | 1225.0 | 0.0 | -1225.0 | 15.1 | 4.06 | 7.673 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 09:15:00 | 38 | 8112.5 | 1210.0 | 0.0 | -1210.0 | 14.92 | 0.00 | 7.673 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 09:30:00 | 39 | 8112.5 | 1147.5 | 0.0 | -1147.5 | 14.14 | 0.00 | 3.101 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 09:45:00 | 40 | 8112.5 | 1122.5 | 0.0 | -1122.5 | 13.84 | 0.00 | -3.101 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 10:00:00 | 41 | 8112.5 | 1097.5 | 0.0 | -1097.5 | 13.53 | 0.00 | -3.101 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 10:15:00 | 42 | 8112.5 | 1077.5 | 0.0 | -1077.5 | 13.28 | 0.00 | -3.101 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 10:30:00 | 43 | 8112.5 | 1052.5 | 0.0 | -1052.5 | 12.97 | 0.00 | -1.665 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 10:45:00 | 44 | 8112.5 | 1007.5 | 0.0 | -1007.5 | 12.42 | 0.00 | 0.000 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 11:00:00 | 45 | 8112.5 | 957.5 | 0.0 | -957.5 | 11.8 | 0.00 | -1.486 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 11:15:00 | 46 | 8112.5 | 980.0 | 0.0 | -980.0 | 12.08 | 0.00 | -1.305 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 11:30:00 | 47 | 8112.5 | 967.5 | 0.0 | -967.5 | 11.93 | 0.00 | -2.425 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 11:45:00 | 48 | 8112.5 | 1010.0 | 0.0 | -1010.0 | 12.45 | 0.00 | -2.775 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 12:00:00 | 49 | 8112.5 | 1070.0 | 0.0 | -1070.0 | 13.19 | 0.00 | -2.083 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 12:15:00 | 50 | 8112.5 | 982.5 | 0.0 | -982.5 | 12.11 | 0.00 | -3.242 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 12:30:00 | 51 | 8112.5 | 967.5 | 0.0 | -967.5 | 11.93 | 0.00 | -1.330 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 12:45:00 | 52 | 8112.5 | 942.5 | 0.0 | -942.5 | 11.62 | 0.00 | -0.830 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 13:00:00 | 53 | 8112.5 | 962.5 | 0.0 | -962.5 | 11.86 | 0.00 | 2.775 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 13:15:00 | 54 | 8112.5 | 962.5 | 0.0 | -962.5 | 11.86 | 0.00 | 0.000 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 13:30:00 | 55 | 8112.5 | 960.0 | 0.0 | -960.0 | 11.83 | 0.00 | -1.012 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 13:45:00 | 56 | 8112.5 | 937.5 | 0.0 | -937.5 | 11.56 | 0.00 | -1.087 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 14:00:00 | 57 | 8112.5 | 915.0 | 0.0 | -915.0 | 11.28 | 0.00 | -3.101 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Savlaj 110 kV | 08/01/2020 14:15:00 | 58 | 8112.5 | 890.0 | 0.0 | -890.0 | 10.97 | 0.00 | -4.081 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 14:30:00 | 59 | 8112.5 | 917.5 | 0.0 | -917.5 | 11.31 | 0.00 | -2.996 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 14:45:00 | 60 | 8112.5 | 975.0 | 0.0 | -975.0 | 12.02 | 0.00 | -3.101 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 15:00:00 | 61 | 8112.5 | 975.0 | 0.0 | -975.0 | 12.02 | 0.00 | -1.879 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 15:15:00 | 62 | 8112.5 | 1015.0 | 0.0 | -1015.0 | 12.51 | 0.00 | -4.081 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 15:30:00 | 63 | 8112.5 | 942.5 | 0.0 | -942.5 | 11.62 | 0.00 | 4.938 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 15:45:00 | 64 | 8112.5 | 935.0 | 0.0 | -935.0 | 11.53 | 0.00 | 4.719 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 16:00:00 | 65 | 8112.5 | 892.5 | 0.0 | -892.5 | 11.0 | 0.00 | 0.555 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 16:15:00 | 66 | 8112.5 | 920.0 | 0.0 | -920.0 | 11.34 | 0.00 | -4.081 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 16:30:00 | 67 | 8112.5 | 920.0 | 0.0 | -920.0 | 11.34 | 0.00 | -3.754 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 16:45:00 | 68 | 8112.5 | 985.0 | 0.0 | -985.0 | 12.14 | 0.00 | -8.000 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 17:00:00 | 69 | 8112.5 | 957.5 | 0.0 | -957.5 | 11.8 | 0.00 | 0.000 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 17:15:00 | 70 | 8112.5 | 952.5 | 0.0 | -952.5 | 11.74 | 0.00 | 4.081 | 182.713665 |
| Savlaj 110 kV | 08/01/2020 17:30:00 | 71 | 8112.5 | 917.5 | 0.0 | -917.5 | 11.31 | 0.00 | -5.387 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 17:45:00 | 72 | 8112.5 | 942.5 | 0.0 | -942.5 | 11.62 | 0.00 | -3.101 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 18:00:00 | 73 | 8112.5 | 925.0 | 0.0 | -925.0 | 11.4 | 0.00 | -2.775 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 18:15:00 | 74 | 8112.5 | 932.5 | 0.0 | -932.5 | 11.49 | 0.00 | -3.101 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 18:30:00 | 75 | 8112.5 | 972.5 | 0.0 | -972.5 | 11.99 | 0.00 | -2.220 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 18:45:00 | 76 | 8112.5 | 967.5 | 0.0 | -967.5 | 11.93 | 0.00 | 2.220 | 762.655646 |
| Savlaj 110 kV | 08/01/2020 19:00:00 | 77 | 8112.5 | 957.5 | 0.0 | -957.5 | 11.8 | 0.00 | 1.110 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 19:15:00 | 78 | 8112.5 | 955.0 | 0.0 | -955.0 | 11.77 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Savlaj 110 kV | 08/01/2020 19:30:00 | 79 | 8112.5 | 990.0 | 0.0 | -990.0 | 12.2 | 0.00 | -2.220 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 19:45:00 | 80 | 8112.5 | 1005.0 | 0.0 | -1005.0 | 12.39 | 0.00 | -0.555 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 20:00:00 | 81 | 8112.5 | 1020.0 | 0.0 | -1020.0 | 12.57 | 0.00 | 2.775 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 20:15:00 | 82 | 8112.5 | 1035.0 | 0.0 | -1035.0 | 12.76 | 0.00 | 3.101 | 1730.604297 |
| Savlaj 110 kV | 08/01/2020 20:30:00 | 83 | 8112.5 | 1032.5 | 0.0 | -1032.5 | 12.73 | 0.00 | 4.408 | 2338.828053 |
| Savlaj 110 kV | 08/01/2020 20:45:00 | 84 | 8112.5 | 1067.5 | 0.0 | -1067.5 | 13.16 | 0.00 | 3.101 | 698.571944 |
| Savlaj 110 kV | 08/01/2020 21:00:00 | 85 | 8112.5 | 1092.5 | 0.0 | -1092.5 | 13.47 | 0.00 | 3.101 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 21:15:00 | 86 | 8112.5 | 1097.5 | 0.0 | -1097.5 | 13.53 | 0.00 | -0.555 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 21:30:00 | 87 | 8112.5 | 1067.5 | 0.0 | -1067.5 | 13.16 | 0.00 | -1.110 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 21:45:00 | 88 | 8112.5 | 1085.0 | 0.0 | -1085.0 | 13.37 | 0.00 | -1.110 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 22:00:00 | 89 | 8112.5 | 990.0 | 0.0 | -990.0 | 12.2 | 0.00 | -2.489 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 22:15:00 | 90 | 8112.5 | 970.0 | 0.0 | -970.0 | 11.96 | 0.00 | -2.775 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 22:30:00 | 91 | 8112.5 | 947.5 | 0.0 | -947.5 | 11.68 | 0.00 | -2.223 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 22:45:00 | 92 | 8112.5 | 1032.5 | 0.0 | -1032.5 | 12.73 | 0.00 | 1.110 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 23:00:00 | 93 | 8112.5 | 1032.5 | 0.0 | -1032.5 | 12.73 | 0.00 | 1.110 | 110.230728 |
| Savlaj 110 kV | 08/01/2020 23:15:00 | 94 | 8112.5 | 1050.0 | 0.0 | -1050.0 | 12.94 | 0.00 | 1.110 | 0.000000 |
| Savlaj 110 kV | 08/01/2020 23:30:00 | 95 | 8112.5 | 1052.5 | 0.0 | -1052.5 | 12.97 | 0.00 | 2.775 | 9.567772 |
| Savlaj 110 kV | 08/01/2020 23:45:00 | 96 | 8112.5 | 1042.5 | 0.0 | -1042.5 | 12.85 | 0.00 | 0.000 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 00:00:00 | 1 | 8112.5 | 1085.0 | 0.0 | -1085.0 | 13.37 | 0.00 | -0.576 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 00:15:00 | 2 | 8112.5 | 1110.0 | 0.0 | -1110.0 | 13.68 | 0.00 | -1.727 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 00:30:00 | 3 | 8112.5 | 1082.5 | 0.0 | -1082.5 | 13.34 | 0.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Savlaj 110 kV | 09/01/2020 00:45:00 | 4 | 8112.5 | 1087.5 | 0.0 | -1087.5 | 13.41 | 0.00 | -2.879 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 01:00:00 | 5 | 8112.5 | 1075.0 | 0.0 | -1075.0 | 13.25 | 0.00 | -3.519 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 01:15:00 | 6 | 8112.5 | 1067.5 | 0.0 | -1067.5 | 13.16 | 0.00 | -3.519 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 01:30:00 | 7 | 8112.5 | 1082.5 | 0.0 | -1082.5 | 13.34 | 0.00 | -3.199 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 01:45:00 | 8 | 8112.5 | 1095.0 | 0.0 | -1095.0 | 13.5 | 0.00 | 3.519 | 266.071330 |
| Savlaj 110 kV | 09/01/2020 02:00:00 | 9 | 8112.5 | 1100.0 | 0.0 | -1100.0 | 13.56 | 0.00 | 3.519 | 1210.998655 |
| Savlaj 110 kV | 09/01/2020 02:15:00 | 10 | 8112.5 | 1097.5 | 0.0 | -1097.5 | 13.53 | 0.00 | 2.879 | 529.913921 |
| Savlaj 110 kV | 09/01/2020 02:30:00 | 11 | 8112.5 | 1102.5 | 0.0 | -1102.5 | 13.59 | 0.00 | 3.199 | 765.892599 |
| Savlaj 110 kV | 09/01/2020 02:45:00 | 12 | 8112.5 | 1067.5 | 0.0 | -1067.5 | 13.16 | 0.00 | 1.152 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 03:00:00 | 13 | 8112.5 | 1087.5 | 0.0 | -1087.5 | 13.41 | 0.00 | -2.879 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 03:15:00 | 14 | 8112.5 | 1095.0 | 0.0 | -1095.0 | 13.5 | 0.00 | -3.839 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 03:30:00 | 15 | 8112.5 | 1095.0 | 0.0 | -1095.0 | 13.5 | 0.00 | 3.199 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 03:45:00 | 16 | 8112.5 | 1092.5 | 0.0 | -1092.5 | 13.47 | 0.00 | 0.000 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 04:00:00 | 17 | 8112.5 | 1077.5 | 0.0 | -1077.5 | 13.28 | 0.00 | 1.727 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 04:15:00 | 18 | 8112.5 | 1085.0 | 0.0 | -1085.0 | 13.37 | 0.00 | 1.727 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 04:30:00 | 19 | 8112.5 | 1090.0 | 0.0 | -1090.0 | 13.44 | 0.00 | 1.727 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 04:45:00 | 20 | 8112.5 | 1110.0 | 0.0 | -1110.0 | 13.68 | 0.00 | 2.879 | 956.609132 |
| Savlaj 110 kV | 09/01/2020 05:00:00 | 21 | 8112.5 | 1130.0 | 0.0 | -1130.0 | 13.93 | 0.00 | 3.839 | 564.071955 |
| Savlaj 110 kV | 09/01/2020 05:15:00 | 22 | 8112.5 | 1092.5 | 0.0 | -1092.5 | 13.47 | 0.00 | 5.119 | 1542.066861 |
| Savlaj 110 kV | 09/01/2020 05:30:00 | 23 | 8112.5 | 1080.0 | 0.0 | -1080.0 | 13.31 | 0.00 | 4.064 | 2778.196243 |
| Savlaj 110 kV | 09/01/2020 05:45:00 | 24 | 8112.5 | 1062.5 | 0.0 | -1062.5 | 13.1 | 0.00 | 1.152 | 7.495769 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Savlaj 110 kV | 09/01/2020 06:00:00 | 25 | 8112.5 | 1082.5 | 0.0 | -1082.5 | 13.34 | 0.00 | -2.303 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 06:15:00 | 26 | 8112.5 | 1100.0 | 0.0 | -1100.0 | 13.56 | 0.00 | 2.303 | 731.664011 |
| Savlaj 110 kV | 09/01/2020 06:30:00 | 27 | 8112.5 | 1095.0 | 0.0 | -1095.0 | 13.5 | 0.00 | -3.839 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 06:45:00 | 28 | 8112.5 | 1092.5 | 0.0 | -1092.5 | 13.47 | 0.00 | -2.879 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 07:00:00 | 29 | 8112.5 | 1087.5 | 0.0 | -1087.5 | 13.41 | 0.00 | -2.879 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 07:15:00 | 30 | 8112.5 | 1067.5 | 0.0 | -1067.5 | 13.16 | 0.00 | 6.400 | 531.088433 |
| Savlaj 110 kV | 09/01/2020 07:30:00 | 31 | 8112.5 | 1102.5 | 0.0 | -1102.5 | 13.59 | 0.00 | 1.172 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 07:45:00 | 32 | 8112.5 | 1085.0 | 0.0 | -1085.0 | 13.37 | 0.00 | 0.576 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 08:00:00 | 33 | 8112.5 | 1110.0 | 0.0 | -1110.0 | 13.68 | 0.00 | -0.576 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 08:15:00 | 34 | 8112.5 | 1090.0 | 0.0 | -1090.0 | 13.44 | 0.00 | -1.152 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 08:30:00 | 35 | 8112.5 | 1087.5 | 0.0 | -1087.5 | 13.41 | 0.00 | 0.576 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 08:45:00 | 36 | 8112.5 | 1075.0 | 0.0 | -1075.0 | 13.25 | 0.00 | 0.000 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 09:00:00 | 37 | 8112.5 | 1092.5 | 0.0 | -1092.5 | 13.47 | 0.00 | 1.152 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 09:15:00 | 38 | 8112.5 | 1075.0 | 0.0 | -1075.0 | 13.25 | 0.00 | 1.727 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 09:30:00 | 39 | 8112.5 | 1062.5 | 0.0 | -1062.5 | 13.1 | 0.00 | -3.839 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 09:45:00 | 40 | 8112.5 | 1087.5 | 0.0 | -1087.5 | 13.41 | 0.00 | -1.152 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 10:00:00 | 41 | 8112.5 | 1100.0 | 0.0 | -1100.0 | 13.56 | 0.00 | 0.000 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 10:15:00 | 42 | 8112.5 | 1115.0 | 0.0 | -1115.0 | 13.74 | 0.00 | 1.727 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 10:30:00 | 43 | 8112.5 | 1097.5 | 0.0 | -1097.5 | 13.53 | 0.00 | 2.303 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 10:45:00 | 44 | 8112.5 | 1087.5 | 0.0 | -1087.5 | 13.41 | 0.00 | -1.144 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 11:00:00 | 45 | 8112.5 | 1062.5 | 0.0 | -1062.5 | 13.1 | 0.00 | -4.479 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Savlaj 110 kV | 09/01/2020 11:15:00 | 46 | 8112.5 | 1082.5 | 0.0 | -1082.5 | 13.34 | 0.00 | -3.519 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 11:30:00 | 47 | 8112.5 | 1100.0 | 0.0 | -1100.0 | 13.56 | 0.00 | -2.303 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 11:45:00 | 48 | 8112.5 | 1095.0 | 0.0 | -1095.0 | 13.5 | 0.00 | -0.576 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 12:00:00 | 49 | 8112.5 | 1095.0 | 0.0 | -1095.0 | 13.5 | 0.00 | 0.000 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 12:15:00 | 50 | 8112.5 | 1082.5 | 0.0 | -1082.5 | 13.34 | 0.00 | 3.839 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 12:30:00 | 51 | 8112.5 | 1090.0 | 0.0 | -1090.0 | 13.44 | 0.00 | 3.199 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 12:45:00 | 52 | 8112.5 | 1072.5 | 0.0 | -1072.5 | 13.22 | 0.00 | 3.199 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 13:00:00 | 53 | 8112.5 | 1097.5 | 0.0 | -1097.5 | 13.53 | 0.00 | -1.152 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 13:15:00 | 54 | 8112.5 | 1090.0 | 0.0 | -1090.0 | 13.44 | 0.00 | -1.152 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 13:30:00 | 55 | 8112.5 | 1105.0 | 0.0 | -1105.0 | 13.62 | 0.00 | 1.727 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 13:45:00 | 56 | 8112.5 | 1077.5 | 0.0 | -1077.5 | 13.28 | 0.00 | 3.199 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 14:00:00 | 57 | 8112.5 | 1090.0 | 0.0 | -1090.0 | 13.44 | 0.00 | 4.345 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 14:15:00 | 58 | 8112.5 | 1052.5 | 0.0 | -1052.5 | 12.97 | 0.00 | 3.941 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 14:30:00 | 59 | 8112.5 | 1092.5 | 0.0 | -1092.5 | 13.47 | 0.00 | 1.152 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 14:45:00 | 60 | 8112.5 | 1090.0 | 0.0 | -1090.0 | 13.44 | 0.00 | -0.576 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 15:00:00 | 61 | 8112.5 | 1110.0 | 0.0 | -1110.0 | 13.68 | 0.00 | -1.006 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 15:15:00 | 62 | 8112.5 | 1105.0 | 0.0 | -1105.0 | 13.62 | 0.00 | 3.199 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 15:30:00 | 63 | 8112.5 | 1077.5 | 0.0 | -1077.5 | 13.28 | 0.00 | 2.879 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 15:45:00 | 64 | 8112.5 | 1090.0 | 0.0 | -1090.0 | 13.44 | 0.00 | 3.839 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 16:00:00 | 65 | 8112.5 | 1057.5 | 0.0 | -1057.5 | 13.04 | 0.00 | 1.727 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 16:15:00 | 66 | 8112.5 | 1092.5 | 0.0 | -1092.5 | 13.47 | 0.00 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Savlaj 110 kV | 09/01/2020 16:30:00 | 67 | 8112.5 | 1085.0 | 0.0 | -1085.0 | 13.37 | 0.00 | -4.159 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 16:45:00 | 68 | 8112.5 | 1110.0 | 0.0 | -1110.0 | 13.68 | 0.00 | 3.839 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 17:00:00 | 69 | 8112.5 | 1077.5 | 0.0 | -1077.5 | 13.28 | 0.00 | 1.727 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 17:15:00 | 70 | 8112.5 | 1085.0 | 0.0 | -1085.0 | 13.37 | 0.00 | 3.839 | 372.931622 |
| Savlaj 110 kV | 09/01/2020 17:30:00 | 71 | 8112.5 | 1057.5 | 0.0 | -1057.5 | 13.04 | 0.00 | -2.879 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 17:45:00 | 72 | 8112.5 | 1097.5 | 0.0 | -1097.5 | 13.53 | 0.00 | -4.146 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 18:00:00 | 73 | 8112.5 | 1105.0 | 0.0 | -1105.0 | 13.62 | 0.00 | -3.349 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 18:15:00 | 74 | 8112.5 | 1110.0 | 0.0 | -1110.0 | 13.68 | 0.00 | -4.563 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 18:30:00 | 75 | 8112.5 | 1090.0 | 0.0 | -1090.0 | 13.44 | 0.00 | -3.839 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 18:45:00 | 76 | 8112.5 | 1087.5 | 0.0 | -1087.5 | 13.41 | 0.00 | -2.879 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 19:00:00 | 77 | 8112.5 | 1075.0 | 0.0 | -1075.0 | 13.25 | 0.00 | -3.199 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 19:15:00 | 78 | 8112.5 | 1067.5 | 0.0 | -1067.5 | 13.16 | 0.00 | -1.727 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 19:30:00 | 79 | 8112.5 | 1082.5 | 0.0 | -1082.5 | 13.34 | 0.00 | -1.442 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 19:45:00 | 80 | 8112.5 | 1095.0 | 0.0 | -1095.0 | 13.5 | 0.00 | -0.286 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 20:00:00 | 81 | 8112.5 | 1100.0 | 0.0 | -1100.0 | 13.56 | 0.00 | -1.070 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 20:15:00 | 82 | 8112.5 | 1092.5 | 0.0 | -1092.5 | 13.47 | 0.00 | -2.236 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 20:30:00 | 83 | 8112.5 | 1095.0 | 0.0 | -1095.0 | 13.5 | 0.00 | -4.799 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 20:45:00 | 84 | 8112.5 | 1067.5 | 0.0 | -1067.5 | 13.16 | 0.00 | -1.727 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 21:00:00 | 85 | 8112.5 | 1087.5 | 0.0 | -1087.5 | 13.41 | 0.00 | -1.727 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 21:15:00 | 86 | 8112.5 | 1095.0 | 0.0 | -1095.0 | 13.5 | 0.00 | 1.152 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 21:30:00 | 87 | 8112.5 | 1095.0 | 0.0 | -1095.0 | 13.5 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Savlaj 110 kV | 09/01/2020 21:45:00 | 88 | 8112.5 | 1100.0 | 0.0 | -1100.0 | 13.56 | 0.00 | -2.303 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 22:00:00 | 89 | 8112.5 | 1077.5 | 0.0 | -1077.5 | 13.28 | 0.00 | -2.795 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 22:15:00 | 90 | 8112.5 | 1085.0 | 0.0 | -1085.0 | 13.37 | 0.00 | -3.674 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 22:30:00 | 91 | 8112.5 | 1057.5 | 0.0 | -1057.5 | 13.04 | 0.00 | -2.303 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 22:45:00 | 92 | 8112.5 | 1097.5 | 0.0 | -1097.5 | 13.53 | 0.00 | -1.152 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 23:00:00 | 93 | 8112.5 | 1105.0 | 0.0 | -1105.0 | 13.62 | 0.00 | 0.000 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 23:15:00 | 94 | 8112.5 | 1110.0 | 0.0 | -1110.0 | 13.68 | 0.00 | -0.576 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 23:30:00 | 95 | 8112.5 | 1102.5 | 0.0 | -1102.5 | 13.59 | 0.00 | -0.576 | 0.000000 |
| Savlaj 110 kV | 09/01/2020 23:45:00 | 96 | 8112.5 | 1097.5 | 0.0 | -1097.5 | 13.53 | 0.00 | -0.987 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 00:00:00 | 1 | 8112.5 | 1100.0 | 0.0 | -1100.0 | 13.56 | 0.00 | -0.680 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 00:15:00 | 2 | 8112.5 | 1125.0 | 0.0 | -1125.0 | 13.87 | 0.00 | -3.326 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 00:30:00 | 3 | 8112.5 | 1097.5 | 0.0 | -1097.5 | 13.53 | 0.00 | -2.992 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 00:45:00 | 4 | 8112.5 | 1102.5 | 0.0 | -1102.5 | 13.59 | 0.00 | -0.532 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 01:00:00 | 5 | 8112.5 | 1090.0 | 0.0 | -1090.0 | 13.44 | 0.00 | -0.713 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 01:15:00 | 6 | 8112.5 | 1082.5 | 0.0 | -1082.5 | 13.34 | 0.00 | -0.548 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 01:30:00 | 7 | 8112.5 | 1097.5 | 0.0 | -1097.5 | 13.53 | 0.00 | -2.658 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 01:45:00 | 8 | 8112.5 | 1110.0 | 0.0 | -1110.0 | 13.68 | 0.00 | 2.127 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 02:00:00 | 9 | 8112.5 | 1115.0 | 0.0 | -1115.0 | 13.74 | 0.00 | 5.342 | 2184.697255 |
| Savlaj 110 kV | 10/01/2020 02:15:00 | 10 | 8112.5 | 1112.5 | 0.0 | -1112.5 | 13.71 | 0.00 | 1.595 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 02:30:00 | 11 | 8112.5 | 1117.5 | 0.0 | -1117.5 | 13.78 | 0.00 | 3.326 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 02:45:00 | 12 | 8112.5 | 1082.5 | 0.0 | -1082.5 | 13.34 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Savlaj 110 kV | 10/01/2020 03:00:00 | 13 | 8112.5 | 1102.5 | 0.0 | -1102.5 | 13.59 | 0.00 | 2.658 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 03:15:00 | 14 | 8112.5 | 1110.0 | 0.0 | -1110.0 | 13.68 | 0.00 | 2.127 | 176.004685 |
| Savlaj 110 kV | 10/01/2020 03:30:00 | 15 | 8112.5 | 1110.0 | 0.0 | -1110.0 | 13.68 | 0.00 | 2.127 | 208.669661 |
| Savlaj 110 kV | 10/01/2020 03:45:00 | 16 | 8112.5 | 1107.5 | 0.0 | -1107.5 | 13.65 | 0.00 | -1.063 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 04:00:00 | 17 | 8112.5 | 1092.5 | 0.0 | -1092.5 | 13.47 | 0.00 | 1.595 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 04:15:00 | 18 | 8112.5 | 1100.0 | 0.0 | -1100.0 | 13.56 | 0.00 | 3.326 | 654.102797 |
| Savlaj 110 kV | 10/01/2020 04:30:00 | 19 | 8112.5 | 1105.0 | 0.0 | -1105.0 | 13.62 | 0.00 | 3.326 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 04:45:00 | 20 | 8112.5 | 1125.0 | 0.0 | -1125.0 | 13.87 | 0.00 | 2.127 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 05:00:00 | 21 | 8112.5 | 1145.0 | 0.0 | -1145.0 | 14.11 | 0.00 | 2.992 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 05:15:00 | 22 | 8112.5 | 1107.5 | 0.0 | -1107.5 | 13.65 | 0.00 | 1.063 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 05:30:00 | 23 | 8112.5 | 1095.0 | 0.0 | -1095.0 | 13.5 | 0.00 | -2.658 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 05:45:00 | 24 | 8112.5 | 1077.5 | 0.0 | -1077.5 | 13.28 | 0.00 | 2.127 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 06:00:00 | 25 | 8112.5 | 1097.5 | 0.0 | -1097.5 | 13.53 | 0.00 | -2.127 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 06:15:00 | 26 | 8112.5 | 1115.0 | 0.0 | -1115.0 | 13.74 | 0.00 | 2.658 | 282.863183 |
| Savlaj 110 kV | 10/01/2020 06:30:00 | 27 | 8112.5 | 1110.0 | 0.0 | -1110.0 | 13.68 | 0.00 | -2.992 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 06:45:00 | 28 | 8112.5 | 1107.5 | 0.0 | -1107.5 | 13.65 | 0.00 | -3.077 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 07:00:00 | 29 | 8112.5 | 1102.5 | 0.0 | -1102.5 | 13.59 | 0.00 | -0.687 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 07:15:00 | 30 | 8112.5 | 1082.5 | 0.0 | -1082.5 | 13.34 | 0.00 | -2.658 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 07:30:00 | 31 | 8112.5 | 1117.5 | 0.0 | -1117.5 | 13.78 | 0.00 | -1.063 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 07:45:00 | 32 | 8112.5 | 1100.0 | 0.0 | -1100.0 | 13.56 | 0.00 | -2.658 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 08:00:00 | 33 | 8112.5 | 1125.0 | 0.0 | -1125.0 | 13.87 | 0.00 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Savlaj 110 kV | 10/01/2020 08:15:00 | 34 | 8112.5 | 1105.0 | 0.0 | -1105.0 | 13.62 | 0.00 | -4.661 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 08:30:00 | 35 | 8112.5 | 1102.5 | 0.0 | -1102.5 | 13.59 | 0.00 | 5.663 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 08:45:00 | 36 | 8112.5 | 1090.0 | 0.0 | -1090.0 | 13.44 | 0.00 | 4.328 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 09:00:00 | 37 | 8112.5 | 1357.5 | 0.0 | -1357.5 | 16.73 | 70.31 | -4.995 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 09:15:00 | 38 | 8112.5 | 1340.0 | 0.0 | -1340.0 | 16.52 | 61.56 | -4.327 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 09:30:00 | 39 | 8112.5 | 1327.5 | 0.0 | -1327.5 | 16.36 | 55.31 | -2.127 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 09:45:00 | 40 | 8112.5 | 1352.5 | 0.0 | -1352.5 | 16.67 | 67.81 | -1.152 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 10:00:00 | 41 | 8112.5 | 1365.0 | 0.0 | -1365.0 | 16.83 | 74.06 | 0.000 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 10:15:00 | 42 | 8112.5 | 1380.0 | 0.0 | -1380.0 | 17.01 | 81.56 | -0.532 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 10:30:00 | 43 | 8112.5 | 1362.5 | 0.0 | -1362.5 | 16.8 | 72.81 | -1.063 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 10:45:00 | 44 | 8112.5 | 1352.5 | 0.0 | -1352.5 | 16.67 | 67.81 | 0.000 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 11:00:00 | 45 | 8112.5 | 1327.5 | 0.0 | -1327.5 | 16.36 | 55.31 | 2.658 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 11:15:00 | 46 | 8112.5 | 1347.5 | 0.0 | -1347.5 | 16.61 | 65.31 | 0.000 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 11:30:00 | 47 | 8112.5 | 1365.0 | 0.0 | -1365.0 | 16.83 | 74.06 | -1.595 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 11:45:00 | 48 | 8112.5 | 1360.0 | 0.0 | -1360.0 | 16.76 | 71.56 | 2.992 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 12:00:00 | 49 | 8112.5 | 1360.0 | 0.0 | -1360.0 | 16.76 | 71.56 | 0.000 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 12:15:00 | 50 | 8112.5 | 1347.5 | 0.0 | -1347.5 | 16.61 | 65.31 | 2.127 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 12:30:00 | 51 | 8112.5 | 1355.0 | 0.0 | -1355.0 | 16.7 | 69.06 | 1.595 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 12:45:00 | 52 | 8112.5 | 1337.5 | 0.0 | -1337.5 | 16.49 | 60.31 | -1.063 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 13:00:00 | 53 | 8112.5 | 1362.5 | 0.0 | -1362.5 | 16.8 | 72.81 | 2.658 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 13:15:00 | 54 | 8112.5 | 1355.0 | 0.0 | -1355.0 | 16.7 | 69.06 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Savlaj 110 kV | 10/01/2020 13:30:00 | 55 | 8112.5 | 1370.0 | 0.0 | -1370.0 | 16.89 | 76.56 | 2.127 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 13:45:00 | 56 | 8112.5 | 1342.5 | 0.0 | -1342.5 | 16.55 | 62.81 | -3.326 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 14:00:00 | 57 | 8112.5 | 1355.0 | 0.0 | -1355.0 | 16.7 | 69.06 | -2.992 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 14:15:00 | 58 | 8112.5 | 1317.5 | 0.0 | -1317.5 | 16.24 | 50.31 | 3.660 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 14:30:00 | 59 | 8112.5 | 1357.5 | 0.0 | -1357.5 | 16.73 | 70.31 | -2.127 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 14:45:00 | 60 | 8112.5 | 1355.0 | 0.0 | -1355.0 | 16.7 | 69.06 | -2.127 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 15:00:00 | 61 | 8112.5 | 1375.0 | 0.0 | -1375.0 | 16.95 | 79.06 | 0.000 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 15:15:00 | 62 | 8112.5 | 1370.0 | 0.0 | -1370.0 | 16.89 | 76.56 | -2.992 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 15:30:00 | 63 | 8112.5 | 1342.5 | 0.0 | -1342.5 | 16.55 | 62.81 | -4.995 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 15:45:00 | 64 | 8112.5 | 1355.0 | 0.0 | -1355.0 | 16.7 | 69.06 | -4.327 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 16:00:00 | 65 | 8112.5 | 1322.5 | 0.0 | -1322.5 | 16.3 | 52.81 | -4.995 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 16:15:00 | 66 | 8112.5 | 1357.5 | 0.0 | -1357.5 | 16.73 | 70.31 | -8.000 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 16:30:00 | 67 | 8112.5 | 1350.0 | 0.0 | -1350.0 | 16.64 | 66.56 | -8.000 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 16:45:00 | 68 | 8112.5 | 1375.0 | 0.0 | -1375.0 | 16.95 | 79.06 | 4.327 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 17:00:00 | 69 | 8112.5 | 1342.5 | 0.0 | -1342.5 | 16.55 | 62.81 | 0.532 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 17:15:00 | 70 | 8112.5 | 1350.0 | 0.0 | -1350.0 | 16.64 | 66.56 | -1.595 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 17:30:00 | 71 | 8112.5 | 1322.5 | 0.0 | -1322.5 | 16.3 | 52.81 | -2.658 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 17:45:00 | 72 | 8112.5 | 1362.5 | 0.0 | -1362.5 | 16.8 | 72.81 | -2.127 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 18:00:00 | 73 | 8112.5 | 1370.0 | 0.0 | -1370.0 | 16.89 | 76.56 | -1.461 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 18:15:00 | 74 | 8112.5 | 1375.0 | 0.0 | -1375.0 | 16.95 | 79.06 | 3.326 | 483.197267 |
| Savlaj 110 kV | 10/01/2020 18:30:00 | 75 | 8112.5 | 1355.0 | 0.0 | -1355.0 | 16.7 | 69.06 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Savlaj 110 kV | 10/01/2020 18:45:00 | 76 | 8112.5 | 1352.5 | 0.0 | -1352.5 | 16.67 | 67.81 | 3.994 | 225.765239 |
| Savlaj 110 kV | 10/01/2020 19:00:00 | 77 | 8112.5 | 1340.0 | 0.0 | -1340.0 | 16.52 | 61.56 | -2.127 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 19:15:00 | 78 | 8112.5 | 1332.5 | 0.0 | -1332.5 | 16.43 | 57.81 | -2.658 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 19:30:00 | 79 | 8112.5 | 1347.5 | 0.0 | -1347.5 | 16.61 | 65.31 | -3.660 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 19:45:00 | 80 | 8112.5 | 1360.0 | 0.0 | -1360.0 | 16.76 | 71.56 | -3.326 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 20:00:00 | 81 | 8112.5 | 1365.0 | 0.0 | -1365.0 | 16.83 | 74.06 | 3.660 | 332.744473 |
| Savlaj 110 kV | 10/01/2020 20:15:00 | 82 | 8112.5 | 1357.5 | 0.0 | -1357.5 | 16.73 | 70.31 | 3.660 | 1421.100976 |
| Savlaj 110 kV | 10/01/2020 20:30:00 | 83 | 8112.5 | 1360.0 | 0.0 | -1360.0 | 16.76 | 71.56 | 4.995 | 2021.178982 |
| Savlaj 110 kV | 10/01/2020 20:45:00 | 84 | 8112.5 | 1332.5 | 0.0 | -1332.5 | 16.43 | 57.81 | 2.992 | 1400.363633 |
| Savlaj 110 kV | 10/01/2020 21:00:00 | 85 | 8112.5 | 1352.5 | 0.0 | -1352.5 | 16.67 | 67.81 | -3.660 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 21:15:00 | 86 | 8112.5 | 1360.0 | 0.0 | -1360.0 | 16.76 | 71.56 | -1.595 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 21:30:00 | 87 | 8112.5 | 1360.0 | 0.0 | -1360.0 | 16.76 | 71.56 | -1.063 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 21:45:00 | 88 | 8112.5 | 1365.0 | 0.0 | -1365.0 | 16.83 | 74.06 | -0.532 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 22:00:00 | 89 | 8112.5 | 1342.5 | 0.0 | -1342.5 | 16.55 | 62.81 | -1.595 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 22:15:00 | 90 | 8112.5 | 1350.0 | 0.0 | -1350.0 | 16.64 | 66.56 | -2.127 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 22:30:00 | 91 | 8112.5 | 1322.5 | 0.0 | -1322.5 | 16.3 | 52.81 | 1.063 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 22:45:00 | 92 | 8112.5 | 1362.5 | 0.0 | -1362.5 | 16.8 | 72.81 | -2.658 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 23:00:00 | 93 | 8112.5 | 1370.0 | 0.0 | -1370.0 | 16.89 | 76.56 | -2.658 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 23:15:00 | 94 | 8112.5 | 1375.0 | 0.0 | -1375.0 | 16.95 | 79.06 | 0.000 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 23:30:00 | 95 | 8112.5 | 1367.5 | 0.0 | -1367.5 | 16.86 | 75.31 | 0.000 | 0.000000 |
| Savlaj 110 kV | 10/01/2020 23:45:00 | 96 | 8112.5 | 1362.5 | 0.0 | -1362.5 | 16.8 | 72.81 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Savlaj 110 kV | 11/01/2020 00:00:00 | 1 | 8112.5 | 1100.0 | 0.0 | -1100.0 | 13.56 | 0.00 | 0.000 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 00:15:00 | 2 | 8112.5 | 1125.0 | 0.0 | -1125.0 | 13.87 | 0.00 | -2.629 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 00:30:00 | 3 | 8112.5 | 1097.5 | 0.0 | -1097.5 | 13.53 | 0.00 | -1.577 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 00:45:00 | 4 | 8112.5 | 1102.5 | 0.0 | -1102.5 | 13.59 | 0.00 | 2.103 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 01:00:00 | 5 | 8112.5 | 1090.0 | 0.0 | -1090.0 | 13.44 | 0.00 | 2.964 | 512.096334 |
| Savlaj 110 kV | 11/01/2020 01:15:00 | 6 | 8112.5 | 1082.5 | 0.0 | -1082.5 | 13.34 | 0.00 | 1.052 | 71.392843 |
| Savlaj 110 kV | 11/01/2020 01:30:00 | 7 | 8112.5 | 1097.5 | 0.0 | -1097.5 | 13.53 | 0.00 | 1.577 | 128.868213 |
| Savlaj 110 kV | 11/01/2020 01:45:00 | 8 | 8112.5 | 1110.0 | 0.0 | -1110.0 | 13.68 | 0.00 | -0.526 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 02:00:00 | 9 | 8112.5 | 1115.0 | 0.0 | -1115.0 | 13.74 | 0.00 | -0.403 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 02:15:00 | 10 | 8112.5 | 1112.5 | 0.0 | -1112.5 | 13.71 | 0.00 | -0.630 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 02:30:00 | 11 | 8112.5 | 1117.5 | 0.0 | -1117.5 | 13.78 | 0.00 | -0.526 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 02:45:00 | 12 | 8112.5 | 1082.5 | 0.0 | -1082.5 | 13.34 | 0.00 | -0.526 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 03:00:00 | 13 | 8112.5 | 1102.5 | 0.0 | -1102.5 | 13.59 | 0.00 | -1.051 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 03:15:00 | 14 | 8112.5 | 1110.0 | 0.0 | -1110.0 | 13.68 | 0.00 | 0.000 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 03:30:00 | 15 | 8112.5 | 1110.0 | 0.0 | -1110.0 | 13.68 | 0.00 | 0.000 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 03:45:00 | 16 | 8112.5 | 1107.5 | 0.0 | -1107.5 | 13.65 | 0.00 | 0.000 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 04:00:00 | 17 | 8112.5 | 1092.5 | 0.0 | -1092.5 | 13.47 | 0.00 | 0.000 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 04:15:00 | 18 | 8112.5 | 1100.0 | 0.0 | -1100.0 | 13.56 | 0.00 | -1.051 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 04:30:00 | 19 | 8112.5 | 1105.0 | 0.0 | -1105.0 | 13.62 | 0.00 | -2.964 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 04:45:00 | 20 | 8112.5 | 1125.0 | 0.0 | -1125.0 | 13.87 | 0.00 | -3.300 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 05:00:00 | 21 | 8112.5 | 1145.0 | 0.0 | -1145.0 | 14.11 | 0.00 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Savlaj 110 kV | 11/01/2020 05:15:00 | 22 | 8112.5 | 1107.5 | 0.0 | -1107.5 | 13.65 | 0.00 | 5.314 | 1387.691170 |
| Savlaj 110 kV | 11/01/2020 05:30:00 | 23 | 8112.5 | 1095.0 | 0.0 | -1095.0 | 13.5 | 0.00 | 2.964 | 662.969151 |
| Savlaj 110 kV | 11/01/2020 05:45:00 | 24 | 8112.5 | 1077.5 | 0.0 | -1077.5 | 13.28 | 0.00 | 2.103 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 06:00:00 | 25 | 8112.5 | 1097.5 | 0.0 | -1097.5 | 13.53 | 0.00 | 3.636 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 06:15:00 | 26 | 8112.5 | 1115.0 | 0.0 | -1115.0 | 13.74 | 0.00 | 2.964 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 06:30:00 | 27 | 8112.5 | 1110.0 | 0.0 | -1110.0 | 13.68 | 0.00 | 4.105 | 815.439816 |
| Savlaj 110 kV | 11/01/2020 06:45:00 | 28 | 8112.5 | 1107.5 | 0.0 | -1107.5 | 13.65 | 0.00 | 5.650 | 171.277438 |
| Savlaj 110 kV | 11/01/2020 07:00:00 | 29 | 8112.5 | 1102.5 | 0.0 | -1102.5 | 13.59 | 0.00 | 3.300 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 07:15:00 | 30 | 8112.5 | 1082.5 | 0.0 | -1082.5 | 13.34 | 0.00 | 5.314 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 07:30:00 | 31 | 8112.5 | 1117.5 | 0.0 | -1117.5 | 13.78 | 0.00 | 2.964 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 07:45:00 | 32 | 8112.5 | 1100.0 | 0.0 | -1100.0 | 13.56 | 0.00 | 2.103 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 08:00:00 | 33 | 8112.5 | 1125.0 | 0.0 | -1125.0 | 13.87 | 0.00 | -1.577 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 08:15:00 | 34 | 8112.5 | 1105.0 | 0.0 | -1105.0 | 13.62 | 0.00 | 3.300 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 08:30:00 | 35 | 8112.5 | 1102.5 | 0.0 | -1102.5 | 13.59 | 0.00 | 2.116 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 08:45:00 | 36 | 8112.5 | 1090.0 | 0.0 | -1090.0 | 13.44 | 0.00 | 2.964 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 09:00:00 | 37 | 8112.5 | 1107.5 | 0.0 | -1107.5 | 13.65 | 0.00 | 6.681 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 09:15:00 | 38 | 8112.5 | 1090.0 | 0.0 | -1090.0 | 13.44 | 0.00 | 6.657 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 09:30:00 | 39 | 8112.5 | 1077.5 | 0.0 | -1077.5 | 13.28 | 0.00 | -6.322 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 09:45:00 | 40 | 8112.5 | 1102.5 | 0.0 | -1102.5 | 13.59 | 0.00 | -2.103 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 10:00:00 | 41 | 8112.5 | 1115.0 | 0.0 | -1115.0 | 13.74 | 0.00 | 0.526 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 10:15:00 | 42 | 8112.5 | 1130.0 | 0.0 | -1130.0 | 13.93 | 0.00 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Savlaj 110 kV | 11/01/2020 10:30:00 | 43 | 8112.5 | 1112.5 | 0.0 | -1112.5 | 13.71 | 0.00 | 0.000 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 10:45:00 | 44 | 8112.5 | 1102.5 | 0.0 | -1102.5 | 13.59 | 0.00 | 0.000 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 11:00:00 | 45 | 8112.5 | 1077.5 | 0.0 | -1077.5 | 13.28 | 0.00 | 0.000 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 11:15:00 | 46 | 8112.5 | 1097.5 | 0.0 | -1097.5 | 13.53 | 0.00 | -2.964 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 11:30:00 | 47 | 8112.5 | 1115.0 | 0.0 | -1115.0 | 13.74 | 0.00 | -4.307 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 11:45:00 | 48 | 8112.5 | 1110.0 | 0.0 | -1110.0 | 13.68 | 0.00 | -3.300 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 12:00:00 | 49 | 8112.5 | 1110.0 | 0.0 | -1110.0 | 13.68 | 0.00 | -0.526 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 12:15:00 | 50 | 8112.5 | 1097.5 | 0.0 | -1097.5 | 13.53 | 0.00 | -2.103 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 12:30:00 | 51 | 8112.5 | 1105.0 | 0.0 | -1105.0 | 13.62 | 0.00 | -2.629 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 12:45:00 | 52 | 8112.5 | 1087.5 | 0.0 | -1087.5 | 13.41 | 0.00 | -2.629 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 13:00:00 | 53 | 8112.5 | 1112.5 | 0.0 | -1112.5 | 13.71 | 0.00 | 0.000 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 13:15:00 | 54 | 8112.5 | 1105.0 | 0.0 | -1105.0 | 13.62 | 0.00 | -2.103 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 13:30:00 | 55 | 8112.5 | 1120.0 | 0.0 | -1120.0 | 13.81 | 0.00 | 2.629 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 13:45:00 | 56 | 8112.5 | 1092.5 | 0.0 | -1092.5 | 13.47 | 0.00 | 2.103 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 14:00:00 | 57 | 8112.5 | 1105.0 | 0.0 | -1105.0 | 13.62 | 0.00 | 1.051 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 14:15:00 | 58 | 8112.5 | 1067.5 | 0.0 | -1067.5 | 13.16 | 0.00 | 3.300 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 14:30:00 | 59 | 8112.5 | 1107.5 | 0.0 | -1107.5 | 13.65 | 0.00 | -3.636 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 14:45:00 | 60 | 8112.5 | 1105.0 | 0.0 | -1105.0 | 13.62 | 0.00 | 4.979 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 15:00:00 | 61 | 8112.5 | 1125.0 | 0.0 | -1125.0 | 13.87 | 0.00 | -2.964 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 15:15:00 | 62 | 8112.5 | 1120.0 | 0.0 | -1120.0 | 13.81 | 0.00 | -5.314 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 15:30:00 | 63 | 8112.5 | 1092.5 | 0.0 | -1092.5 | 13.47 | 0.00 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Savlaj 110 kV | 11/01/2020 15:45:00 | 64 | 8112.5 | 1105.0 | 0.0 | -1105.0 | 13.62 | 0.00 | 4.643 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 16:00:00 | 65 | 8112.5 | 1072.5 | 0.0 | -1072.5 | 13.22 | 0.00 | 2.103 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 16:15:00 | 66 | 8112.5 | 1107.5 | 0.0 | -1107.5 | 13.65 | 0.00 | -2.964 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 16:30:00 | 67 | 8112.5 | 1100.0 | 0.0 | -1100.0 | 13.56 | 0.00 | -2.103 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 16:45:00 | 68 | 8112.5 | 1125.0 | 0.0 | -1125.0 | 13.87 | 0.00 | 3.972 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 17:00:00 | 69 | 8112.5 | 1092.5 | 0.0 | -1092.5 | 13.47 | 0.00 | -1.577 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 17:15:00 | 70 | 8112.5 | 1100.0 | 0.0 | -1100.0 | 13.56 | 0.00 | -1.577 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 17:30:00 | 71 | 8112.5 | 1072.5 | 0.0 | -1072.5 | 13.22 | 0.00 | 1.051 | 13.684397 |
| Savlaj 110 kV | 11/01/2020 17:45:00 | 72 | 8112.5 | 1112.5 | 0.0 | -1112.5 | 13.71 | 0.00 | -2.103 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 18:00:00 | 73 | 8112.5 | 1120.0 | 0.0 | -1120.0 | 13.81 | 0.00 | -2.964 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 18:15:00 | 74 | 8112.5 | 1125.0 | 0.0 | -1125.0 | 13.87 | 0.00 | -2.629 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 18:30:00 | 75 | 8112.5 | 1105.0 | 0.0 | -1105.0 | 13.62 | 0.00 | 2.103 | 38.843507 |
| Savlaj 110 kV | 11/01/2020 18:45:00 | 76 | 8112.5 | 1102.5 | 0.0 | -1102.5 | 13.59 | 0.00 | 0.526 | 113.476835 |
| Savlaj 110 kV | 11/01/2020 19:00:00 | 77 | 8112.5 | 1090.0 | 0.0 | -1090.0 | 13.44 | 0.00 | 2.103 | 445.588236 |
| Savlaj 110 kV | 11/01/2020 19:15:00 | 78 | 8112.5 | 1082.5 | 0.0 | -1082.5 | 13.34 | 0.00 | -1.052 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 19:30:00 | 79 | 8112.5 | 1097.5 | 0.0 | -1097.5 | 13.53 | 0.00 | 2.964 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 19:45:00 | 80 | 8112.5 | 1110.0 | 0.0 | -1110.0 | 13.68 | 0.00 | 2.629 | 825.658985 |
| Savlaj 110 kV | 11/01/2020 20:00:00 | 81 | 8112.5 | 1115.0 | 0.0 | -1115.0 | 13.74 | 0.00 | 2.629 | 181.333249 |
| Savlaj 110 kV | 11/01/2020 20:15:00 | 82 | 8112.5 | 1107.5 | 0.0 | -1107.5 | 13.65 | 0.00 | 4.307 | 593.924921 |
| Savlaj 110 kV | 11/01/2020 20:30:00 | 83 | 8112.5 | 1110.0 | 0.0 | -1110.0 | 13.68 | 0.00 | 2.964 | 1526.262334 |
| Savlaj 110 kV | 11/01/2020 20:45:00 | 84 | 8112.5 | 1082.5 | 0.0 | -1082.5 | 13.34 | 0.00 | 2.629 | 1277.677888 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Savlaj 110 kV | 11/01/2020 21:00:00 | 85 | 8112.5 | 1102.5 | 0.0 | -1102.5 | 13.59 | 0.00 | 3.636 | 236.340747 |
| Savlaj 110 kV | 11/01/2020 21:15:00 | 86 | 8112.5 | 1110.0 | 0.0 | -1110.0 | 13.68 | 0.00 | -1.577 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 21:30:00 | 87 | 8112.5 | 1110.0 | 0.0 | -1110.0 | 13.68 | 0.00 | -1.577 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 21:45:00 | 88 | 8112.5 | 1115.0 | 0.0 | -1115.0 | 13.74 | 0.00 | -1.052 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 22:00:00 | 89 | 8112.5 | 1092.5 | 0.0 | -1092.5 | 13.47 | 0.00 | -5.650 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 22:15:00 | 90 | 8112.5 | 1100.0 | 0.0 | -1100.0 | 13.56 | 0.00 | -5.650 | 0.000000 |
| Savlaj 110 kV | 11/01/2020 22:30:00 | 91 | 8112.5 | 1072.5 | 0.0 | -1072.5 | 13.22 | 0.00 | 4.979 | 517.112983 |
| Savlaj 110 kV | 11/01/2020 22:45:00 | 92 | 8112.5 | 1112.5 | 0.0 | -1112.5 | 13.71 | 0.00 | 2.964 | 698.630963 |
| Savlaj 110 kV | 11/01/2020 23:00:00 | 93 | 8112.5 | 1120.0 | 0.0 | -1120.0 | 13.81 | 0.00 | 1.577 | 175.131883 |
| Savlaj 110 kV | 11/01/2020 23:15:00 | 94 | 8112.5 | 1125.0 | 0.0 | -1125.0 | 13.87 | 0.00 | 1.074 | 143.887157 |
| Savlaj 110 kV | 11/01/2020 23:30:00 | 95 | 8112.5 | 1117.5 | 0.0 | -1117.5 | 13.78 | 0.00 | 2.113 | 644.225805 |
| Savlaj 110 kV | 11/01/2020 23:45:00 | 96 | 8112.5 | 1112.5 | 0.0 | -1112.5 | 13.71 | 0.00 | 2.162 | 826.814796 |
| Savlaj 110 kV | 12/01/2020 00:00:00 | 1 | 8112.5 | 1100.0 | 0.0 | -1100.0 | 13.56 | 0.00 | 3.022 | 676.574611 |
| Savlaj 110 kV | 12/01/2020 00:15:00 | 2 | 8112.5 | 1125.0 | 0.0 | -1125.0 | 13.87 | 0.00 | -2.152 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 00:30:00 | 3 | 8112.5 | 1097.5 | 0.0 | -1097.5 | 13.53 | 0.00 | -2.152 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 00:45:00 | 4 | 8112.5 | 1102.5 | 0.0 | -1102.5 | 13.59 | 0.00 | -3.022 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 01:00:00 | 5 | 8112.5 | 1090.0 | 0.0 | -1090.0 | 13.44 | 0.00 | -0.629 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 01:15:00 | 6 | 8112.5 | 1082.5 | 0.0 | -1082.5 | 13.34 | 0.00 | -3.317 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 01:30:00 | 7 | 8112.5 | 1097.5 | 0.0 | -1097.5 | 13.53 | 0.00 | -3.354 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 01:45:00 | 8 | 8112.5 | 1110.0 | 0.0 | -1110.0 | 13.68 | 0.00 | -3.022 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 02:00:00 | 9 | 8112.5 | 1115.0 | 0.0 | -1115.0 | 13.74 | 0.00 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Savlaj 110 kV | 12/01/2020 02:15:00 | 10 | 8112.5 | 1112.5 | 0.0 | -1112.5 | 13.71 | 0.00 | -3.022 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 02:30:00 | 11 | 8112.5 | 1117.5 | 0.0 | -1117.5 | 13.78 | 0.00 | -2.690 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 02:45:00 | 12 | 8112.5 | 1082.5 | 0.0 | -1082.5 | 13.34 | 0.00 | -3.022 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 03:00:00 | 13 | 8112.5 | 1102.5 | 0.0 | -1102.5 | 13.59 | 0.00 | 3.354 | 522.019475 |
| Savlaj 110 kV | 12/01/2020 03:15:00 | 14 | 8112.5 | 1110.0 | 0.0 | -1110.0 | 13.68 | 0.00 | 3.022 | 644.538123 |
| Savlaj 110 kV | 12/01/2020 03:30:00 | 15 | 8112.5 | 1110.0 | 0.0 | -1110.0 | 13.68 | 0.00 | 3.354 | 239.060280 |
| Savlaj 110 kV | 12/01/2020 03:45:00 | 16 | 8112.5 | 1107.5 | 0.0 | -1107.5 | 13.65 | 0.00 | 2.152 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 04:00:00 | 17 | 8112.5 | 1092.5 | 0.0 | -1092.5 | 13.47 | 0.00 | -2.152 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 04:15:00 | 18 | 8112.5 | 1100.0 | 0.0 | -1100.0 | 13.56 | 0.00 | -3.022 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 04:30:00 | 19 | 8112.5 | 1105.0 | 0.0 | -1105.0 | 13.62 | 0.00 | 1.076 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 04:45:00 | 20 | 8112.5 | 1125.0 | 0.0 | -1125.0 | 13.87 | 0.00 | -3.022 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 05:00:00 | 21 | 8112.5 | 1145.0 | 0.0 | -1145.0 | 14.11 | 0.00 | 3.686 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 05:15:00 | 22 | 8112.5 | 1107.5 | 0.0 | -1107.5 | 13.65 | 0.00 | 3.686 | 1221.872155 |
| Savlaj 110 kV | 12/01/2020 05:30:00 | 23 | 8112.5 | 1095.0 | 0.0 | -1095.0 | 13.5 | 0.00 | -1.614 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 05:45:00 | 24 | 8112.5 | 1077.5 | 0.0 | -1077.5 | 13.28 | 0.00 | -0.496 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 06:00:00 | 25 | 8112.5 | 1097.5 | 0.0 | -1097.5 | 13.53 | 0.00 | 0.000 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 06:15:00 | 26 | 8112.5 | 1115.0 | 0.0 | -1115.0 | 13.74 | 0.00 | -0.430 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 06:30:00 | 27 | 8112.5 | 1110.0 | 0.0 | -1110.0 | 13.68 | 0.00 | -2.152 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 06:45:00 | 28 | 8112.5 | 1107.5 | 0.0 | -1107.5 | 13.65 | 0.00 | 4.681 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 07:00:00 | 29 | 8112.5 | 1102.5 | 0.0 | -1102.5 | 13.59 | 0.00 | 1.614 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 07:15:00 | 30 | 8112.5 | 1082.5 | 0.0 | -1082.5 | 13.34 | 0.00 | 3.838 | 895.938134 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Savlaj 110 kV | 12/01/2020 07:30:00 | 31 | 8112.5 | 1117.5 | 0.0 | -1117.5 | 13.78 | 0.00 | 3.022 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 07:45:00 | 32 | 8112.5 | 1100.0 | 0.0 | -1100.0 | 13.56 | 0.00 | 2.690 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 08:00:00 | 33 | 8112.5 | 1125.0 | 0.0 | -1125.0 | 13.87 | 0.00 | -2.690 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 08:15:00 | 34 | 8112.5 | 1105.0 | 0.0 | -1105.0 | 13.62 | 0.00 | -4.018 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 08:30:00 | 35 | 8112.5 | 1102.5 | 0.0 | -1102.5 | 13.59 | 0.00 | -2.690 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 08:45:00 | 36 | 8112.5 | 1090.0 | 0.0 | -1090.0 | 13.44 | 0.00 | 3.022 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 09:00:00 | 37 | 8112.5 | 1107.5 | 0.0 | -1107.5 | 13.65 | 0.00 | -3.354 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 09:15:00 | 38 | 8112.5 | 1090.0 | 0.0 | -1090.0 | 13.44 | 0.00 | -4.350 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 09:30:00 | 39 | 8112.5 | 1077.5 | 0.0 | -1077.5 | 13.28 | 0.00 | 2.152 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 09:45:00 | 40 | 8112.5 | 1102.5 | 0.0 | -1102.5 | 13.59 | 0.00 | -2.690 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 10:00:00 | 41 | 8112.5 | 1115.0 | 0.0 | -1115.0 | 13.74 | 0.00 | -3.354 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 10:15:00 | 42 | 8112.5 | 1130.0 | 0.0 | -1130.0 | 13.93 | 0.00 | -3.686 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 10:30:00 | 43 | 8112.5 | 1112.5 | 0.0 | -1112.5 | 13.71 | 0.00 | -1.614 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 10:45:00 | 44 | 8112.5 | 1102.5 | 0.0 | -1102.5 | 13.59 | 0.00 | 3.686 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 11:00:00 | 45 | 8112.5 | 1077.5 | 0.0 | -1077.5 | 13.28 | 0.00 | -3.354 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 11:15:00 | 46 | 8112.5 | 1097.5 | 0.0 | -1097.5 | 13.53 | 0.00 | -5.450 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 11:30:00 | 47 | 8112.5 | 1115.0 | 0.0 | -1115.0 | 13.74 | 0.00 | -6.009 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 11:45:00 | 48 | 8112.5 | 1110.0 | 0.0 | -1110.0 | 13.68 | 0.00 | 2.690 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 12:00:00 | 49 | 8112.5 | 1110.0 | 0.0 | -1110.0 | 13.68 | 0.00 | 3.686 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 12:15:00 | 50 | 8112.5 | 1097.5 | 0.0 | -1097.5 | 13.53 | 0.00 | -5.345 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 12:30:00 | 51 | 8112.5 | 1105.0 | 0.0 | -1105.0 | 13.62 | 0.00 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Savlaj 110 kV | 12/01/2020 12:45:00 | 52 | 8112.5 | 1087.5 | 0.0 | -1087.5 | 13.41 | 0.00 | -5.345 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 13:00:00 | 53 | 8112.5 | 1112.5 | 0.0 | -1112.5 | 13.71 | 0.00 | -3.999 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 13:15:00 | 54 | 8112.5 | 1105.0 | 0.0 | -1105.0 | 13.62 | 0.00 | -4.350 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 13:30:00 | 55 | 8112.5 | 1120.0 | 0.0 | -1120.0 | 13.81 | 0.00 | -1.076 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 13:45:00 | 56 | 8112.5 | 1092.5 | 0.0 | -1092.5 | 13.47 | 0.00 | -2.690 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 14:00:00 | 57 | 8112.5 | 1105.0 | 0.0 | -1105.0 | 13.62 | 0.00 | -0.538 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 14:15:00 | 58 | 8112.5 | 1067.5 | 0.0 | -1067.5 | 13.16 | 0.00 | -2.152 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 14:30:00 | 59 | 8112.5 | 1107.5 | 0.0 | -1107.5 | 13.65 | 0.00 | -2.690 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 14:45:00 | 60 | 8112.5 | 1105.0 | 0.0 | -1105.0 | 13.62 | 0.00 | -1.076 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 15:00:00 | 61 | 8112.5 | 1125.0 | 0.0 | -1125.0 | 13.87 | 0.00 | 0.000 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 15:15:00 | 62 | 8112.5 | 1120.0 | 0.0 | -1120.0 | 13.81 | 0.00 | -2.690 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 15:30:00 | 63 | 8112.5 | 1092.5 | 0.0 | -1092.5 | 13.47 | 0.00 | -3.022 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 15:45:00 | 64 | 8112.5 | 1105.0 | 0.0 | -1105.0 | 13.62 | 0.00 | -3.686 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 16:00:00 | 65 | 8112.5 | 1072.5 | 0.0 | -1072.5 | 13.22 | 0.00 | -3.737 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 16:15:00 | 66 | 8112.5 | 1107.5 | 0.0 | -1107.5 | 13.65 | 0.00 | -5.786 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 16:30:00 | 67 | 8112.5 | 1100.0 | 0.0 | -1100.0 | 13.56 | 0.00 | -4.350 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 16:45:00 | 68 | 8112.5 | 1125.0 | 0.0 | -1125.0 | 13.87 | 0.00 | -1.614 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 17:00:00 | 69 | 8112.5 | 1092.5 | 0.0 | -1092.5 | 13.47 | 0.00 | 0.000 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 17:15:00 | 70 | 8112.5 | 1100.0 | 0.0 | -1100.0 | 13.56 | 0.00 | 2.690 | 285.179120 |
| Savlaj 110 kV | 12/01/2020 17:30:00 | 71 | 8112.5 | 1072.5 | 0.0 | -1072.5 | 13.22 | 0.00 | -3.022 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 17:45:00 | 72 | 8112.5 | 1112.5 | 0.0 | -1112.5 | 13.71 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Savlaj 110 kV | 12/01/2020 18:00:00 | 73 | 8112.5 | 1120.0 | 0.0 | -1120.0 | 13.81 | 0.00 | -0.538 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 18:15:00 | 74 | 8112.5 | 1125.0 | 0.0 | -1125.0 | 13.87 | 0.00 | -4.350 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 18:30:00 | 75 | 8112.5 | 1105.0 | 0.0 | -1105.0 | 13.62 | 0.00 | 2.690 | 190.021500 |
| Savlaj 110 kV | 12/01/2020 18:45:00 | 76 | 8112.5 | 1102.5 | 0.0 | -1102.5 | 13.59 | 0.00 | 3.022 | 1221.422501 |
| Savlaj 110 kV | 12/01/2020 19:00:00 | 77 | 8112.5 | 1090.0 | 0.0 | -1090.0 | 13.44 | 0.00 | 3.686 | 387.884162 |
| Savlaj 110 kV | 12/01/2020 19:15:00 | 78 | 8112.5 | 1082.5 | 0.0 | -1082.5 | 13.34 | 0.00 | 2.690 | 22.865707 |
| Savlaj 110 kV | 12/01/2020 19:30:00 | 79 | 8112.5 | 1097.5 | 0.0 | -1097.5 | 13.53 | 0.00 | -3.022 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 19:45:00 | 80 | 8112.5 | 1110.0 | 0.0 | -1110.0 | 13.68 | 0.00 | -1.781 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 20:00:00 | 81 | 8112.5 | 1115.0 | 0.0 | -1115.0 | 13.74 | 0.00 | -3.021 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 20:15:00 | 82 | 8112.5 | 1107.5 | 0.0 | -1107.5 | 13.65 | 0.00 | -4.018 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 20:30:00 | 83 | 8112.5 | 1110.0 | 0.0 | -1110.0 | 13.68 | 0.00 | -3.354 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 20:45:00 | 84 | 8112.5 | 1082.5 | 0.0 | -1082.5 | 13.34 | 0.00 | -1.614 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 21:00:00 | 85 | 8112.5 | 1102.5 | 0.0 | -1102.5 | 13.59 | 0.00 | -4.350 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 21:15:00 | 86 | 8112.5 | 1110.0 | 0.0 | -1110.0 | 13.68 | 0.00 | -3.686 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 21:30:00 | 87 | 8112.5 | 1110.0 | 0.0 | -1110.0 | 13.68 | 0.00 | -1.614 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 21:45:00 | 88 | 8112.5 | 1115.0 | 0.0 | -1115.0 | 13.74 | 0.00 | 0.000 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 22:00:00 | 89 | 8112.5 | 1092.5 | 0.0 | -1092.5 | 13.47 | 0.00 | -3.354 | 0.000000 |
| Savlaj 110 kV | 12/01/2020 22:15:00 | 90 | 8112.5 | 1100.0 | 0.0 | -1100.0 | 13.56 | 0.00 | 4.350 | 1343.045881 |
| Savlaj 110 kV | 12/01/2020 22:30:00 | 91 | 8112.5 | 1072.5 | 0.0 | -1072.5 | 13.22 | 0.00 | 5.215 | 2469.577852 |
| Savlaj 110 kV | 12/01/2020 22:45:00 | 92 | 8112.5 | 1112.5 | 0.0 | -1112.5 | 13.71 | 0.00 | 3.022 | 250.768251 |
| Savlaj 110 kV | 12/01/2020 23:00:00 | 93 | 8112.5 | 1120.0 | 0.0 | -1120.0 | 13.81 | 0.00 | 3.022 | 552.969257 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Savlaj 110 kV | 12/01/2020 23:15:00 | 94 | 8112.5 | 1125.0 | 0.0 | -1125.0 | 13.87 | 0.00 | 2.152 | 553.058600 |
| Savlaj 110 kV | 12/01/2020 23:30:00 | 95 | 8112.5 | 1117.5 | 0.0 | -1117.5 | 13.78 | 0.00 | 2.152 | 316.139696 |
| Savlaj 110 kV | 12/01/2020 23:45:00 | 96 | 8112.5 | 1112.5 | 0.0 | -1112.5 | 13.71 | 0.00 | 2.152 | 361.616571 |
| Sawargaon Gorhe 33kV | 06/01/2020 00:00:00 | 1 | 2625.0 | 345.0 | 0.0 | -345.0 | 13.14 | 0.00 | 2.903 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 00:15:00 | 2 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | 0.000 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 00:30:00 | 3 | 2625.0 | 282.5 | 0.0 | -282.5 | 10.76 | 0.00 | 0.000 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 00:45:00 | 4 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | -0.984 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 01:00:00 | 5 | 2625.0 | 235.0 | 0.0 | -235.0 | 8.95 | 0.00 | -3.541 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 01:15:00 | 6 | 2625.0 | 237.5 | 0.0 | -237.5 | 9.05 | 0.00 | 3.222 | 5.701844 |
| Sawargaon Gorhe 33kV | 06/01/2020 01:30:00 | 7 | 2625.0 | 260.0 | 0.0 | -260.0 | 9.9 | 0.00 | 3.541 | 70.169416 |
| Sawargaon Gorhe 33kV | 06/01/2020 01:45:00 | 8 | 2625.0 | 245.0 | 0.0 | -245.0 | 9.33 | 0.00 | 2.352 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 02:00:00 | 9 | 2625.0 | 237.5 | 0.0 | -237.5 | 9.05 | 0.00 | 1.747 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 02:15:00 | 10 | 2625.0 | 260.0 | 0.0 | -260.0 | 9.9 | 0.00 | 0.581 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 02:30:00 | 11 | 2625.0 | 270.0 | 0.0 | -270.0 | 10.29 | 0.00 | -2.323 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 02:45:00 | 12 | 2625.0 | 267.5 | 0.0 | -267.5 | 10.19 | 0.00 | 2.323 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 03:00:00 | 13 | 2625.0 | 235.0 | 0.0 | -235.0 | 8.95 | 0.00 | 2.323 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 03:15:00 | 14 | 2625.0 | 237.5 | 0.0 | -237.5 | 9.05 | 0.00 | -1.742 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 03:30:00 | 15 | 2625.0 | 260.0 | 0.0 | -260.0 | 9.9 | 0.00 | 3.222 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 03:45:00 | 16 | 2625.0 | 245.0 | 0.0 | -245.0 | 9.33 | 0.00 | 3.541 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 04:00:00 | 17 | 2625.0 | 237.5 | 0.0 | -237.5 | 9.05 | 0.00 | 4.496 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 04:15:00 | 18 | 2625.0 | 260.0 | 0.0 | -260.0 | 9.9 | 0.00 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sawargaon Gorhe 33kV | 06/01/2020 04:30:00 | 19 | 2625.0 | 270.0 | 0.0 | -270.0 | 10.29 | 0.00 | 3.859 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 04:45:00 | 20 | 2625.0 | 267.5 | 0.0 | -267.5 | 10.19 | 0.00 | 4.815 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 05:00:00 | 21 | 2625.0 | 270.0 | 0.0 | -270.0 | 10.29 | 0.00 | 3.859 | 118.416838 |
| Sawargaon Gorhe 33kV | 06/01/2020 05:15:00 | 22 | 2625.0 | 277.5 | 0.0 | -277.5 | 10.57 | 0.00 | 6.407 | 219.720057 |
| Sawargaon Gorhe 33kV | 06/01/2020 05:30:00 | 23 | 2625.0 | 282.5 | 0.0 | -282.5 | 10.76 | 0.00 | 6.496 | 331.137610 |
| Sawargaon Gorhe 33kV | 06/01/2020 05:45:00 | 24 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | 7.492 | 180.533505 |
| Sawargaon Gorhe 33kV | 06/01/2020 06:00:00 | 25 | 2625.0 | 260.0 | 0.0 | -260.0 | 9.9 | 0.00 | -5.452 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 06:15:00 | 26 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -6.089 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 06:30:00 | 27 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -7.044 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 06:45:00 | 28 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | 7.682 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 07:00:00 | 29 | 2625.0 | 277.5 | 0.0 | -277.5 | 10.57 | 0.00 | -3.859 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 07:15:00 | 30 | 2625.0 | 272.5 | 0.0 | -272.5 | 10.38 | 0.00 | 4.815 | 135.301147 |
| Sawargaon Gorhe 33kV | 06/01/2020 07:30:00 | 31 | 2625.0 | 265.0 | 0.0 | -265.0 | 10.1 | 0.00 | 4.178 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 07:45:00 | 32 | 2625.0 | 260.0 | 0.0 | -260.0 | 9.9 | 0.00 | -3.540 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 08:00:00 | 33 | 2625.0 | 270.0 | 0.0 | -270.0 | 10.29 | 0.00 | -3.859 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 08:15:00 | 34 | 2625.0 | 267.5 | 0.0 | -267.5 | 10.19 | 0.00 | -5.452 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 08:30:00 | 35 | 2625.0 | 270.0 | 0.0 | -270.0 | 10.29 | 0.00 | 4.178 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 08:45:00 | 36 | 2625.0 | 277.5 | 0.0 | -277.5 | 10.57 | 0.00 | -3.859 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 09:00:00 | 37 | 2625.0 | 282.5 | 0.0 | -282.5 | 10.76 | 0.00 | -6.407 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 09:15:00 | 38 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | -8.000 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 09:30:00 | 39 | 2625.0 | 277.5 | 0.0 | -277.5 | 10.57 | 0.00 | -5.770 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sawargaon Gorhe 33kV | 06/01/2020 09:45:00 | 40 | 2625.0 | 245.0 | 0.0 | -245.0 | 9.33 | 0.00 | 3.222 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 10:00:00 | 41 | 2625.0 | 252.5 | 0.0 | -252.5 | 9.62 | 0.00 | -2.903 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 10:15:00 | 42 | 2625.0 | 260.0 | 0.0 | -260.0 | 9.9 | 0.00 | -3.222 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 10:30:00 | 43 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | 4.815 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 10:45:00 | 44 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | 4.496 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 11:00:00 | 45 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | 16.000 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 11:15:00 | 46 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | 5.133 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 11:30:00 | 47 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 1.182 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 11:45:00 | 48 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 6.308 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 12:00:00 | 49 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 6.598 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 12:15:00 | 50 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | 5.431 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 12:30:00 | 51 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 3.540 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 12:45:00 | 52 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | -2.903 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 13:00:00 | 53 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | -1.161 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 13:15:00 | 54 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | 3.859 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 13:30:00 | 55 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | -6.407 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 13:45:00 | 56 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 5.452 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 14:00:00 | 57 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 5.452 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 14:15:00 | 58 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 16.000 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 14:30:00 | 59 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | 6.035 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 14:45:00 | 60 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sawargaon Gorhe 33kV | 06/01/2020 15:00:00 | 61 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | 3.367 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 15:15:00 | 62 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | 3.904 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 15:30:00 | 63 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 4.482 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 15:45:00 | 64 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 4.225 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 16:00:00 | 65 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 2.895 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 16:15:00 | 66 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | 6.089 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 16:30:00 | 67 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -8.000 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 16:45:00 | 68 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | -4.178 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 17:00:00 | 69 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | 1.742 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 17:15:00 | 70 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | 2.903 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 17:30:00 | 71 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | -4.178 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 17:45:00 | 72 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -2.323 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 18:00:00 | 73 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -2.903 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 18:15:00 | 74 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 1.161 | 76.717538 |
| Sawargaon Gorhe 33kV | 06/01/2020 18:30:00 | 75 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | 2.903 | 257.649399 |
| Sawargaon Gorhe 33kV | 06/01/2020 18:45:00 | 76 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | 2.903 | 5.998558 |
| Sawargaon Gorhe 33kV | 06/01/2020 19:00:00 | 77 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | -1.161 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 19:15:00 | 78 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | -4.178 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 19:30:00 | 79 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -2.323 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 19:45:00 | 80 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -4.178 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 20:00:00 | 81 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sawargaon Gorhe 33kV | 06/01/2020 20:15:00 | 82 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | -5.770 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 20:30:00 | 83 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 5.770 | 40.194682 |
| Sawargaon Gorhe 33kV | 06/01/2020 20:45:00 | 84 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | 4.178 | 125.099905 |
| Sawargaon Gorhe 33kV | 06/01/2020 21:00:00 | 85 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | 3.222 | 65.086283 |
| Sawargaon Gorhe 33kV | 06/01/2020 21:15:00 | 86 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | -1.742 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 21:30:00 | 87 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | 0.000 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 21:45:00 | 88 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 1.161 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 22:00:00 | 89 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 4.815 | 171.266697 |
| Sawargaon Gorhe 33kV | 06/01/2020 22:15:00 | 90 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 3.859 | 178.209818 |
| Sawargaon Gorhe 33kV | 06/01/2020 22:30:00 | 91 | 2625.0 | 205.0 | 0.0 | -205.0 | 7.81 | 0.00 | 1.742 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 22:45:00 | 92 | 2625.0 | 197.5 | 0.0 | -197.5 | 7.52 | 0.00 | -2.323 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 23:00:00 | 93 | 2625.0 | 185.0 | 0.0 | -185.0 | 7.05 | 0.00 | -2.903 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 23:15:00 | 94 | 2625.0 | 182.5 | 0.0 | -182.5 | 6.95 | 0.00 | 2.323 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 23:30:00 | 95 | 2625.0 | 190.0 | 0.0 | -190.0 | 7.24 | 0.00 | -3.222 | 0.000000 |
| Sawargaon Gorhe 33kV | 06/01/2020 23:45:00 | 96 | 2625.0 | 182.5 | 0.0 | -182.5 | 6.95 | 0.00 | 2.323 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 00:00:00 | 1 | 2625.0 | 345.0 | 0.0 | -345.0 | 13.14 | 0.00 | -0.549 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 00:15:00 | 2 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | -1.647 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 00:30:00 | 3 | 2625.0 | 282.5 | 0.0 | -282.5 | 10.76 | 0.00 | -3.073 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 00:45:00 | 4 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | -2.744 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 01:00:00 | 5 | 2625.0 | 235.0 | 0.0 | -235.0 | 8.95 | 0.00 | -4.058 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 01:15:00 | 6 | 2625.0 | 237.5 | 0.0 | -237.5 | 9.05 | 0.00 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sawargaon Gorhe 33kV | 07/01/2020 01:30:00 | 7 | 2625.0 | 260.0 | 0.0 | -260.0 | 9.9 | 0.00 | -3.401 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 01:45:00 | 8 | 2625.0 | 245.0 | 0.0 | -245.0 | 9.33 | 0.00 | 3.730 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 02:00:00 | 9 | 2625.0 | 237.5 | 0.0 | -237.5 | 9.05 | 0.00 | 3.073 | 51.705507 |
| Sawargaon Gorhe 33kV | 07/01/2020 02:15:00 | 10 | 2625.0 | 260.0 | 0.0 | -260.0 | 9.9 | 0.00 | 3.073 | 25.310911 |
| Sawargaon Gorhe 33kV | 07/01/2020 02:30:00 | 11 | 2625.0 | 270.0 | 0.0 | -270.0 | 10.29 | 0.00 | 3.401 | 36.763763 |
| Sawargaon Gorhe 33kV | 07/01/2020 02:45:00 | 12 | 2625.0 | 267.5 | 0.0 | -267.5 | 10.19 | 0.00 | 2.745 | 36.328192 |
| Sawargaon Gorhe 33kV | 07/01/2020 03:00:00 | 13 | 2625.0 | 235.0 | 0.0 | -235.0 | 8.95 | 0.00 | 1.647 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 03:15:00 | 14 | 2625.0 | 237.5 | 0.0 | -237.5 | 9.05 | 0.00 | 2.196 | 15.236265 |
| Sawargaon Gorhe 33kV | 07/01/2020 03:30:00 | 15 | 2625.0 | 260.0 | 0.0 | -260.0 | 9.9 | 0.00 | 1.647 | 22.191171 |
| Sawargaon Gorhe 33kV | 07/01/2020 03:45:00 | 16 | 2625.0 | 245.0 | 0.0 | -245.0 | 9.33 | 0.00 | 1.098 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 04:00:00 | 17 | 2625.0 | 237.5 | 0.0 | -237.5 | 9.05 | 0.00 | 1.647 | 86.972460 |
| Sawargaon Gorhe 33kV | 07/01/2020 04:15:00 | 18 | 2625.0 | 260.0 | 0.0 | -260.0 | 9.9 | 0.00 | 2.210 | 186.149105 |
| Sawargaon Gorhe 33kV | 07/01/2020 04:30:00 | 19 | 2625.0 | 270.0 | 0.0 | -270.0 | 10.29 | 0.00 | 3.730 | 272.967799 |
| Sawargaon Gorhe 33kV | 07/01/2020 04:45:00 | 20 | 2625.0 | 267.5 | 0.0 | -267.5 | 10.19 | 0.00 | -1.098 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 05:00:00 | 21 | 2625.0 | 270.0 | 0.0 | -270.0 | 10.29 | 0.00 | -2.744 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 05:15:00 | 22 | 2625.0 | 277.5 | 0.0 | -277.5 | 10.57 | 0.00 | 3.730 | 142.556852 |
| Sawargaon Gorhe 33kV | 07/01/2020 05:30:00 | 23 | 2625.0 | 282.5 | 0.0 | -282.5 | 10.76 | 0.00 | 3.073 | 326.033359 |
| Sawargaon Gorhe 33kV | 07/01/2020 05:45:00 | 24 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | 3.730 | 255.519642 |
| Sawargaon Gorhe 33kV | 07/01/2020 06:00:00 | 25 | 2625.0 | 260.0 | 0.0 | -260.0 | 9.9 | 0.00 | -5.372 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 06:15:00 | 26 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 4.556 | 974.638678 |
| Sawargaon Gorhe 33kV | 07/01/2020 06:30:00 | 27 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 7.148 | 1701.910901 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sawargaon Gorhe 33kV | 07/01/2020 06:45:00 | 28 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | 7.821 | 1507.710951 |
| Sawargaon Gorhe 33kV | 07/01/2020 07:00:00 | 29 | 2625.0 | 277.5 | 0.0 | -277.5 | 10.57 | 0.00 | 5.372 | 737.441635 |
| Sawargaon Gorhe 33kV | 07/01/2020 07:15:00 | 30 | 2625.0 | 272.5 | 0.0 | -272.5 | 10.38 | 0.00 | 16.000 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 07:30:00 | 31 | 2625.0 | 265.0 | 0.0 | -265.0 | 10.1 | 0.00 | 9.296 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 07:45:00 | 32 | 2625.0 | 260.0 | 0.0 | -260.0 | 9.9 | 0.00 | 9.794 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 08:00:00 | 33 | 2625.0 | 270.0 | 0.0 | -270.0 | 10.29 | 0.00 | 3.593 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 08:15:00 | 34 | 2625.0 | 267.5 | 0.0 | -267.5 | 10.19 | 0.00 | 3.401 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 08:30:00 | 35 | 2625.0 | 270.0 | 0.0 | -270.0 | 10.29 | 0.00 | 3.245 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 08:45:00 | 36 | 2625.0 | 277.5 | 0.0 | -277.5 | 10.57 | 0.00 | 0.000 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 09:00:00 | 37 | 2625.0 | 282.5 | 0.0 | -282.5 | 10.76 | 0.00 | 2.745 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 09:15:00 | 38 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | 4.715 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 09:30:00 | 39 | 2625.0 | 277.5 | 0.0 | -277.5 | 10.57 | 0.00 | 3.981 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 09:45:00 | 40 | 2625.0 | 245.0 | 0.0 | -245.0 | 9.33 | 0.00 | 3.730 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 10:00:00 | 41 | 2625.0 | 252.5 | 0.0 | -252.5 | 9.62 | 0.00 | 1.780 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 10:15:00 | 42 | 2625.0 | 260.0 | 0.0 | -260.0 | 9.9 | 0.00 | 5.643 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 10:30:00 | 43 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | 4.976 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 10:45:00 | 44 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | 4.415 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 11:00:00 | 45 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | 4.476 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 11:15:00 | 46 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | 4.826 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 11:30:00 | 47 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 2.289 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 11:45:00 | 48 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -0.549 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sawargaon Gorhe 33kV | 07/01/2020 12:00:00 | 49 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 4.727 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 12:15:00 | 50 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | 4.777 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 12:30:00 | 51 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 4.798 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 12:45:00 | 52 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | -3.401 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 13:00:00 | 53 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | -2.431 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 13:15:00 | 54 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | -4.387 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 13:30:00 | 55 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | -3.401 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 13:45:00 | 56 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -5.044 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 14:00:00 | 57 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 4.215 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 14:15:00 | 58 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 9.552 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 14:30:00 | 59 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | 6.358 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 14:45:00 | 60 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | 2.744 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 15:00:00 | 61 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | -3.073 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 15:15:00 | 62 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | -4.058 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 15:30:00 | 63 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -4.831 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 15:45:00 | 64 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -5.372 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 16:00:00 | 65 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 2.196 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 16:15:00 | 66 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | -3.401 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 16:30:00 | 67 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 4.738 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 16:45:00 | 68 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | 7.343 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 17:00:00 | 69 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sawargaon Gorhe 33kV | 07/01/2020 17:15:00 | 70 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | 2.744 | 48.240379 |
| Sawargaon Gorhe 33kV | 07/01/2020 17:30:00 | 71 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | 3.401 | 18.818387 |
| Sawargaon Gorhe 33kV | 07/01/2020 17:45:00 | 72 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -2.745 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 18:00:00 | 73 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -3.073 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 18:15:00 | 74 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -5.372 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 18:30:00 | 75 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | 3.401 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 18:45:00 | 76 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | -3.401 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 19:00:00 | 77 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | -3.730 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 19:15:00 | 78 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | -4.715 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 19:30:00 | 79 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -4.058 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 19:45:00 | 80 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -2.210 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 20:00:00 | 81 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -2.348 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 20:15:00 | 82 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | 4.387 | 472.097197 |
| Sawargaon Gorhe 33kV | 07/01/2020 20:30:00 | 83 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 3.816 | 602.003134 |
| Sawargaon Gorhe 33kV | 07/01/2020 20:45:00 | 84 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | 3.401 | 148.629178 |
| Sawargaon Gorhe 33kV | 07/01/2020 21:00:00 | 85 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | -4.058 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 21:15:00 | 86 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | 1.647 | 153.710172 |
| Sawargaon Gorhe 33kV | 07/01/2020 21:30:00 | 87 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | 2.196 | 90.881960 |
| Sawargaon Gorhe 33kV | 07/01/2020 21:45:00 | 88 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -2.196 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 22:00:00 | 89 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -3.257 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 22:15:00 | 90 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sawargaon Gorhe 33kV | 07/01/2020 22:30:00 | 91 | 2625.0 | 205.0 | 0.0 | -205.0 | 7.81 | 0.00 | -1.098 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 22:45:00 | 92 | 2625.0 | 197.5 | 0.0 | -197.5 | 7.52 | 0.00 | -1.647 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 23:00:00 | 93 | 2625.0 | 185.0 | 0.0 | -185.0 | 7.05 | 0.00 | -3.401 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 23:15:00 | 94 | 2625.0 | 182.5 | 0.0 | -182.5 | 6.95 | 0.00 | 1.647 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 23:30:00 | 95 | 2625.0 | 190.0 | 0.0 | -190.0 | 7.24 | 0.00 | -2.196 | 0.000000 |
| Sawargaon Gorhe 33kV | 07/01/2020 23:45:00 | 96 | 2625.0 | 182.5 | 0.0 | -182.5 | 6.95 | 0.00 | -0.549 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 00:00:00 | 1 | 2625.0 | 345.0 | 0.0 | -345.0 | 13.14 | 0.00 | -2.220 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 00:15:00 | 2 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | -3.101 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 00:30:00 | 3 | 2625.0 | 282.5 | 0.0 | -282.5 | 10.76 | 0.00 | -3.101 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 00:45:00 | 4 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | -2.424 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 01:00:00 | 5 | 2625.0 | 235.0 | 0.0 | -235.0 | 8.95 | 0.00 | -2.170 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 01:15:00 | 6 | 2625.0 | 237.5 | 0.0 | -237.5 | 9.05 | 0.00 | -1.761 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 01:30:00 | 7 | 2625.0 | 260.0 | 0.0 | -260.0 | 9.9 | 0.00 | -1.665 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 01:45:00 | 8 | 2625.0 | 245.0 | 0.0 | -245.0 | 9.33 | 0.00 | -1.665 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 02:00:00 | 9 | 2625.0 | 237.5 | 0.0 | -237.5 | 9.05 | 0.00 | -1.110 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 02:15:00 | 10 | 2625.0 | 260.0 | 0.0 | -260.0 | 9.9 | 0.00 | -1.347 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 02:30:00 | 11 | 2625.0 | 270.0 | 0.0 | -270.0 | 10.29 | 0.00 | -3.101 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 02:45:00 | 12 | 2625.0 | 267.5 | 0.0 | -267.5 | 10.19 | 0.00 | -2.220 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 03:00:00 | 13 | 2625.0 | 235.0 | 0.0 | -235.0 | 8.95 | 0.00 | -3.428 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 03:15:00 | 14 | 2625.0 | 237.5 | 0.0 | -237.5 | 9.05 | 0.00 | -2.220 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 03:30:00 | 15 | 2625.0 | 260.0 | 0.0 | -260.0 | 9.9 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sawargaon Gorhe 33kV | 08/01/2020 03:45:00 | 16 | 2625.0 | 245.0 | 0.0 | -245.0 | 9.33 | 0.00 | -2.775 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 04:00:00 | 17 | 2625.0 | 237.5 | 0.0 | -237.5 | 9.05 | 0.00 | -3.101 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 04:15:00 | 18 | 2625.0 | 260.0 | 0.0 | -260.0 | 9.9 | 0.00 | -1.665 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 04:30:00 | 19 | 2625.0 | 270.0 | 0.0 | -270.0 | 10.29 | 0.00 | -2.220 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 04:45:00 | 20 | 2625.0 | 267.5 | 0.0 | -267.5 | 10.19 | 0.00 | -2.775 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 05:00:00 | 21 | 2625.0 | 270.0 | 0.0 | -270.0 | 10.29 | 0.00 | -1.110 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 05:15:00 | 22 | 2625.0 | 277.5 | 0.0 | -277.5 | 10.57 | 0.00 | 2.775 | 13.372187 |
| Sawargaon Gorhe 33kV | 08/01/2020 05:30:00 | 23 | 2625.0 | 282.5 | 0.0 | -282.5 | 10.76 | 0.00 | -3.428 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 05:45:00 | 24 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | -2.775 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 06:00:00 | 25 | 2625.0 | 260.0 | 0.0 | -260.0 | 9.9 | 0.00 | -2.220 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 06:15:00 | 26 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 2.220 | 59.887904 |
| Sawargaon Gorhe 33kV | 08/01/2020 06:30:00 | 27 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 5.387 | 530.988800 |
| Sawargaon Gorhe 33kV | 08/01/2020 06:45:00 | 28 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | -4.734 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 07:00:00 | 29 | 2625.0 | 277.5 | 0.0 | -277.5 | 10.57 | 0.00 | -4.407 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 07:15:00 | 30 | 2625.0 | 272.5 | 0.0 | -272.5 | 10.38 | 0.00 | 5.061 | 480.304130 |
| Sawargaon Gorhe 33kV | 08/01/2020 07:30:00 | 31 | 2625.0 | 265.0 | 0.0 | -265.0 | 10.1 | 0.00 | 5.714 | 446.922541 |
| Sawargaon Gorhe 33kV | 08/01/2020 07:45:00 | 32 | 2625.0 | 260.0 | 0.0 | -260.0 | 9.9 | 0.00 | 5.061 | 172.388923 |
| Sawargaon Gorhe 33kV | 08/01/2020 08:00:00 | 33 | 2625.0 | 270.0 | 0.0 | -270.0 | 10.29 | 0.00 | 2.775 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 08:15:00 | 34 | 2625.0 | 267.5 | 0.0 | -267.5 | 10.19 | 0.00 | 2.775 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 08:30:00 | 35 | 2625.0 | 270.0 | 0.0 | -270.0 | 10.29 | 0.00 | 5.387 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 08:45:00 | 36 | 2625.0 | 277.5 | 0.0 | -277.5 | 10.57 | 0.00 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sawargaon Gorhe 33kV | 08/01/2020 09:00:00 | 37 | 2625.0 | 282.5 | 0.0 | -282.5 | 10.76 | 0.00 | 7.673 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 09:15:00 | 38 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | 7.673 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 09:30:00 | 39 | 2625.0 | 277.5 | 0.0 | -277.5 | 10.57 | 0.00 | 3.101 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 09:45:00 | 40 | 2625.0 | 245.0 | 0.0 | -245.0 | 9.33 | 0.00 | -3.101 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 10:00:00 | 41 | 2625.0 | 252.5 | 0.0 | -252.5 | 9.62 | 0.00 | -3.101 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 10:15:00 | 42 | 2625.0 | 260.0 | 0.0 | -260.0 | 9.9 | 0.00 | -3.101 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 10:30:00 | 43 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | -1.665 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 10:45:00 | 44 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | 0.000 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 11:00:00 | 45 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | -1.486 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 11:15:00 | 46 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | -1.305 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 11:30:00 | 47 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -2.425 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 11:45:00 | 48 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -2.775 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 12:00:00 | 49 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -2.083 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 12:15:00 | 50 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | -3.242 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 12:30:00 | 51 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -1.330 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 12:45:00 | 52 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | -0.830 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 13:00:00 | 53 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | 2.775 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 13:15:00 | 54 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | 0.000 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 13:30:00 | 55 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | -1.012 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 13:45:00 | 56 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -1.087 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 14:00:00 | 57 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -3.101 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sawargaon Gorhe 33kV | 08/01/2020 14:15:00 | 58 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -4.081 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 14:30:00 | 59 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | -2.996 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 14:45:00 | 60 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | -3.101 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 15:00:00 | 61 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | -1.879 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 15:15:00 | 62 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | -4.081 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 15:30:00 | 63 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 4.938 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 15:45:00 | 64 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 4.719 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 16:00:00 | 65 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 0.555 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 16:15:00 | 66 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | -4.081 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 16:30:00 | 67 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -3.754 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 16:45:00 | 68 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | -8.000 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 17:00:00 | 69 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | 0.000 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 17:15:00 | 70 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | 4.081 | 55.629356 |
| Sawargaon Gorhe 33kV | 08/01/2020 17:30:00 | 71 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | -5.387 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 17:45:00 | 72 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -3.101 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 18:00:00 | 73 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -2.775 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 18:15:00 | 74 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -3.101 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 18:30:00 | 75 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | -2.220 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 18:45:00 | 76 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | 2.220 | 234.511703 |
| Sawargaon Gorhe 33kV | 08/01/2020 19:00:00 | 77 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | 1.110 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 19:15:00 | 78 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sawargaon Gorhe 33kV | 08/01/2020 19:30:00 | 79 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -2.220 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 19:45:00 | 80 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -0.555 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 20:00:00 | 81 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 2.775 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 20:15:00 | 82 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | 3.101 | 505.804577 |
| Sawargaon Gorhe 33kV | 08/01/2020 20:30:00 | 83 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 4.408 | 668.236526 |
| Sawargaon Gorhe 33kV | 08/01/2020 20:45:00 | 84 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | 3.101 | 197.956007 |
| Sawargaon Gorhe 33kV | 08/01/2020 21:00:00 | 85 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | 3.101 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 21:15:00 | 86 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | -0.555 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 21:30:00 | 87 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | -1.110 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 21:45:00 | 88 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -1.110 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 22:00:00 | 89 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -2.489 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 22:15:00 | 90 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -2.775 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 22:30:00 | 91 | 2625.0 | 205.0 | 0.0 | -205.0 | 7.81 | 0.00 | -2.223 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 22:45:00 | 92 | 2625.0 | 197.5 | 0.0 | -197.5 | 7.52 | 0.00 | 1.110 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 23:00:00 | 93 | 2625.0 | 185.0 | 0.0 | -185.0 | 7.05 | 0.00 | 1.110 | 19.750791 |
| Sawargaon Gorhe 33kV | 08/01/2020 23:15:00 | 94 | 2625.0 | 182.5 | 0.0 | -182.5 | 6.95 | 0.00 | 1.110 | 0.000000 |
| Sawargaon Gorhe 33kV | 08/01/2020 23:30:00 | 95 | 2625.0 | 190.0 | 0.0 | -190.0 | 7.24 | 0.00 | 2.775 | 1.727199 |
| Sawargaon Gorhe 33kV | 08/01/2020 23:45:00 | 96 | 2625.0 | 182.5 | 0.0 | -182.5 | 6.95 | 0.00 | 0.000 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 00:00:00 | 1 | 2625.0 | 345.0 | 0.0 | -345.0 | 13.14 | 0.00 | -0.576 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 00:15:00 | 2 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | -1.727 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 00:30:00 | 3 | 2625.0 | 282.5 | 0.0 | -282.5 | 10.76 | 0.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sawargaon Gorhe 33kV | 09/01/2020 00:45:00 | 4 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | -2.879 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 01:00:00 | 5 | 2625.0 | 235.0 | 0.0 | -235.0 | 8.95 | 0.00 | -3.519 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 01:15:00 | 6 | 2625.0 | 237.5 | 0.0 | -237.5 | 9.05 | 0.00 | -3.519 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 01:30:00 | 7 | 2625.0 | 260.0 | 0.0 | -260.0 | 9.9 | 0.00 | -3.199 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 01:45:00 | 8 | 2625.0 | 245.0 | 0.0 | -245.0 | 9.33 | 0.00 | 3.519 | 59.531941 |
| Sawargaon Gorhe 33kV | 09/01/2020 02:00:00 | 9 | 2625.0 | 237.5 | 0.0 | -237.5 | 9.05 | 0.00 | 3.519 | 261.465681 |
| Sawargaon Gorhe 33kV | 09/01/2020 02:15:00 | 10 | 2625.0 | 260.0 | 0.0 | -260.0 | 9.9 | 0.00 | 2.879 | 125.537720 |
| Sawargaon Gorhe 33kV | 09/01/2020 02:30:00 | 11 | 2625.0 | 270.0 | 0.0 | -270.0 | 10.29 | 0.00 | 3.199 | 187.565542 |
| Sawargaon Gorhe 33kV | 09/01/2020 02:45:00 | 12 | 2625.0 | 1565.0 | 0.0 | -1565.0 | 59.62 | 1363.13 | 1.152 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 03:00:00 | 13 | 2625.0 | 1532.5 | 0.0 | -1532.5 | 58.38 | 1314.38 | -2.879 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 03:15:00 | 14 | 2625.0 | 1520.0 | 0.0 | -1520.0 | 57.9 | 1295.63 | -3.839 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 03:30:00 | 15 | 2625.0 | 1467.5 | 0.0 | -1467.5 | 55.9 | 1216.88 | 3.199 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 03:45:00 | 16 | 2625.0 | 1407.5 | 0.0 | -1407.5 | 53.62 | 1126.88 | 0.000 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 04:00:00 | 17 | 2625.0 | 1340.0 | 0.0 | -1340.0 | 51.05 | 1025.63 | 1.727 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 04:15:00 | 18 | 2625.0 | 1285.0 | 0.0 | -1285.0 | 48.95 | 943.13 | 1.727 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 04:30:00 | 19 | 2625.0 | 1192.5 | 0.0 | -1192.5 | 45.43 | 804.38 | 1.727 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 04:45:00 | 20 | 2625.0 | 1125.0 | 0.0 | -1125.0 | 42.86 | 703.13 | 2.879 | 969.536307 |
| Sawargaon Gorhe 33kV | 09/01/2020 05:00:00 | 21 | 2625.0 | 1020.0 | 0.0 | -1020.0 | 38.86 | 545.63 | 3.839 | 509.162319 |
| Sawargaon Gorhe 33kV | 09/01/2020 05:15:00 | 22 | 2625.0 | 955.0 | 0.0 | -955.0 | 36.38 | 448.13 | 5.119 | 1347.985119 |
| Sawargaon Gorhe 33kV | 09/01/2020 05:30:00 | 23 | 2625.0 | 895.0 | 0.0 | -895.0 | 34.1 | 370.00 | 4.064 | 2302.301383 |
| Sawargaon Gorhe 33kV | 09/01/2020 05:45:00 | 24 | 2625.0 | 825.0 | 0.0 | -825.0 | 31.43 | 300.00 | 1.152 | 5.820244 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sawargaon Gorhe 33kV | 09/01/2020 06:00:00 | 25 | 2625.0 | 760.0 | 0.0 | -760.0 | 28.95 | 235.00 | -2.303 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 06:15:00 | 26 | 2625.0 | 695.0 | 0.0 | -695.0 | 26.48 | 170.00 | 2.303 | 462.278601 |
| Sawargaon Gorhe 33kV | 09/01/2020 06:30:00 | 27 | 2625.0 | 620.0 | 0.0 | -620.0 | 23.62 | 113.13 | -3.839 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 06:45:00 | 28 | 2625.0 | 550.0 | 0.0 | -550.0 | 20.95 | 78.13 | -2.879 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 07:00:00 | 29 | 2625.0 | 482.5 | 0.0 | -482.5 | 18.38 | 44.38 | -2.879 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 07:15:00 | 30 | 2625.0 | 417.5 | 0.0 | -417.5 | 15.9 | 11.88 | 6.400 | 207.709082 |
| Sawargaon Gorhe 33kV | 09/01/2020 07:30:00 | 31 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | 1.172 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 07:45:00 | 32 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | 0.576 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 08:00:00 | 33 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -0.576 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 08:15:00 | 34 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -1.152 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 08:30:00 | 35 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 0.576 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 08:45:00 | 36 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | 0.000 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 09:00:00 | 37 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 1.152 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 09:15:00 | 38 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | 1.727 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 09:30:00 | 39 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | -3.839 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 09:45:00 | 40 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | -1.152 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 10:00:00 | 41 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | 0.000 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 10:15:00 | 42 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 1.727 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 10:30:00 | 43 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 2.303 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 10:45:00 | 44 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -1.144 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 11:00:00 | 45 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | -4.479 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sawargaon Gorhe 33kV | 09/01/2020 11:15:00 | 46 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | -3.519 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 11:30:00 | 47 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | -2.303 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 11:45:00 | 48 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | -0.576 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 12:00:00 | 49 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 0.000 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 12:15:00 | 50 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 3.839 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 12:30:00 | 51 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 3.199 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 12:45:00 | 52 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | 3.199 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 13:00:00 | 53 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -1.152 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 13:15:00 | 54 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | -1.152 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 13:30:00 | 55 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | 1.727 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 13:45:00 | 56 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | 3.199 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 14:00:00 | 57 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | 4.345 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 14:15:00 | 58 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 3.941 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 14:30:00 | 59 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 1.152 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 14:45:00 | 60 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -0.576 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 15:00:00 | 61 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | -1.006 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 15:15:00 | 62 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | 3.199 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 15:30:00 | 63 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | 2.879 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 15:45:00 | 64 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | 3.839 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 16:00:00 | 65 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 1.727 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 16:15:00 | 66 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sawargaon Gorhe 33kV | 09/01/2020 16:30:00 | 67 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -4.159 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 16:45:00 | 68 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | 3.839 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 17:00:00 | 69 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 1.727 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 17:15:00 | 70 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | 3.839 | 103.974034 |
| Sawargaon Gorhe 33kV | 09/01/2020 17:30:00 | 71 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | -2.879 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 17:45:00 | 72 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | -4.146 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 18:00:00 | 73 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | -3.349 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 18:15:00 | 74 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -4.563 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 18:30:00 | 75 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -3.839 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 18:45:00 | 76 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -2.879 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 19:00:00 | 77 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -3.199 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 19:15:00 | 78 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | -1.727 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 19:30:00 | 79 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -1.442 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 19:45:00 | 80 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | -0.286 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 20:00:00 | 81 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | -1.070 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 20:15:00 | 82 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | -2.236 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 20:30:00 | 83 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | -4.799 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 20:45:00 | 84 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -1.727 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 21:00:00 | 85 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -1.727 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 21:15:00 | 86 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | 1.152 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 21:30:00 | 87 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sawargaon Gorhe 33kV | 09/01/2020 21:45:00 | 88 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | -2.303 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 22:00:00 | 89 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | -2.795 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 22:15:00 | 90 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | -3.674 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 22:30:00 | 91 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | -2.303 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 22:45:00 | 92 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -1.152 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 23:00:00 | 93 | 2625.0 | 535.0 | 0.0 | -535.0 | 20.38 | 70.63 | 0.000 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 23:15:00 | 94 | 2625.0 | 575.0 | 0.0 | -575.0 | 21.9 | 90.63 | -0.576 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 23:30:00 | 95 | 2625.0 | 677.5 | 0.0 | -677.5 | 25.81 | 152.50 | -0.576 | 0.000000 |
| Sawargaon Gorhe 33kV | 09/01/2020 23:45:00 | 96 | 2625.0 | 800.0 | 0.0 | -800.0 | 30.48 | 275.00 | -0.987 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 00:00:00 | 1 | 2625.0 | 882.5 | 0.0 | -882.5 | 33.62 | 357.50 | -0.680 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 00:15:00 | 2 | 2625.0 | 880.0 | 0.0 | -880.0 | 33.52 | 355.00 | -3.326 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 00:30:00 | 3 | 2625.0 | 875.0 | 0.0 | -875.0 | 33.33 | 350.00 | -2.992 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 00:45:00 | 4 | 2625.0 | 872.5 | 0.0 | -872.5 | 33.24 | 347.50 | -0.532 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 01:00:00 | 5 | 2625.0 | 867.5 | 0.0 | -867.5 | 33.05 | 342.50 | -0.713 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 01:15:00 | 6 | 2625.0 | 882.5 | 0.0 | -882.5 | 33.62 | 357.50 | -0.548 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 01:30:00 | 7 | 2625.0 | 880.0 | 0.0 | -880.0 | 33.52 | 355.00 | -2.658 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 01:45:00 | 8 | 2625.0 | 875.0 | 0.0 | -875.0 | 33.33 | 350.00 | 2.127 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 02:00:00 | 9 | 2625.0 | 872.5 | 0.0 | -872.5 | 33.24 | 347.50 | 5.342 | 1709.550171 |
| Sawargaon Gorhe 33kV | 10/01/2020 02:15:00 | 10 | 2625.0 | 867.5 | 0.0 | -867.5 | 33.05 | 342.50 | 1.595 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 02:30:00 | 11 | 2625.0 | 862.5 | 0.0 | -862.5 | 32.86 | 337.50 | 3.326 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 02:45:00 | 12 | 2625.0 | 857.5 | 0.0 | -857.5 | 32.67 | 332.50 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sawargaon Gorhe 33kV | 10/01/2020 03:00:00 | 13 | 2625.0 | 915.0 | 0.0 | -915.0 | 34.86 | 390.00 | 2.658 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 03:15:00 | 14 | 2625.0 | 835.0 | 0.0 | -835.0 | 31.81 | 310.00 | 2.127 | 132.399916 |
| Sawargaon Gorhe 33kV | 10/01/2020 03:30:00 | 15 | 2625.0 | 830.0 | 0.0 | -830.0 | 31.62 | 305.00 | 2.127 | 156.032280 |
| Sawargaon Gorhe 33kV | 10/01/2020 03:45:00 | 16 | 2625.0 | 825.0 | 0.0 | -825.0 | 31.43 | 300.00 | -1.063 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 04:00:00 | 17 | 2625.0 | 822.5 | 0.0 | -822.5 | 31.33 | 297.50 | 1.595 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 04:15:00 | 18 | 2625.0 | 817.5 | 0.0 | -817.5 | 31.14 | 292.50 | 3.326 | 486.117343 |
| Sawargaon Gorhe 33kV | 10/01/2020 04:30:00 | 19 | 2625.0 | 835.0 | 0.0 | -835.0 | 31.81 | 310.00 | 3.326 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 04:45:00 | 20 | 2625.0 | 852.5 | 0.0 | -852.5 | 32.48 | 327.50 | 2.127 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 05:00:00 | 21 | 2625.0 | 872.5 | 0.0 | -872.5 | 33.24 | 347.50 | 2.992 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 05:15:00 | 22 | 2625.0 | 895.0 | 0.0 | -895.0 | 34.1 | 370.00 | 1.063 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 05:30:00 | 23 | 2625.0 | 892.5 | 0.0 | -892.5 | 34.0 | 367.50 | -2.658 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 05:45:00 | 24 | 2625.0 | 882.5 | 0.0 | -882.5 | 33.62 | 357.50 | 2.127 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 06:00:00 | 25 | 2625.0 | 880.0 | 0.0 | -880.0 | 33.52 | 355.00 | -2.127 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 06:15:00 | 26 | 2625.0 | 875.0 | 0.0 | -875.0 | 33.33 | 350.00 | 2.658 | 221.977822 |
| Sawargaon Gorhe 33kV | 10/01/2020 06:30:00 | 27 | 2625.0 | 872.5 | 0.0 | -872.5 | 33.24 | 347.50 | -2.992 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 06:45:00 | 28 | 2625.0 | 867.5 | 0.0 | -867.5 | 33.05 | 342.50 | -3.077 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 07:00:00 | 29 | 2625.0 | 862.5 | 0.0 | -862.5 | 32.86 | 337.50 | -0.687 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 07:15:00 | 30 | 2625.0 | 857.5 | 0.0 | -857.5 | 32.67 | 332.50 | -2.658 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 07:30:00 | 31 | 2625.0 | 915.0 | 0.0 | -915.0 | 34.86 | 390.00 | -1.063 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 07:45:00 | 32 | 2625.0 | 967.5 | 0.0 | -967.5 | 36.86 | 466.88 | -2.658 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 08:00:00 | 33 | 2625.0 | 1010.0 | 0.0 | -1010.0 | 38.48 | 530.63 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sawargaon Gorhe 33kV | 10/01/2020 08:15:00 | 34 | 2625.0 | 1090.0 | 0.0 | -1090.0 | 41.52 | 650.63 | -4.661 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 08:30:00 | 35 | 2625.0 | 1030.0 | 0.0 | -1030.0 | 39.24 | 560.63 | 5.663 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 08:45:00 | 36 | 2625.0 | 1002.5 | 0.0 | -1002.5 | 38.19 | 519.38 | 4.328 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 09:00:00 | 37 | 2625.0 | 960.0 | 0.0 | -960.0 | 36.57 | 455.63 | -4.995 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 09:15:00 | 38 | 2625.0 | 925.0 | 0.0 | -925.0 | 35.24 | 403.13 | -4.327 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 09:30:00 | 39 | 2625.0 | 852.5 | 0.0 | -852.5 | 32.48 | 327.50 | -2.127 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 09:45:00 | 40 | 2625.0 | 782.5 | 0.0 | -782.5 | 29.81 | 257.50 | -1.152 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 10:00:00 | 41 | 2625.0 | 705.0 | 0.0 | -705.0 | 26.86 | 180.00 | 0.000 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 10:15:00 | 42 | 2625.0 | 650.0 | 0.0 | -650.0 | 24.76 | 128.13 | -0.532 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 10:30:00 | 43 | 2625.0 | 565.0 | 0.0 | -565.0 | 21.52 | 85.63 | -1.063 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 10:45:00 | 44 | 2625.0 | 495.0 | 0.0 | -495.0 | 18.86 | 50.63 | 0.000 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 11:00:00 | 45 | 2625.0 | 427.5 | 0.0 | -427.5 | 16.29 | 16.88 | 2.658 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 11:15:00 | 46 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 0.000 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 11:30:00 | 47 | 2625.0 | 340.0 | 0.0 | -340.0 | 12.95 | 0.00 | -1.595 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 11:45:00 | 48 | 2625.0 | 312.5 | 0.0 | -312.5 | 11.9 | 0.00 | 2.992 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 12:00:00 | 49 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | 0.000 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 12:15:00 | 50 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 2.127 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 12:30:00 | 51 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 1.595 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 12:45:00 | 52 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -1.063 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 13:00:00 | 53 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | 2.658 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 13:15:00 | 54 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sawargaon Gorhe 33kV | 10/01/2020 13:30:00 | 55 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | 2.127 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 13:45:00 | 56 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | -3.326 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 14:00:00 | 57 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -2.992 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 14:15:00 | 58 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 3.660 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 14:30:00 | 59 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -2.127 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 14:45:00 | 60 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | -2.127 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 15:00:00 | 61 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 0.000 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 15:15:00 | 62 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | -2.992 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 15:30:00 | 63 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | -4.995 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 15:45:00 | 64 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | -4.327 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 16:00:00 | 65 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | -4.995 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 16:15:00 | 66 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -8.000 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 16:30:00 | 67 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -8.000 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 16:45:00 | 68 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 4.327 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 17:00:00 | 69 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | 0.532 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 17:15:00 | 70 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | -1.595 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 17:30:00 | 71 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | -2.658 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 17:45:00 | 72 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | -2.127 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 18:00:00 | 73 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -1.461 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 18:15:00 | 74 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 3.326 | 102.789225 |
| Sawargaon Gorhe 33kV | 10/01/2020 18:30:00 | 75 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sawargaon Gorhe 33kV | 10/01/2020 18:45:00 | 76 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | 3.994 | 50.494631 |
| Sawargaon Gorhe 33kV | 10/01/2020 19:00:00 | 77 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -2.127 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 19:15:00 | 78 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | -2.658 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 19:30:00 | 79 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -3.660 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 19:45:00 | 80 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -3.326 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 20:00:00 | 81 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 3.660 | 71.911823 |
| Sawargaon Gorhe 33kV | 10/01/2020 20:15:00 | 82 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | 3.660 | 316.672583 |
| Sawargaon Gorhe 33kV | 10/01/2020 20:30:00 | 83 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | 4.995 | 442.132944 |
| Sawargaon Gorhe 33kV | 10/01/2020 20:45:00 | 84 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | 2.992 | 304.769564 |
| Sawargaon Gorhe 33kV | 10/01/2020 21:00:00 | 85 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | -3.660 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 21:15:00 | 86 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -1.595 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 21:30:00 | 87 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -1.063 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 21:45:00 | 88 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -0.532 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 22:00:00 | 89 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | -1.595 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 22:15:00 | 90 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -2.127 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 22:30:00 | 91 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | 1.063 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 22:45:00 | 92 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | -2.658 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 23:00:00 | 93 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | -2.658 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 23:15:00 | 94 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | 0.000 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 23:30:00 | 95 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 0.000 | 0.000000 |
| Sawargaon Gorhe 33kV | 10/01/2020 23:45:00 | 96 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sawargaon Gorhe 33kV | 11/01/2020 00:00:00 | 1 | 2625.0 | 340.0 | 0.0 | -340.0 | 12.95 | 0.00 | 0.000 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 00:15:00 | 2 | 2625.0 | 312.5 | 0.0 | -312.5 | 11.9 | 0.00 | -2.629 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 00:30:00 | 3 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | -1.577 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 00:45:00 | 4 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 2.103 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 01:00:00 | 5 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 2.964 | 137.420365 |
| Sawargaon Gorhe 33kV | 11/01/2020 01:15:00 | 6 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 1.052 | 19.455789 |
| Sawargaon Gorhe 33kV | 11/01/2020 01:30:00 | 7 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | 1.577 | 35.519492 |
| Sawargaon Gorhe 33kV | 11/01/2020 01:45:00 | 8 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | -0.526 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 02:00:00 | 9 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | -0.403 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 02:15:00 | 10 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | -0.630 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 02:30:00 | 11 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -0.526 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 02:45:00 | 12 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -0.526 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 03:00:00 | 13 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -1.051 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 03:15:00 | 14 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | 0.000 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 03:30:00 | 15 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 0.000 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 03:45:00 | 16 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | 0.000 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 04:00:00 | 17 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | 0.000 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 04:15:00 | 18 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | -1.051 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 04:30:00 | 19 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | -2.964 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 04:45:00 | 20 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -3.300 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 05:00:00 | 21 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sawargaon Gorhe 33kV | 11/01/2020 05:15:00 | 22 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 5.314 | 369.633355 |
| Sawargaon Gorhe 33kV | 11/01/2020 05:30:00 | 23 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | 2.964 | 183.149041 |
| Sawargaon Gorhe 33kV | 11/01/2020 05:45:00 | 24 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | 2.103 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 06:00:00 | 25 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | 3.636 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 06:15:00 | 26 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | 2.964 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 06:30:00 | 27 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 4.105 | 216.715999 |
| Sawargaon Gorhe 33kV | 11/01/2020 06:45:00 | 28 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 5.650 | 45.235798 |
| Sawargaon Gorhe 33kV | 11/01/2020 07:00:00 | 29 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 3.300 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 07:15:00 | 30 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | 5.314 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 07:30:00 | 31 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 2.964 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 07:45:00 | 32 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | 2.103 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 08:00:00 | 33 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -1.577 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 08:15:00 | 34 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 3.300 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 08:30:00 | 35 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 2.116 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 08:45:00 | 36 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | 2.964 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 09:00:00 | 37 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | 6.681 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 09:15:00 | 38 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | 6.657 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 09:30:00 | 39 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | -6.322 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 09:45:00 | 40 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -2.103 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 10:00:00 | 41 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 0.526 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 10:15:00 | 42 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sawargaon Gorhe 33kV | 11/01/2020 10:30:00 | 43 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | 0.000 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 10:45:00 | 44 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 0.000 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 11:00:00 | 45 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | 0.000 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 11:15:00 | 46 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | -2.964 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 11:30:00 | 47 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | -4.307 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 11:45:00 | 48 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | -3.300 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 12:00:00 | 49 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -0.526 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 12:15:00 | 50 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -2.103 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 12:30:00 | 51 | 2625.0 | 340.0 | 0.0 | -340.0 | 12.95 | 0.00 | -2.629 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 12:45:00 | 52 | 2625.0 | 312.5 | 0.0 | -312.5 | 11.9 | 0.00 | -2.629 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 13:00:00 | 53 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | 0.000 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 13:15:00 | 54 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -2.103 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 13:30:00 | 55 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 2.629 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 13:45:00 | 56 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 2.103 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 14:00:00 | 57 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | 1.051 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 14:15:00 | 58 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | 3.300 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 14:30:00 | 59 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | -3.636 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 14:45:00 | 60 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | 4.979 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 15:00:00 | 61 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -2.964 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 15:15:00 | 62 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -5.314 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 15:30:00 | 63 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sawargaon Gorhe 33kV | 11/01/2020 15:45:00 | 64 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | 4.643 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 16:00:00 | 65 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 2.103 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 16:15:00 | 66 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | -2.964 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 16:30:00 | 67 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | -2.103 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 16:45:00 | 68 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | 3.972 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 17:00:00 | 69 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | -1.577 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 17:15:00 | 70 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -1.577 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 17:30:00 | 71 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 1.051 | 3.732108 |
| Sawargaon Gorhe 33kV | 11/01/2020 17:45:00 | 72 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -2.103 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 18:00:00 | 73 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | -2.964 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 18:15:00 | 74 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | -2.629 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 18:30:00 | 75 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | 2.103 | 10.194222 |
| Sawargaon Gorhe 33kV | 11/01/2020 18:45:00 | 76 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | 0.526 | 29.334148 |
| Sawargaon Gorhe 33kV | 11/01/2020 19:00:00 | 77 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 2.103 | 120.594968 |
| Sawargaon Gorhe 33kV | 11/01/2020 19:15:00 | 78 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -1.052 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 19:30:00 | 79 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 2.964 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 19:45:00 | 80 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | 2.629 | 225.010679 |
| Sawargaon Gorhe 33kV | 11/01/2020 20:00:00 | 81 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 2.629 | 47.976066 |
| Sawargaon Gorhe 33kV | 11/01/2020 20:15:00 | 82 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | 4.307 | 152.838443 |
| Sawargaon Gorhe 33kV | 11/01/2020 20:30:00 | 83 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 2.964 | 405.628232 |
| Sawargaon Gorhe 33kV | 11/01/2020 20:45:00 | 84 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 2.629 | 345.238537 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sawargaon Gorhe 33kV | 11/01/2020 21:00:00 | 85 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 3.636 | 63.238575 |
| Sawargaon Gorhe 33kV | 11/01/2020 21:15:00 | 86 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | -1.577 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 21:30:00 | 87 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | -1.577 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 21:45:00 | 88 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | -1.052 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 22:00:00 | 89 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | -5.650 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 22:15:00 | 90 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -5.650 | 0.000000 |
| Sawargaon Gorhe 33kV | 11/01/2020 22:30:00 | 91 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 4.979 | 141.030839 |
| Sawargaon Gorhe 33kV | 11/01/2020 22:45:00 | 92 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 2.964 | 185.254981 |
| Sawargaon Gorhe 33kV | 11/01/2020 23:00:00 | 93 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | 1.577 | 47.301242 |
| Sawargaon Gorhe 33kV | 11/01/2020 23:15:00 | 94 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 1.074 | 37.730409 |
| Sawargaon Gorhe 33kV | 11/01/2020 23:30:00 | 95 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | 2.113 | 174.387783 |
| Sawargaon Gorhe 33kV | 11/01/2020 23:45:00 | 96 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | 2.162 | 221.103247 |
| Sawargaon Gorhe 33kV | 12/01/2020 00:00:00 | 1 | 2625.0 | 340.0 | 0.0 | -340.0 | 12.95 | 0.00 | 3.022 | 209.123093 |
| Sawargaon Gorhe 33kV | 12/01/2020 00:15:00 | 2 | 2625.0 | 312.5 | 0.0 | -312.5 | 11.9 | 0.00 | -2.152 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 00:30:00 | 3 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | -2.152 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 00:45:00 | 4 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -3.022 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 01:00:00 | 5 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -0.629 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 01:15:00 | 6 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -3.317 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 01:30:00 | 7 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | -3.354 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 01:45:00 | 8 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | -3.022 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 02:00:00 | 9 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sawargaon Gorhe 33kV | 12/01/2020 02:15:00 | 10 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | -3.022 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 02:30:00 | 11 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -2.690 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 02:45:00 | 12 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -3.022 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 03:00:00 | 13 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 3.354 | 139.678685 |
| Sawargaon Gorhe 33kV | 12/01/2020 03:15:00 | 14 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | 3.022 | 175.651166 |
| Sawargaon Gorhe 33kV | 12/01/2020 03:30:00 | 15 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 3.354 | 63.534039 |
| Sawargaon Gorhe 33kV | 12/01/2020 03:45:00 | 16 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | 2.152 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 04:00:00 | 17 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | -2.152 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 04:15:00 | 18 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | -3.022 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 04:30:00 | 19 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | 1.076 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 04:45:00 | 20 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -3.022 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 05:00:00 | 21 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 3.686 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 05:15:00 | 22 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 3.686 | 325.464860 |
| Sawargaon Gorhe 33kV | 12/01/2020 05:30:00 | 23 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | -1.614 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 05:45:00 | 24 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | -0.496 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 06:00:00 | 25 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | 0.000 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 06:15:00 | 26 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | -0.430 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 06:30:00 | 27 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -2.152 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 06:45:00 | 28 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 4.681 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 07:00:00 | 29 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 1.614 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 07:15:00 | 30 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | 3.838 | 250.366043 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sawargaon Gorhe 33kV | 12/01/2020 07:30:00 | 31 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 3.022 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 07:45:00 | 32 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | 2.690 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 08:00:00 | 33 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -2.690 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 08:15:00 | 34 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -4.018 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 08:30:00 | 35 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -2.690 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 08:45:00 | 36 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | 3.022 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 09:00:00 | 37 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | -3.354 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 09:15:00 | 38 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | -4.350 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 09:30:00 | 39 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | 2.152 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 09:45:00 | 40 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -2.690 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 10:00:00 | 41 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -3.354 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 10:15:00 | 42 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -3.686 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 10:30:00 | 43 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | -1.614 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 10:45:00 | 44 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 3.686 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 11:00:00 | 45 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | -3.354 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 11:15:00 | 46 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | -5.450 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 11:30:00 | 47 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | -6.009 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 11:45:00 | 48 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | 2.690 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 12:00:00 | 49 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 3.686 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 12:15:00 | 50 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -5.345 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 12:30:00 | 51 | 2625.0 | 340.0 | 0.0 | -340.0 | 12.95 | 0.00 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sawargaon Gorhe 33kV | 12/01/2020 12:45:00 | 52 | 2625.0 | 312.5 | 0.0 | -312.5 | 11.9 | 0.00 | -5.345 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 13:00:00 | 53 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | -3.999 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 13:15:00 | 54 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -4.350 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 13:30:00 | 55 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -1.076 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 13:45:00 | 56 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -2.690 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 14:00:00 | 57 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | -0.538 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 14:15:00 | 58 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | -2.152 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 14:30:00 | 59 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | -2.690 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 14:45:00 | 60 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | -1.076 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 15:00:00 | 61 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 0.000 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 15:15:00 | 62 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -2.690 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 15:30:00 | 63 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -3.022 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 15:45:00 | 64 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | -3.686 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 16:00:00 | 65 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -3.737 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 16:15:00 | 66 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | -5.786 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 16:30:00 | 67 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | -4.350 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 16:45:00 | 68 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | -1.614 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 17:00:00 | 69 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | 0.000 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 17:15:00 | 70 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 2.690 | 76.479863 |
| Sawargaon Gorhe 33kV | 12/01/2020 17:30:00 | 71 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -3.022 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 17:45:00 | 72 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sawargaon Gorhe 33kV | 12/01/2020 18:00:00 | 73 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | -0.538 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 18:15:00 | 74 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | -4.350 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 18:30:00 | 75 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | 2.690 | 49.869896 |
| Sawargaon Gorhe 33kV | 12/01/2020 18:45:00 | 76 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | 3.022 | 315.741818 |
| Sawargaon Gorhe 33kV | 12/01/2020 19:00:00 | 77 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 3.686 | 104.977797 |
| Sawargaon Gorhe 33kV | 12/01/2020 19:15:00 | 78 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 2.690 | 6.178494 |
| Sawargaon Gorhe 33kV | 12/01/2020 19:30:00 | 79 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -3.022 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 19:45:00 | 80 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | -1.781 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 20:00:00 | 81 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -3.021 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 20:15:00 | 82 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | -4.018 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 20:30:00 | 83 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -3.354 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 20:45:00 | 84 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -1.614 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 21:00:00 | 85 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | -4.350 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 21:15:00 | 86 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | -3.686 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 21:30:00 | 87 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | -1.614 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 21:45:00 | 88 | 2625.0 | 290.0 | 0.0 | -290.0 | 11.05 | 0.00 | 0.000 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 22:00:00 | 89 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | -3.354 | 0.000000 |
| Sawargaon Gorhe 33kV | 12/01/2020 22:15:00 | 90 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 4.350 | 360.180517 |
| Sawargaon Gorhe 33kV | 12/01/2020 22:30:00 | 91 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 5.215 | 673.521295 |
| Sawargaon Gorhe 33kV | 12/01/2020 22:45:00 | 92 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 3.022 | 66.495870 |
| Sawargaon Gorhe 33kV | 12/01/2020 23:00:00 | 93 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | 3.022 | 149.351051 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Sawargaon Gorhe 33kV | 12/01/2020 23:15:00 | 94 | 2625.0 | 295.0 | 0.0 | -295.0 | 11.24 | 0.00 | 2.152 | 145.024235 |
| Sawargaon Gorhe 33kV | 12/01/2020 23:30:00 | 95 | 2625.0 | 302.5 | 0.0 | -302.5 | 11.52 | 0.00 | 2.152 | 85.576975 |
| Sawargaon Gorhe 33kV | 12/01/2020 23:45:00 | 96 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | 2.152 | 96.701966 |
| Shedyal 220kV | 06/01/2020 00:00:00 | 1 | 54425.0 | 24175.0 | 21150.0 | -3025.0 | 5.56 | 0.00 | 2.903 | 0.000000 |
| Shedyal 220kV | 06/01/2020 00:15:00 | 2 | 54425.0 | 24060.0 | 19860.0 | -4200.0 | 7.72 | 0.00 | 0.000 | 0.000000 |
| Shedyal 220kV | 06/01/2020 00:30:00 | 3 | 54425.0 | 23890.0 | 18650.0 | -5240.0 | 9.63 | 0.00 | 0.000 | 0.000000 |
| Shedyal 220kV | 06/01/2020 00:45:00 | 4 | 54425.0 | 23725.0 | 18030.0 | -5695.0 | 10.46 | 0.00 | -0.984 | 0.000000 |
| Shedyal 220kV | 06/01/2020 01:00:00 | 5 | 54425.0 | 23560.0 | 16290.0 | -7270.0 | 13.36 | 0.00 | -3.541 | 0.000000 |
| Shedyal 220kV | 06/01/2020 01:15:00 | 6 | 54425.0 | 23417.5 | 16540.0 | -6877.5 | 12.64 | 0.00 | 3.222 | 165.113410 |
| Shedyal 220kV | 06/01/2020 01:30:00 | 7 | 54425.0 | 23225.0 | 16430.0 | -6795.0 | 12.49 | 0.00 | 3.541 | 1833.850565 |
| Shedyal 220kV | 06/01/2020 01:45:00 | 8 | 54425.0 | 22560.0 | 16880.0 | -5680.0 | 10.44 | 0.00 | 2.352 | 0.000000 |
| Shedyal 220kV | 06/01/2020 02:00:00 | 9 | 54425.0 | 22390.0 | 18920.0 | -3470.0 | 6.38 | 0.00 | 1.747 | 0.000000 |
| Shedyal 220kV | 06/01/2020 02:15:00 | 10 | 54425.0 | 22225.0 | 19360.0 | -2865.0 | 5.26 | 0.00 | 0.581 | 0.000000 |
| Shedyal 220kV | 06/01/2020 02:30:00 | 11 | 54425.0 | 22060.0 | 18960.0 | -3100.0 | 5.7 | 0.00 | -2.323 | 0.000000 |
| Shedyal 220kV | 06/01/2020 02:45:00 | 12 | 54425.0 | 21917.5 | 17570.0 | -4347.5 | 7.99 | 0.00 | 2.323 | 0.000000 |
| Shedyal 220kV | 06/01/2020 03:00:00 | 13 | 54425.0 | 17175.0 | 16970.0 | -205.0 | 0.38 | 0.00 | 2.323 | 0.000000 |
| Shedyal 220kV | 06/01/2020 03:15:00 | 14 | 54425.0 | 17060.0 | 16750.0 | -310.0 | 0.57 | 0.00 | -1.742 | 0.000000 |
| Shedyal 220kV | 06/01/2020 03:30:00 | 15 | 54425.0 | 16890.0 | 15110.0 | -1780.0 | 3.27 | 0.00 | 3.222 | 0.000000 |
| Shedyal 220kV | 06/01/2020 03:45:00 | 16 | 54425.0 | 16725.0 | 12850.0 | -3875.0 | 7.12 | 0.00 | 3.541 | 0.000000 |
| Shedyal 220kV | 06/01/2020 04:00:00 | 17 | 54425.0 | 16560.0 | 11210.0 | -5350.0 | 9.83 | 0.00 | 4.496 | 0.000000 |
| Shedyal 220kV | 06/01/2020 04:15:00 | 18 | 54425.0 | 16417.5 | 10540.0 | -5877.5 | 10.8 | 0.00 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shedyal 220kV | 06/01/2020 04:30:00 | 19 | 54425.0 | 16642.5 | 10540.0 | -6102.5 | 11.21 | 0.00 | 3.859 | 0.000000 |
| Shedyal 220kV | 06/01/2020 04:45:00 | 20 | 54425.0 | 16625.0 | 9960.0 | -6665.0 | 12.25 | 0.00 | 4.815 | 0.000000 |
| Shedyal 220kV | 06/01/2020 05:00:00 | 21 | 54425.0 | 16802.5 | 9590.0 | -7212.5 | 13.25 | 0.00 | 3.859 | 3163.264819 |
| Shedyal 220kV | 06/01/2020 05:15:00 | 22 | 54425.0 | 16650.0 | 8600.0 | -8050.0 | 14.79 | 0.00 | 6.407 | 6373.862348 |
| Shedyal 220kV | 06/01/2020 05:30:00 | 23 | 54425.0 | 16720.0 | 7890.0 | -8830.0 | 16.22 | 333.13 | 6.496 | 10350.251000 |
| Shedyal 220kV | 06/01/2020 05:45:00 | 24 | 54425.0 | 16722.5 | 7670.0 | -9052.5 | 16.63 | 444.38 | 7.492 | 5734.315395 |
| Shedyal 220kV | 06/01/2020 06:00:00 | 25 | 54425.0 | 18500.0 | 7260.0 | -11240.0 | 20.65 | 1538.13 | -5.452 | 0.000000 |
| Shedyal 220kV | 06/01/2020 06:15:00 | 26 | 54425.0 | 18475.0 | 6460.0 | -12015.0 | 22.08 | 1925.63 | -6.089 | 0.000000 |
| Shedyal 220kV | 06/01/2020 06:30:00 | 27 | 54425.0 | 18252.5 | 5580.0 | -12672.5 | 23.28 | 2254.38 | -7.044 | 0.000000 |
| Shedyal 220kV | 06/01/2020 06:45:00 | 28 | 54425.0 | 18225.0 | 5120.0 | -13105.0 | 24.08 | 2470.63 | 7.682 | 0.000000 |
| Shedyal 220kV | 06/01/2020 07:00:00 | 29 | 54425.0 | 18277.5 | 4640.0 | -13637.5 | 25.06 | 2752.50 | -3.859 | 0.000000 |
| Shedyal 220kV | 06/01/2020 07:15:00 | 30 | 54425.0 | 18342.5 | 3120.0 | -15222.5 | 27.97 | 4337.50 | 4.815 | 7558.246813 |
| Shedyal 220kV | 06/01/2020 07:30:00 | 31 | 54425.0 | 18362.5 | 2020.0 | -16342.5 | 30.03 | 5457.50 | 4.178 | 0.000000 |
| Shedyal 220kV | 06/01/2020 07:45:00 | 32 | 54425.0 | 14560.0 | 1970.0 | -12590.0 | 23.13 | 2213.13 | -3.540 | 0.000000 |
| Shedyal 220kV | 06/01/2020 08:00:00 | 33 | 54425.0 | 14390.0 | 2010.0 | -12380.0 | 22.75 | 2108.13 | -3.859 | 0.000000 |
| Shedyal 220kV | 06/01/2020 08:15:00 | 34 | 54425.0 | 14225.0 | 2500.0 | -11725.0 | 21.54 | 1780.63 | -5.452 | 0.000000 |
| Shedyal 220kV | 06/01/2020 08:30:00 | 35 | 54425.0 | 7975.0 | 3140.0 | -4835.0 | 8.88 | 0.00 | 4.178 | 0.000000 |
| Shedyal 220kV | 06/01/2020 08:45:00 | 36 | 54425.0 | 7617.5 | 2740.0 | -4877.5 | 8.96 | 0.00 | -3.859 | 0.000000 |
| Shedyal 220kV | 06/01/2020 09:00:00 | 37 | 54425.0 | 7532.5 | 2140.0 | -5392.5 | 9.91 | 0.00 | -6.407 | 0.000000 |
| Shedyal 220kV | 06/01/2020 09:15:00 | 38 | 54425.0 | 7600.0 | 1860.0 | -5740.0 | 10.55 | 0.00 | -8.000 | 0.000000 |
| Shedyal 220kV | 06/01/2020 09:30:00 | 39 | 54425.0 | 7637.5 | 1300.0 | -6337.5 | 11.64 | 0.00 | -5.770 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shedyal 220kV | 06/01/2020 09:45:00 | 40 | 54425.0 | 7830.0 | 1000.0 | -6830.0 | 12.55 | 0.00 | 3.222 | 0.000000 |
| Shedyal 220kV | 06/01/2020 10:00:00 | 41 | 54425.0 | 7682.5 | 970.0 | -6712.5 | 12.33 | 0.00 | -2.903 | 0.000000 |
| Shedyal 220kV | 06/01/2020 10:15:00 | 42 | 54425.0 | 7670.0 | 900.0 | -6770.0 | 12.44 | 0.00 | -3.222 | 0.000000 |
| Shedyal 220kV | 06/01/2020 10:30:00 | 43 | 54425.0 | 7625.0 | 1570.0 | -6055.0 | 11.13 | 0.00 | 4.815 | 0.000000 |
| Shedyal 220kV | 06/01/2020 10:45:00 | 44 | 54425.0 | 7602.5 | 2040.0 | -5562.5 | 10.22 | 0.00 | 4.496 | 0.000000 |
| Shedyal 220kV | 06/01/2020 11:00:00 | 45 | 54425.0 | 7612.5 | 2280.0 | -5332.5 | 9.8 | 0.00 | 16.000 | 0.000000 |
| Shedyal 220kV | 06/01/2020 11:15:00 | 46 | 54425.0 | 7537.5 | 2550.0 | -4987.5 | 9.16 | 0.00 | 5.133 | 0.000000 |
| Shedyal 220kV | 06/01/2020 11:30:00 | 47 | 54425.0 | 7537.5 | 2690.0 | -4847.5 | 8.91 | 0.00 | 1.182 | 0.000000 |
| Shedyal 220kV | 06/01/2020 11:45:00 | 48 | 54425.0 | 7505.0 | 3170.0 | -4335.0 | 7.97 | 0.00 | 6.308 | 0.000000 |
| Shedyal 220kV | 06/01/2020 12:00:00 | 49 | 54425.0 | 7542.5 | 3350.0 | -4192.5 | 7.7 | 0.00 | 6.598 | 0.000000 |
| Shedyal 220kV | 06/01/2020 12:15:00 | 50 | 54425.0 | 7530.0 | 3150.0 | -4380.0 | 8.05 | 0.00 | 5.431 | 0.000000 |
| Shedyal 220kV | 06/01/2020 12:30:00 | 51 | 54425.0 | 7662.5 | 3050.0 | -4612.5 | 8.47 | 0.00 | 3.540 | 0.000000 |
| Shedyal 220kV | 06/01/2020 12:45:00 | 52 | 54425.0 | 7600.0 | 2460.0 | -5140.0 | 9.44 | 0.00 | -2.903 | 0.000000 |
| Shedyal 220kV | 06/01/2020 13:00:00 | 53 | 54425.0 | 7575.0 | 2490.0 | -5085.0 | 9.34 | 0.00 | -1.161 | 0.000000 |
| Shedyal 220kV | 06/01/2020 13:15:00 | 54 | 54425.0 | 7652.5 | 2110.0 | -5542.5 | 10.18 | 0.00 | 3.859 | 0.000000 |
| Shedyal 220kV | 06/01/2020 13:30:00 | 55 | 54425.0 | 7847.5 | 1860.0 | -5987.5 | 11.0 | 0.00 | -6.407 | 0.000000 |
| Shedyal 220kV | 06/01/2020 13:45:00 | 56 | 54425.0 | 7602.5 | 2870.0 | -4732.5 | 8.7 | 0.00 | 5.452 | 0.000000 |
| Shedyal 220kV | 06/01/2020 14:00:00 | 57 | 54425.0 | 7677.5 | 3380.0 | -4297.5 | 7.9 | 0.00 | 5.452 | 0.000000 |
| Shedyal 220kV | 06/01/2020 14:15:00 | 58 | 54425.0 | 7702.5 | 3220.0 | -4482.5 | 8.24 | 0.00 | 16.000 | 0.000000 |
| Shedyal 220kV | 06/01/2020 14:30:00 | 59 | 54425.0 | 7707.5 | 3210.0 | -4497.5 | 8.26 | 0.00 | 6.035 | 0.000000 |
| Shedyal 220kV | 06/01/2020 14:45:00 | 60 | 54425.0 | 7767.5 | 4290.0 | -3477.5 | 6.39 | 0.00 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shedyal 220kV | 06/01/2020 15:00:00 | 61 | 54425.0 | 7850.0 | 4020.0 | -3830.0 | 7.04 | 0.00 | 3.367 | 0.000000 |
| Shedyal 220kV | 06/01/2020 15:15:00 | 62 | 54425.0 | 7700.0 | 3920.0 | -3780.0 | 6.95 | 0.00 | 3.904 | 0.000000 |
| Shedyal 220kV | 06/01/2020 15:30:00 | 63 | 54425.0 | 7700.0 | 3850.0 | -3850.0 | 7.07 | 0.00 | 4.482 | 0.000000 |
| Shedyal 220kV | 06/01/2020 15:45:00 | 64 | 54425.0 | 7642.5 | 4420.0 | -3222.5 | 5.92 | 0.00 | 4.225 | 0.000000 |
| Shedyal 220kV | 06/01/2020 16:00:00 | 65 | 54425.0 | 7552.5 | 4380.0 | -3172.5 | 5.83 | 0.00 | 2.895 | 0.000000 |
| Shedyal 220kV | 06/01/2020 16:15:00 | 66 | 54425.0 | 7510.0 | 4840.0 | -2670.0 | 4.91 | 0.00 | 6.089 | 0.000000 |
| Shedyal 220kV | 06/01/2020 16:30:00 | 67 | 54425.0 | 7560.0 | 4620.0 | -2940.0 | 5.4 | 0.00 | -8.000 | 0.000000 |
| Shedyal 220kV | 06/01/2020 16:45:00 | 68 | 54425.0 | 7522.5 | 3780.0 | -3742.5 | 6.88 | 0.00 | -4.178 | 0.000000 |
| Shedyal 220kV | 06/01/2020 17:00:00 | 69 | 54425.0 | 7532.5 | 3680.0 | -3852.5 | 7.08 | 0.00 | 1.742 | 0.000000 |
| Shedyal 220kV | 06/01/2020 17:15:00 | 70 | 54425.0 | 7530.0 | 3460.0 | -4070.0 | 7.48 | 0.00 | 2.903 | 0.000000 |
| Shedyal 220kV | 06/01/2020 17:30:00 | 71 | 54425.0 | 7517.5 | 2320.0 | -5197.5 | 9.55 | 0.00 | -4.178 | 0.000000 |
| Shedyal 220kV | 06/01/2020 17:45:00 | 72 | 54425.0 | 7542.5 | 2440.0 | -5102.5 | 9.38 | 0.00 | -2.323 | 0.000000 |
| Shedyal 220kV | 06/01/2020 18:00:00 | 73 | 54425.0 | 7567.5 | 2660.0 | -4907.5 | 9.02 | 0.00 | -2.903 | 0.000000 |
| Shedyal 220kV | 06/01/2020 18:15:00 | 74 | 54425.0 | 7597.5 | 3170.0 | -4427.5 | 8.14 | 0.00 | 1.161 | 1151.413399 |
| Shedyal 220kV | 06/01/2020 18:30:00 | 75 | 54425.0 | 7685.0 | 3590.0 | -4095.0 | 7.52 | 0.00 | 2.903 | 3487.849230 |
| Shedyal 220kV | 06/01/2020 18:45:00 | 76 | 54425.0 | 7847.5 | 4130.0 | -3717.5 | 6.83 | 0.00 | 2.903 | 74.956771 |
| Shedyal 220kV | 06/01/2020 19:00:00 | 77 | 54425.0 | 7627.5 | 4620.0 | -3007.5 | 5.53 | 0.00 | -1.161 | 0.000000 |
| Shedyal 220kV | 06/01/2020 19:15:00 | 78 | 54425.0 | 7715.0 | 5470.0 | -2245.0 | 4.12 | 0.00 | -4.178 | 0.000000 |
| Shedyal 220kV | 06/01/2020 19:30:00 | 79 | 54425.0 | 7750.0 | 6900.0 | -850.0 | 1.56 | 0.00 | -2.323 | 0.000000 |
| Shedyal 220kV | 06/01/2020 19:45:00 | 80 | 54425.0 | 7702.5 | 7880.0 | 177.5 | 0.33 | 0.00 | -4.178 | 0.000000 |
| Shedyal 220kV | 06/01/2020 20:00:00 | 81 | 54425.0 | 7807.5 | 7890.0 | 82.5 | 0.15 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shedyal 220kV | 06/01/2020 20:15:00 | 82 | 54425.0 | 7507.5 | 7800.0 | 292.5 | 0.54 | 0.00 | -5.770 | 0.000000 |
| Shedyal 220kV | 06/01/2020 20:30:00 | 83 | 54425.0 | 7552.5 | 8330.0 | 777.5 | 1.43 | 0.00 | 5.770 | 0.000000 |
| Shedyal 220kV | 06/01/2020 20:45:00 | 84 | 54425.0 | 7577.5 | 8400.0 | 822.5 | 1.51 | 0.00 | 4.178 | 0.000000 |
| Shedyal 220kV | 06/01/2020 21:00:00 | 85 | 54425.0 | 7640.0 | 9520.0 | 1880.0 | 3.45 | 0.00 | 3.222 | 0.000000 |
| Shedyal 220kV | 06/01/2020 21:15:00 | 86 | 54425.0 | 7540.0 | 10120.0 | 2580.0 | 4.74 | 0.00 | -1.742 | 0.000000 |
| Shedyal 220kV | 06/01/2020 21:30:00 | 87 | 54425.0 | 7500.0 | 10960.0 | 3460.0 | 6.36 | 0.00 | 0.000 | 0.000000 |
| Shedyal 220kV | 06/01/2020 21:45:00 | 88 | 54425.0 | 7530.0 | 12120.0 | 4590.0 | 8.43 | 0.00 | 1.161 | 0.000000 |
| Shedyal 220kV | 06/01/2020 22:00:00 | 89 | 54425.0 | 7600.0 | 13030.0 | 5430.0 | 9.98 | 0.00 | 4.815 | 0.000000 |
| Shedyal 220kV | 06/01/2020 22:15:00 | 90 | 54425.0 | 7560.0 | 12150.0 | 4590.0 | 8.43 | 0.00 | 3.859 | 0.000000 |
| Shedyal 220kV | 06/01/2020 22:30:00 | 91 | 54425.0 | 11410.0 | 11390.0 | -20.0 | 0.04 | 0.00 | 1.742 | 0.000000 |
| Shedyal 220kV | 06/01/2020 22:45:00 | 92 | 54425.0 | 11582.5 | 12260.0 | 677.5 | 1.24 | 0.00 | -2.323 | 0.000000 |
| Shedyal 220kV | 06/01/2020 23:00:00 | 93 | 54425.0 | 11842.5 | 13640.0 | 1797.5 | 3.3 | 0.00 | -2.903 | 0.000000 |
| Shedyal 220kV | 06/01/2020 23:15:00 | 94 | 54425.0 | 12132.5 | 15050.0 | 2917.5 | 5.36 | 0.00 | 2.323 | 0.000000 |
| Shedyal 220kV | 06/01/2020 23:30:00 | 95 | 54425.0 | 12667.5 | 15730.0 | 3062.5 | 5.63 | 0.00 | -3.222 | 0.000000 |
| Shedyal 220kV | 06/01/2020 23:45:00 | 96 | 54425.0 | 12797.5 | 14020.0 | 1222.5 | 2.25 | 0.00 | 2.323 | 0.000000 |
| Shedyal 220kV | 07/01/2020 00:00:00 | 1 | 54425.0 | 15142.5 | 12130.0 | -3012.5 | 5.54 | 0.00 | -0.549 | 0.000000 |
| Shedyal 220kV | 07/01/2020 00:15:00 | 2 | 54425.0 | 15125.0 | 11620.0 | -3505.0 | 6.44 | 0.00 | -1.647 | 0.000000 |
| Shedyal 220kV | 07/01/2020 00:30:00 | 3 | 54425.0 | 15302.5 | 11650.0 | -3652.5 | 6.71 | 0.00 | -3.073 | 0.000000 |
| Shedyal 220kV | 07/01/2020 00:45:00 | 4 | 54425.0 | 15150.0 | 12050.0 | -3100.0 | 5.7 | 0.00 | -2.744 | 0.000000 |
| Shedyal 220kV | 07/01/2020 01:00:00 | 5 | 54425.0 | 15220.0 | 12810.0 | -2410.0 | 4.43 | 0.00 | -4.058 | 0.000000 |
| Shedyal 220kV | 07/01/2020 01:15:00 | 6 | 54425.0 | 19500.0 | 12230.0 | -7270.0 | 13.36 | 0.00 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shedyal 220kV | 07/01/2020 01:30:00 | 7 | 54425.0 | 19500.0 | 11710.0 | -7790.0 | 14.31 | 0.00 | -3.401 | 0.000000 |
| Shedyal 220kV | 07/01/2020 01:45:00 | 8 | 54425.0 | 19507.5 | 12620.0 | -6887.5 | 12.66 | 0.00 | 3.730 | 0.000000 |
| Shedyal 220kV | 07/01/2020 02:00:00 | 9 | 54425.0 | 19417.5 | 12430.0 | -6987.5 | 12.84 | 0.00 | 3.073 | 1521.230830 |
| Shedyal 220kV | 07/01/2020 02:15:00 | 10 | 54425.0 | 19400.0 | 12650.0 | -6750.0 | 12.4 | 0.00 | 3.073 | 657.110324 |
| Shedyal 220kV | 07/01/2020 02:30:00 | 11 | 54425.0 | 19527.5 | 12900.0 | -6627.5 | 12.18 | 0.00 | 3.401 | 902.414097 |
| Shedyal 220kV | 07/01/2020 02:45:00 | 12 | 54425.0 | 19447.5 | 13480.0 | -5967.5 | 10.96 | 0.00 | 2.745 | 810.424322 |
| Shedyal 220kV | 07/01/2020 03:00:00 | 13 | 54425.0 | 13170.0 | 14070.0 | 900.0 | 1.65 | 0.00 | 1.647 | 0.000000 |
| Shedyal 220kV | 07/01/2020 03:15:00 | 14 | 54425.0 | 13225.0 | 14190.0 | 965.0 | 1.77 | 0.00 | 2.196 | 0.000000 |
| Shedyal 220kV | 07/01/2020 03:30:00 | 15 | 54425.0 | 13225.0 | 13860.0 | 635.0 | 1.17 | 0.00 | 1.647 | 0.000000 |
| Shedyal 220kV | 07/01/2020 03:45:00 | 16 | 54425.0 | 13307.5 | 12420.0 | -887.5 | 1.63 | 0.00 | 1.098 | 0.000000 |
| Shedyal 220kV | 07/01/2020 04:00:00 | 17 | 54425.0 | 13165.0 | 11690.0 | -1475.0 | 2.71 | 0.00 | 1.647 | 540.144860 |
| Shedyal 220kV | 07/01/2020 04:15:00 | 18 | 54425.0 | 13175.0 | 10970.0 | -2205.0 | 4.05 | 0.00 | 2.210 | 1578.687609 |
| Shedyal 220kV | 07/01/2020 04:30:00 | 19 | 54425.0 | 13227.5 | 8940.0 | -4287.5 | 7.88 | 0.00 | 3.730 | 4334.627304 |
| Shedyal 220kV | 07/01/2020 04:45:00 | 20 | 54425.0 | 13200.0 | 6960.0 | -6240.0 | 11.47 | 0.00 | -1.098 | 0.000000 |
| Shedyal 220kV | 07/01/2020 05:00:00 | 21 | 54425.0 | 13195.0 | 6440.0 | -6755.0 | 12.41 | 0.00 | -2.744 | 0.000000 |
| Shedyal 220kV | 07/01/2020 05:15:00 | 22 | 54425.0 | 13175.0 | 5850.0 | -7325.0 | 13.46 | 0.00 | 3.730 | 3762.987658 |
| Shedyal 220kV | 07/01/2020 05:30:00 | 23 | 54425.0 | 13242.5 | 5640.0 | -7602.5 | 13.97 | 0.00 | 3.073 | 8774.047047 |
| Shedyal 220kV | 07/01/2020 05:45:00 | 24 | 54425.0 | 13200.0 | 7000.0 | -6200.0 | 11.39 | 0.00 | 3.730 | 5558.672198 |
| Shedyal 220kV | 07/01/2020 06:00:00 | 25 | 54425.0 | 13200.0 | 8520.0 | -4680.0 | 8.6 | 0.00 | -5.372 | 0.000000 |
| Shedyal 220kV | 07/01/2020 06:15:00 | 26 | 54425.0 | 9332.5 | 9230.0 | -102.5 | 0.19 | 0.00 | 4.556 | 341.539892 |
| Shedyal 220kV | 07/01/2020 06:30:00 | 27 | 54425.0 | 9117.5 | 9760.0 | 642.5 | 1.18 | 0.00 | 7.148 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shedyal 220kV | 07/01/2020 06:45:00 | 28 | 54425.0 | 9175.0 | 10040.0 | 865.0 | 1.59 | 0.00 | 7.821 | 0.000000 |
| Shedyal 220kV | 07/01/2020 07:00:00 | 29 | 54425.0 | 9300.0 | 9790.0 | 490.0 | 0.9 | 0.00 | 5.372 | 0.000000 |
| Shedyal 220kV | 07/01/2020 07:15:00 | 30 | 54425.0 | 9175.0 | 9370.0 | 195.0 | 0.36 | 0.00 | 16.000 | 0.000000 |
| Shedyal 220kV | 07/01/2020 07:30:00 | 31 | 54425.0 | 9125.0 | 8400.0 | -725.0 | 1.33 | 0.00 | 9.296 | 0.000000 |
| Shedyal 220kV | 07/01/2020 07:45:00 | 32 | 54425.0 | 9200.0 | 8130.0 | -1070.0 | 1.97 | 0.00 | 9.794 | 0.000000 |
| Shedyal 220kV | 07/01/2020 08:00:00 | 33 | 54425.0 | 9252.5 | 7760.0 | -1492.5 | 2.74 | 0.00 | 3.593 | 0.000000 |
| Shedyal 220kV | 07/01/2020 08:15:00 | 34 | 54425.0 | 9175.0 | 9360.0 | 185.0 | 0.34 | 0.00 | 3.401 | 0.000000 |
| Shedyal 220kV | 07/01/2020 08:30:00 | 35 | 54425.0 | 9197.5 | 9490.0 | 292.5 | 0.54 | 0.00 | 3.245 | 0.000000 |
| Shedyal 220kV | 07/01/2020 08:45:00 | 36 | 54425.0 | 9220.0 | 9760.0 | 540.0 | 0.99 | 0.00 | 0.000 | 0.000000 |
| Shedyal 220kV | 07/01/2020 09:00:00 | 37 | 54425.0 | 9150.0 | 10100.0 | 950.0 | 1.75 | 0.00 | 2.745 | 0.000000 |
| Shedyal 220kV | 07/01/2020 09:15:00 | 38 | 54425.0 | 8775.0 | 9550.0 | 775.0 | 1.42 | 0.00 | 4.715 | 0.000000 |
| Shedyal 220kV | 07/01/2020 09:30:00 | 39 | 54425.0 | 8675.0 | 9700.0 | 1025.0 | 1.88 | 0.00 | 3.981 | 0.000000 |
| Shedyal 220kV | 07/01/2020 09:45:00 | 40 | 54425.0 | 8642.5 | 9570.0 | 927.5 | 1.7 | 0.00 | 3.730 | 0.000000 |
| Shedyal 220kV | 07/01/2020 10:00:00 | 41 | 54425.0 | 8697.5 | 9040.0 | 342.5 | 0.63 | 0.00 | 1.780 | 0.000000 |
| Shedyal 220kV | 07/01/2020 10:15:00 | 42 | 54425.0 | 8700.0 | 8470.0 | -230.0 | 0.42 | 0.00 | 5.643 | 0.000000 |
| Shedyal 220kV | 07/01/2020 10:30:00 | 43 | 54425.0 | 12905.0 | 6760.0 | -6145.0 | 11.29 | 0.00 | 4.976 | 0.000000 |
| Shedyal 220kV | 07/01/2020 10:45:00 | 44 | 54425.0 | 12385.0 | 5020.0 | -7365.0 | 13.53 | 0.00 | 4.415 | 0.000000 |
| Shedyal 220kV | 07/01/2020 11:00:00 | 45 | 54425.0 | 11782.5 | 4090.0 | -7692.5 | 14.13 | 0.00 | 4.476 | 0.000000 |
| Shedyal 220kV | 07/01/2020 11:15:00 | 46 | 54425.0 | 11370.0 | 3720.0 | -7650.0 | 14.06 | 0.00 | 4.826 | 0.000000 |
| Shedyal 220kV | 07/01/2020 11:30:00 | 47 | 54425.0 | 10780.0 | 3550.0 | -7230.0 | 13.28 | 0.00 | 2.289 | 0.000000 |
| Shedyal 220kV | 07/01/2020 11:45:00 | 48 | 54425.0 | 10515.0 | 3840.0 | -6675.0 | 12.26 | 0.00 | -0.549 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shedyal 220kV | 07/01/2020 12:00:00 | 49 | 54425.0 | 9860.0 | 3520.0 | -6340.0 | 11.65 | 0.00 | 4.727 | 0.000000 |
| Shedyal 220kV | 07/01/2020 12:15:00 | 50 | 54425.0 | 9440.0 | 3130.0 | -6310.0 | 11.59 | 0.00 | 4.777 | 0.000000 |
| Shedyal 220kV | 07/01/2020 12:30:00 | 51 | 54425.0 | 9235.0 | 2320.0 | -6915.0 | 12.71 | 0.00 | 4.798 | 0.000000 |
| Shedyal 220kV | 07/01/2020 12:45:00 | 52 | 54425.0 | 7925.0 | 1780.0 | -6145.0 | 11.29 | 0.00 | -3.401 | 0.000000 |
| Shedyal 220kV | 07/01/2020 13:00:00 | 53 | 54425.0 | 7992.5 | 2040.0 | -5952.5 | 10.94 | 0.00 | -2.431 | 0.000000 |
| Shedyal 220kV | 07/01/2020 13:15:00 | 54 | 54425.0 | 7925.0 | 2000.0 | -5925.0 | 10.89 | 0.00 | -4.387 | 0.000000 |
| Shedyal 220kV | 07/01/2020 13:30:00 | 55 | 54425.0 | 7970.0 | 2080.0 | -5890.0 | 10.82 | 0.00 | -3.401 | 0.000000 |
| Shedyal 220kV | 07/01/2020 13:45:00 | 56 | 54425.0 | 7900.0 | 2210.0 | -5690.0 | 10.45 | 0.00 | -5.044 | 0.000000 |
| Shedyal 220kV | 07/01/2020 14:00:00 | 57 | 54425.0 | 8025.0 | 2600.0 | -5425.0 | 9.97 | 0.00 | 4.215 | 0.000000 |
| Shedyal 220kV | 07/01/2020 14:15:00 | 58 | 54425.0 | 7925.0 | 2920.0 | -5005.0 | 9.2 | 0.00 | 9.552 | 0.000000 |
| Shedyal 220kV | 07/01/2020 14:30:00 | 59 | 54425.0 | 7892.5 | 3140.0 | -4752.5 | 8.73 | 0.00 | 6.358 | 0.000000 |
| Shedyal 220kV | 07/01/2020 14:45:00 | 60 | 54425.0 | 7947.5 | 3170.0 | -4777.5 | 8.78 | 0.00 | 2.744 | 0.000000 |
| Shedyal 220kV | 07/01/2020 15:00:00 | 61 | 54425.0 | 7950.0 | 2260.0 | -5690.0 | 10.45 | 0.00 | -3.073 | 0.000000 |
| Shedyal 220kV | 07/01/2020 15:15:00 | 62 | 54425.0 | 7875.0 | 1970.0 | -5905.0 | 10.85 | 0.00 | -4.058 | 0.000000 |
| Shedyal 220kV | 07/01/2020 15:30:00 | 63 | 54425.0 | 7950.0 | 2160.0 | -5790.0 | 10.64 | 0.00 | -4.831 | 0.000000 |
| Shedyal 220kV | 07/01/2020 15:45:00 | 64 | 54425.0 | 7900.0 | 2080.0 | -5820.0 | 10.69 | 0.00 | -5.372 | 0.000000 |
| Shedyal 220kV | 07/01/2020 16:00:00 | 65 | 54425.0 | 7950.0 | 2250.0 | -5700.0 | 10.47 | 0.00 | 2.196 | 0.000000 |
| Shedyal 220kV | 07/01/2020 16:15:00 | 66 | 54425.0 | 7947.5 | 2170.0 | -5777.5 | 10.62 | 0.00 | -3.401 | 0.000000 |
| Shedyal 220kV | 07/01/2020 16:30:00 | 67 | 54425.0 | 7807.5 | 1920.0 | -5887.5 | 10.82 | 0.00 | 4.738 | 0.000000 |
| Shedyal 220kV | 07/01/2020 16:45:00 | 68 | 54425.0 | 7785.0 | 1760.0 | -6025.0 | 11.07 | 0.00 | 7.343 | 0.000000 |
| Shedyal 220kV | 07/01/2020 17:00:00 | 69 | 54425.0 | 7890.0 | 1200.0 | -6690.0 | 12.29 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shedyal 220kV | 07/01/2020 17:15:00 | 70 | 54425.0 | 7932.5 | 1080.0 | -6852.5 | 12.59 | 0.00 | 2.744 | 1139.886837 |
| Shedyal 220kV | 07/01/2020 17:30:00 | 71 | 54425.0 | 7810.0 | 1500.0 | -6310.0 | 11.59 | 0.00 | 3.401 | 416.645744 |
| Shedyal 220kV | 07/01/2020 17:45:00 | 72 | 54425.0 | 7790.0 | 1270.0 | -6520.0 | 11.98 | 0.00 | -2.745 | 0.000000 |
| Shedyal 220kV | 07/01/2020 18:00:00 | 73 | 54425.0 | 7925.0 | 1570.0 | -6355.0 | 11.68 | 0.00 | -3.073 | 0.000000 |
| Shedyal 220kV | 07/01/2020 18:15:00 | 74 | 54425.0 | 7865.0 | 2820.0 | -5045.0 | 9.27 | 0.00 | -5.372 | 0.000000 |
| Shedyal 220kV | 07/01/2020 18:30:00 | 75 | 54425.0 | 7797.5 | 3310.0 | -4487.5 | 8.25 | 0.00 | 3.401 | 0.000000 |
| Shedyal 220kV | 07/01/2020 18:45:00 | 76 | 54425.0 | 7872.5 | 3050.0 | -4822.5 | 8.86 | 0.00 | -3.401 | 0.000000 |
| Shedyal 220kV | 07/01/2020 19:00:00 | 77 | 54425.0 | 7832.5 | 2420.0 | -5412.5 | 9.94 | 0.00 | -3.730 | 0.000000 |
| Shedyal 220kV | 07/01/2020 19:15:00 | 78 | 54425.0 | 7912.5 | 1990.0 | -5922.5 | 10.88 | 0.00 | -4.715 | 0.000000 |
| Shedyal 220kV | 07/01/2020 19:30:00 | 79 | 54425.0 | 7892.5 | 2170.0 | -5722.5 | 10.51 | 0.00 | -4.058 | 0.000000 |
| Shedyal 220kV | 07/01/2020 19:45:00 | 80 | 54425.0 | 7782.5 | 2920.0 | -4862.5 | 8.93 | 0.00 | -2.210 | 0.000000 |
| Shedyal 220kV | 07/01/2020 20:00:00 | 81 | 54425.0 | 7787.5 | 3570.0 | -4217.5 | 7.75 | 0.00 | -2.348 | 0.000000 |
| Shedyal 220kV | 07/01/2020 20:15:00 | 82 | 54425.0 | 7787.5 | 4440.0 | -3347.5 | 6.15 | 0.00 | 4.387 | 5224.282586 |
| Shedyal 220kV | 07/01/2020 20:30:00 | 83 | 54425.0 | 7830.0 | 5620.0 | -2210.0 | 4.06 | 0.00 | 3.816 | 4509.922794 |
| Shedyal 220kV | 07/01/2020 20:45:00 | 84 | 54425.0 | 7827.5 | 7430.0 | -397.5 | 0.73 | 0.00 | 3.401 | 195.306055 |
| Shedyal 220kV | 07/01/2020 21:00:00 | 85 | 54425.0 | 7925.0 | 9440.0 | 1515.0 | 2.78 | 0.00 | -4.058 | 0.000000 |
| Shedyal 220kV | 07/01/2020 21:15:00 | 86 | 54425.0 | 7900.0 | 11290.0 | 3390.0 | 6.23 | 0.00 | 1.647 | 0.000000 |
| Shedyal 220kV | 07/01/2020 21:30:00 | 87 | 54425.0 | 7950.0 | 13250.0 | 5300.0 | 9.74 | 0.00 | 2.196 | 0.000000 |
| Shedyal 220kV | 07/01/2020 21:45:00 | 88 | 54425.0 | 7782.5 | 14320.0 | 6537.5 | 12.01 | 0.00 | -2.196 | 0.000000 |
| Shedyal 220kV | 07/01/2020 22:00:00 | 89 | 54425.0 | 7835.0 | 15370.0 | 7535.0 | 13.84 | 0.00 | -3.257 | 0.000000 |
| Shedyal 220kV | 07/01/2020 22:15:00 | 90 | 54425.0 | 7887.5 | 16810.0 | 8922.5 | 16.39 | 379.38 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shedyal 220kV | 07/01/2020 22:30:00 | 91 | 54425.0 | 7957.5 | 17510.0 | 9552.5 | 17.55 | 694.38 | -1.098 | 0.000000 |
| Shedyal 220kV | 07/01/2020 22:45:00 | 92 | 54425.0 | 7705.0 | 16920.0 | 9215.0 | 16.93 | 525.63 | -1.647 | 0.000000 |
| Shedyal 220kV | 07/01/2020 23:00:00 | 93 | 54425.0 | 7640.0 | 14580.0 | 6940.0 | 12.75 | 0.00 | -3.401 | 0.000000 |
| Shedyal 220kV | 07/01/2020 23:15:00 | 94 | 54425.0 | 7677.5 | 12940.0 | 5262.5 | 9.67 | 0.00 | 1.647 | 0.000000 |
| Shedyal 220kV | 07/01/2020 23:30:00 | 95 | 54425.0 | 7630.0 | 11180.0 | 3550.0 | 6.52 | 0.00 | -2.196 | 0.000000 |
| Shedyal 220kV | 07/01/2020 23:45:00 | 96 | 54425.0 | 7685.0 | 8460.0 | 775.0 | 1.42 | 0.00 | -0.549 | 0.000000 |
| Shedyal 220kV | 08/01/2020 00:00:00 | 1 | 54425.0 | 15142.5 | 7370.0 | -7772.5 | 14.28 | 0.00 | -2.220 | 0.000000 |
| Shedyal 220kV | 08/01/2020 00:15:00 | 2 | 54425.0 | 15125.0 | 8120.0 | -7005.0 | 12.87 | 0.00 | -3.101 | 0.000000 |
| Shedyal 220kV | 08/01/2020 00:30:00 | 3 | 54425.0 | 15302.5 | 9520.0 | -5782.5 | 10.62 | 0.00 | -3.101 | 0.000000 |
| Shedyal 220kV | 08/01/2020 00:45:00 | 4 | 54425.0 | 15150.0 | 11710.0 | -3440.0 | 6.32 | 0.00 | -2.424 | 0.000000 |
| Shedyal 220kV | 08/01/2020 01:00:00 | 5 | 54425.0 | 15220.0 | 13700.0 | -1520.0 | 2.79 | 0.00 | -2.170 | 0.000000 |
| Shedyal 220kV | 08/01/2020 01:15:00 | 6 | 54425.0 | 12425.0 | 13460.0 | 1035.0 | 1.9 | 0.00 | -1.761 | 0.000000 |
| Shedyal 220kV | 08/01/2020 01:30:00 | 7 | 54425.0 | 12477.5 | 12880.0 | 402.5 | 0.74 | 0.00 | -1.665 | 0.000000 |
| Shedyal 220kV | 08/01/2020 01:45:00 | 8 | 54425.0 | 12450.0 | 12140.0 | -310.0 | 0.57 | 0.00 | -1.665 | 0.000000 |
| Shedyal 220kV | 08/01/2020 02:00:00 | 9 | 54425.0 | 12445.0 | 11350.0 | -1095.0 | 2.01 | 0.00 | -1.110 | 0.000000 |
| Shedyal 220kV | 08/01/2020 02:15:00 | 10 | 54425.0 | 12425.0 | 12750.0 | 325.0 | 0.6 | 0.00 | -1.347 | 0.000000 |
| Shedyal 220kV | 08/01/2020 02:30:00 | 11 | 54425.0 | 12492.5 | 13690.0 | 1197.5 | 2.2 | 0.00 | -3.101 | 0.000000 |
| Shedyal 220kV | 08/01/2020 02:45:00 | 12 | 54425.0 | 18375.0 | 14570.0 | -3805.0 | 6.99 | 0.00 | -2.220 | 0.000000 |
| Shedyal 220kV | 08/01/2020 03:00:00 | 13 | 54425.0 | 18017.5 | 15270.0 | -2747.5 | 5.05 | 0.00 | -3.428 | 0.000000 |
| Shedyal 220kV | 08/01/2020 03:15:00 | 14 | 54425.0 | 17435.0 | 14580.0 | -2855.0 | 5.25 | 0.00 | -2.220 | 0.000000 |
| Shedyal 220kV | 08/01/2020 03:30:00 | 15 | 54425.0 | 17080.0 | 13200.0 | -3880.0 | 7.13 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shedyal 220kV | 08/01/2020 03:45:00 | 16 | 54425.0 | 16552.5 | 11160.0 | -5392.5 | 9.91 | 0.00 | -2.775 | 0.000000 |
| Shedyal 220kV | 08/01/2020 04:00:00 | 17 | 54425.0 | 16287.5 | 8060.0 | -8227.5 | 15.12 | 31.88 | -3.101 | 0.000000 |
| Shedyal 220kV | 08/01/2020 04:15:00 | 18 | 54425.0 | 15892.5 | 5620.0 | -10272.5 | 18.87 | 1054.38 | -1.665 | 0.000000 |
| Shedyal 220kV | 08/01/2020 04:30:00 | 19 | 54425.0 | 15757.5 | 3200.0 | -12557.5 | 23.07 | 2196.88 | -2.220 | 0.000000 |
| Shedyal 220kV | 08/01/2020 04:45:00 | 20 | 54425.0 | 15677.5 | 1660.0 | -14017.5 | 25.76 | 3132.50 | -2.775 | 0.000000 |
| Shedyal 220kV | 08/01/2020 05:00:00 | 21 | 54425.0 | 14020.0 | 1450.0 | -12570.0 | 23.1 | 2203.13 | -1.110 | 0.000000 |
| Shedyal 220kV | 08/01/2020 05:15:00 | 22 | 54425.0 | 14192.5 | 1680.0 | -12512.5 | 22.99 | 2174.38 | 2.775 | 602.953055 |
| Shedyal 220kV | 08/01/2020 05:30:00 | 23 | 54425.0 | 14212.5 | 1460.0 | -12752.5 | 23.43 | 2294.38 | -3.428 | 0.000000 |
| Shedyal 220kV | 08/01/2020 05:45:00 | 24 | 54425.0 | 14205.0 | 1010.0 | -13195.0 | 24.24 | 2515.63 | -2.775 | 0.000000 |
| Shedyal 220kV | 08/01/2020 06:00:00 | 25 | 54425.0 | 13337.5 | 1240.0 | -12097.5 | 22.23 | 1966.88 | -2.220 | 0.000000 |
| Shedyal 220kV | 08/01/2020 06:15:00 | 26 | 54425.0 | 10575.0 | 2210.0 | -8365.0 | 15.37 | 100.63 | 2.220 | 1712.691327 |
| Shedyal 220kV | 08/01/2020 06:30:00 | 27 | 54425.0 | 10295.0 | 2380.0 | -7915.0 | 14.54 | 0.00 | 5.387 | 14246.701875 |
| Shedyal 220kV | 08/01/2020 06:45:00 | 28 | 54425.0 | 7690.0 | 2510.0 | -5180.0 | 9.52 | 0.00 | -4.734 | 0.000000 |
| Shedyal 220kV | 08/01/2020 07:00:00 | 29 | 54425.0 | 7637.5 | 2140.0 | -5497.5 | 10.1 | 0.00 | -4.407 | 0.000000 |
| Shedyal 220kV | 08/01/2020 07:15:00 | 30 | 54425.0 | 7577.5 | 1890.0 | -5687.5 | 10.45 | 0.00 | 5.061 | 10024.694141 |
| Shedyal 220kV | 08/01/2020 07:30:00 | 31 | 54425.0 | 7715.0 | 1830.0 | -5885.0 | 10.81 | 0.00 | 5.714 | 9925.053812 |
| Shedyal 220kV | 08/01/2020 07:45:00 | 32 | 54425.0 | 7672.5 | 1110.0 | -6562.5 | 12.06 | 0.00 | 5.061 | 4351.163184 |
| Shedyal 220kV | 08/01/2020 08:00:00 | 33 | 54425.0 | 7702.5 | 380.0 | -7322.5 | 13.45 | 0.00 | 2.775 | 0.000000 |
| Shedyal 220kV | 08/01/2020 08:15:00 | 34 | 54425.0 | 7835.0 | 30.0 | -7805.0 | 14.34 | 0.00 | 2.775 | 0.000000 |
| Shedyal 220kV | 08/01/2020 08:30:00 | 35 | 54425.0 | 7945.0 | 0.0 | -7945.0 | 14.6 | 0.00 | 5.387 | 0.000000 |
| Shedyal 220kV | 08/01/2020 08:45:00 | 36 | 54425.0 | 7695.0 | 0.0 | -7695.0 | 14.14 | 0.00 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shedyal 220kV | 08/01/2020 09:00:00 | 37 | 54425.0 | 7827.5 | 0.0 | -7827.5 | 14.38 | 0.00 | 7.673 | 0.000000 |
| Shedyal 220kV | 08/01/2020 09:15:00 | 38 | 54425.0 | 7782.5 | 0.0 | -7782.5 | 14.3 | 0.00 | 7.673 | 0.000000 |
| Shedyal 220kV | 08/01/2020 09:30:00 | 39 | 54425.0 | 7812.5 | 0.0 | -7812.5 | 14.35 | 0.00 | 3.101 | 0.000000 |
| Shedyal 220kV | 08/01/2020 09:45:00 | 40 | 54425.0 | 7967.5 | 0.0 | -7967.5 | 14.64 | 0.00 | -3.101 | 0.000000 |
| Shedyal 220kV | 08/01/2020 10:00:00 | 41 | 54425.0 | 7670.0 | 10.0 | -7660.0 | 14.07 | 0.00 | -3.101 | 0.000000 |
| Shedyal 220kV | 08/01/2020 10:15:00 | 42 | 54425.0 | 7597.5 | 10.0 | -7587.5 | 13.94 | 0.00 | -3.101 | 0.000000 |
| Shedyal 220kV | 08/01/2020 10:30:00 | 43 | 54425.0 | 7700.0 | 60.0 | -7640.0 | 14.04 | 0.00 | -1.665 | 0.000000 |
| Shedyal 220kV | 08/01/2020 10:45:00 | 44 | 54425.0 | 7642.5 | 150.0 | -7492.5 | 13.77 | 0.00 | 0.000 | 0.000000 |
| Shedyal 220kV | 08/01/2020 11:00:00 | 45 | 54425.0 | 7637.5 | 110.0 | -7527.5 | 13.83 | 0.00 | -1.486 | 0.000000 |
| Shedyal 220kV | 08/01/2020 11:15:00 | 46 | 54425.0 | 7650.0 | 50.0 | -7600.0 | 13.96 | 0.00 | -1.305 | 0.000000 |
| Shedyal 220kV | 08/01/2020 11:30:00 | 47 | 54425.0 | 7690.0 | 250.0 | -7440.0 | 13.67 | 0.00 | -2.425 | 0.000000 |
| Shedyal 220kV | 08/01/2020 11:45:00 | 48 | 54425.0 | 7647.5 | 540.0 | -7107.5 | 13.06 | 0.00 | -2.775 | 0.000000 |
| Shedyal 220kV | 08/01/2020 12:00:00 | 49 | 54425.0 | 7652.5 | 860.0 | -6792.5 | 12.48 | 0.00 | -2.083 | 0.000000 |
| Shedyal 220kV | 08/01/2020 12:15:00 | 50 | 54425.0 | 6797.5 | 780.0 | -6017.5 | 11.06 | 0.00 | -3.242 | 0.000000 |
| Shedyal 220kV | 08/01/2020 12:30:00 | 51 | 54425.0 | 6745.0 | 880.0 | -5865.0 | 10.78 | 0.00 | -1.330 | 0.000000 |
| Shedyal 220kV | 08/01/2020 12:45:00 | 52 | 54425.0 | 6795.0 | 1570.0 | -5225.0 | 9.6 | 0.00 | -0.830 | 0.000000 |
| Shedyal 220kV | 08/01/2020 13:00:00 | 53 | 54425.0 | 6870.0 | 2050.0 | -4820.0 | 8.86 | 0.00 | 2.775 | 0.000000 |
| Shedyal 220kV | 08/01/2020 13:15:00 | 54 | 54425.0 | 6817.5 | 2350.0 | -4467.5 | 8.21 | 0.00 | 0.000 | 0.000000 |
| Shedyal 220kV | 08/01/2020 13:30:00 | 55 | 54425.0 | 6820.0 | 2150.0 | -4670.0 | 8.58 | 0.00 | -1.012 | 0.000000 |
| Shedyal 220kV | 08/01/2020 13:45:00 | 56 | 54425.0 | 6850.0 | 1640.0 | -5210.0 | 9.57 | 0.00 | -1.087 | 0.000000 |
| Shedyal 220kV | 08/01/2020 14:00:00 | 57 | 54425.0 | 6880.0 | 1980.0 | -4900.0 | 9.0 | 0.00 | -3.101 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shedyal 220kV | 08/01/2020 14:15:00 | 58 | 54425.0 | 6932.5 | 2370.0 | -4562.5 | 8.38 | 0.00 | -4.081 | 0.000000 |
| Shedyal 220kV | 08/01/2020 14:30:00 | 59 | 54425.0 | 6830.0 | 2300.0 | -4530.0 | 8.32 | 0.00 | -2.996 | 0.000000 |
| Shedyal 220kV | 08/01/2020 14:45:00 | 60 | 54425.0 | 6847.5 | 2760.0 | -4087.5 | 7.51 | 0.00 | -3.101 | 0.000000 |
| Shedyal 220kV | 08/01/2020 15:00:00 | 61 | 54425.0 | 6832.5 | 2090.0 | -4742.5 | 8.71 | 0.00 | -1.879 | 0.000000 |
| Shedyal 220kV | 08/01/2020 15:15:00 | 62 | 54425.0 | 6762.5 | 1760.0 | -5002.5 | 9.19 | 0.00 | -4.081 | 0.000000 |
| Shedyal 220kV | 08/01/2020 15:30:00 | 63 | 54425.0 | 6787.5 | 2040.0 | -4747.5 | 8.72 | 0.00 | 4.938 | 0.000000 |
| Shedyal 220kV | 08/01/2020 15:45:00 | 64 | 54425.0 | 6685.0 | 1870.0 | -4815.0 | 8.85 | 0.00 | 4.719 | 0.000000 |
| Shedyal 220kV | 08/01/2020 16:00:00 | 65 | 54425.0 | 6662.5 | 1870.0 | -4792.5 | 8.81 | 0.00 | 0.555 | 0.000000 |
| Shedyal 220kV | 08/01/2020 16:15:00 | 66 | 54425.0 | 6635.0 | 2030.0 | -4605.0 | 8.46 | 0.00 | -4.081 | 0.000000 |
| Shedyal 220kV | 08/01/2020 16:30:00 | 67 | 54425.0 | 6625.0 | 2120.0 | -4505.0 | 8.28 | 0.00 | -3.754 | 0.000000 |
| Shedyal 220kV | 08/01/2020 16:45:00 | 68 | 54425.0 | 6587.5 | 1290.0 | -5297.5 | 9.73 | 0.00 | -8.000 | 0.000000 |
| Shedyal 220kV | 08/01/2020 17:00:00 | 69 | 54425.0 | 7670.0 | 630.0 | -7040.0 | 12.94 | 0.00 | 0.000 | 0.000000 |
| Shedyal 220kV | 08/01/2020 17:15:00 | 70 | 54425.0 | 7622.5 | 550.0 | -7072.5 | 12.99 | 0.00 | 4.081 | 1356.685002 |
| Shedyal 220kV | 08/01/2020 17:30:00 | 71 | 54425.0 | 7697.5 | 670.0 | -7027.5 | 12.91 | 0.00 | -5.387 | 0.000000 |
| Shedyal 220kV | 08/01/2020 17:45:00 | 72 | 54425.0 | 7767.5 | 750.0 | -7017.5 | 12.89 | 0.00 | -3.101 | 0.000000 |
| Shedyal 220kV | 08/01/2020 18:00:00 | 73 | 54425.0 | 7625.0 | 720.0 | -6905.0 | 12.69 | 0.00 | -2.775 | 0.000000 |
| Shedyal 220kV | 08/01/2020 18:15:00 | 74 | 54425.0 | 7532.5 | 870.0 | -6662.5 | 12.24 | 0.00 | -3.101 | 0.000000 |
| Shedyal 220kV | 08/01/2020 18:30:00 | 75 | 54425.0 | 7517.5 | 1030.0 | -6487.5 | 11.92 | 0.00 | -2.220 | 0.000000 |
| Shedyal 220kV | 08/01/2020 18:45:00 | 76 | 54425.0 | 7550.0 | 1050.0 | -6500.0 | 11.94 | 0.00 | 2.220 | 5123.784481 |
| Shedyal 220kV | 08/01/2020 19:00:00 | 77 | 54425.0 | 7580.0 | 1330.0 | -6250.0 | 11.48 | 0.00 | 1.110 | 0.000000 |
| Shedyal 220kV | 08/01/2020 19:15:00 | 78 | 54425.0 | 7657.5 | 2050.0 | -5607.5 | 10.3 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shedyal 220kV | 08/01/2020 19:30:00 | 79 | 54425.0 | 7567.5 | 3200.0 | -4367.5 | 8.02 | 0.00 | -2.220 | 0.000000 |
| Shedyal 220kV | 08/01/2020 19:45:00 | 80 | 54425.0 | 7527.5 | 4310.0 | -3217.5 | 5.91 | 0.00 | -0.555 | 0.000000 |
| Shedyal 220kV | 08/01/2020 20:00:00 | 81 | 54425.0 | 7507.5 | 5550.0 | -1957.5 | 3.6 | 0.00 | 2.775 | 0.000000 |
| Shedyal 220kV | 08/01/2020 20:15:00 | 82 | 54425.0 | 7485.0 | 7150.0 | -335.0 | 0.62 | 0.00 | 3.101 | 560.147307 |
| Shedyal 220kV | 08/01/2020 20:30:00 | 83 | 54425.0 | 7602.5 | 8370.0 | 767.5 | 1.41 | 0.00 | 4.408 | 0.000000 |
| Shedyal 220kV | 08/01/2020 20:45:00 | 84 | 54425.0 | 7647.5 | 8350.0 | 702.5 | 1.29 | 0.00 | 3.101 | 0.000000 |
| Shedyal 220kV | 08/01/2020 21:00:00 | 85 | 54425.0 | 7690.0 | 8360.0 | 670.0 | 1.23 | 0.00 | 3.101 | 0.000000 |
| Shedyal 220kV | 08/01/2020 21:15:00 | 86 | 54425.0 | 7575.0 | 8830.0 | 1255.0 | 2.31 | 0.00 | -0.555 | 0.000000 |
| Shedyal 220kV | 08/01/2020 21:30:00 | 87 | 54425.0 | 7662.5 | 9310.0 | 1647.5 | 3.03 | 0.00 | -1.110 | 0.000000 |
| Shedyal 220kV | 08/01/2020 21:45:00 | 88 | 54425.0 | 7620.0 | 9100.0 | 1480.0 | 2.72 | 0.00 | -1.110 | 0.000000 |
| Shedyal 220kV | 08/01/2020 22:00:00 | 89 | 54425.0 | 7647.5 | 8970.0 | 1322.5 | 2.43 | 0.00 | -2.489 | 0.000000 |
| Shedyal 220kV | 08/01/2020 22:15:00 | 90 | 54425.0 | 7647.5 | 8590.0 | 942.5 | 1.73 | 0.00 | -2.775 | 0.000000 |
| Shedyal 220kV | 08/01/2020 22:30:00 | 91 | 54425.0 | 12462.5 | 7240.0 | -5222.5 | 9.6 | 0.00 | -2.223 | 0.000000 |
| Shedyal 220kV | 08/01/2020 22:45:00 | 92 | 54425.0 | 12365.0 | 5010.0 | -7355.0 | 13.51 | 0.00 | 1.110 | 0.000000 |
| Shedyal 220kV | 08/01/2020 23:00:00 | 93 | 54425.0 | 12345.0 | 3750.0 | -8595.0 | 15.79 | 215.63 | 1.110 | 917.610812 |
| Shedyal 220kV | 08/01/2020 23:15:00 | 94 | 54425.0 | 12425.0 | 2700.0 | -9725.0 | 17.87 | 780.63 | 1.110 | 0.000000 |
| Shedyal 220kV | 08/01/2020 23:30:00 | 95 | 54425.0 | 12452.5 | 2540.0 | -9912.5 | 18.21 | 874.38 | 2.775 | 90.109773 |
| Shedyal 220kV | 08/01/2020 23:45:00 | 96 | 54425.0 | 12482.5 | 3200.0 | -9282.5 | 17.06 | 559.38 | 0.000 | 0.000000 |
| Shedyal 220kV | 09/01/2020 00:00:00 | 1 | 54425.0 | 8145.0 | 3480.0 | -4665.0 | 8.57 | 0.00 | -0.576 | 0.000000 |
| Shedyal 220kV | 09/01/2020 00:15:00 | 2 | 54425.0 | 8197.5 | 2960.0 | -5237.5 | 9.62 | 0.00 | -1.727 | 0.000000 |
| Shedyal 220kV | 09/01/2020 00:30:00 | 3 | 54425.0 | 8127.5 | 3110.0 | -5017.5 | 9.22 | 0.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shedyal 220kV | 09/01/2020 00:45:00 | 4 | 54425.0 | 8125.0 | 3210.0 | -4915.0 | 9.03 | 0.00 | -2.879 | 0.000000 |
| Shedyal 220kV | 09/01/2020 01:00:00 | 5 | 54425.0 | 7950.0 | 2400.0 | -5550.0 | 10.2 | 0.00 | -3.519 | 0.000000 |
| Shedyal 220kV | 09/01/2020 01:15:00 | 6 | 54425.0 | 7890.0 | 2170.0 | -5720.0 | 10.51 | 0.00 | -3.519 | 0.000000 |
| Shedyal 220kV | 09/01/2020 01:30:00 | 7 | 54425.0 | 7647.5 | 1830.0 | -5817.5 | 10.69 | 0.00 | -3.199 | 0.000000 |
| Shedyal 220kV | 09/01/2020 01:45:00 | 8 | 54425.0 | 7637.5 | 1420.0 | -6217.5 | 11.42 | 0.00 | 3.519 | 1510.774958 |
| Shedyal 220kV | 09/01/2020 02:00:00 | 9 | 54425.0 | 7595.0 | 1380.0 | -6215.0 | 11.42 | 0.00 | 3.519 | 6842.142732 |
| Shedyal 220kV | 09/01/2020 02:15:00 | 10 | 54425.0 | 7672.5 | 1650.0 | -6022.5 | 11.07 | 0.00 | 2.879 | 2907.887697 |
| Shedyal 220kV | 09/01/2020 02:30:00 | 11 | 54425.0 | 7672.5 | 2200.0 | -5472.5 | 10.06 | 0.00 | 3.199 | 3801.675626 |
| Shedyal 220kV | 09/01/2020 02:45:00 | 12 | 54425.0 | 7745.0 | 2600.0 | -5145.0 | 9.45 | 0.00 | 1.152 | 0.000000 |
| Shedyal 220kV | 09/01/2020 03:00:00 | 13 | 54425.0 | 7647.5 | 2500.0 | -5147.5 | 9.46 | 0.00 | -2.879 | 0.000000 |
| Shedyal 220kV | 09/01/2020 03:15:00 | 14 | 54425.0 | 7637.5 | 2950.0 | -4687.5 | 8.61 | 0.00 | -3.839 | 0.000000 |
| Shedyal 220kV | 09/01/2020 03:30:00 | 15 | 54425.0 | 7595.0 | 3540.0 | -4055.0 | 7.45 | 0.00 | 3.199 | 0.000000 |
| Shedyal 220kV | 09/01/2020 03:45:00 | 16 | 54425.0 | 7597.5 | 4310.0 | -3287.5 | 6.04 | 0.00 | 0.000 | 0.000000 |
| Shedyal 220kV | 09/01/2020 04:00:00 | 17 | 54425.0 | 7722.5 | 5550.0 | -2172.5 | 3.99 | 0.00 | 1.727 | 0.000000 |
| Shedyal 220kV | 09/01/2020 04:15:00 | 18 | 54425.0 | 7720.0 | 5810.0 | -1910.0 | 3.51 | 0.00 | 1.727 | 0.000000 |
| Shedyal 220kV | 09/01/2020 04:30:00 | 19 | 54425.0 | 7625.0 | 6580.0 | -1045.0 | 1.92 | 0.00 | 1.727 | 0.000000 |
| Shedyal 220kV | 09/01/2020 04:45:00 | 20 | 54425.0 | 7660.0 | 6130.0 | -1530.0 | 2.81 | 0.00 | 2.879 | 1318.569325 |
| Shedyal 220kV | 09/01/2020 05:00:00 | 21 | 54425.0 | 7645.0 | 6090.0 | -1555.0 | 2.86 | 0.00 | 3.839 | 776.222936 |
| Shedyal 220kV | 09/01/2020 05:15:00 | 22 | 54425.0 | 7647.5 | 6650.0 | -997.5 | 1.83 | 0.00 | 5.119 | 1407.974033 |
| Shedyal 220kV | 09/01/2020 05:30:00 | 23 | 54425.0 | 7647.5 | 6530.0 | -1117.5 | 2.05 | 0.00 | 4.064 | 2874.661471 |
| Shedyal 220kV | 09/01/2020 05:45:00 | 24 | 54425.0 | 7770.0 | 5920.0 | -1850.0 | 3.4 | 0.00 | 1.152 | 13.051458 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shedyal 220kV | 09/01/2020 06:00:00 | 25 | 54425.0 | 7665.0 | 4720.0 | -2945.0 | 5.41 | 0.00 | -2.303 | 0.000000 |
| Shedyal 220kV | 09/01/2020 06:15:00 | 26 | 54425.0 | 7625.0 | 3440.0 | -4185.0 | 7.69 | 0.00 | 2.303 | 2783.648914 |
| Shedyal 220kV | 09/01/2020 06:30:00 | 27 | 54425.0 | 7660.0 | 2630.0 | -5030.0 | 9.24 | 0.00 | -3.839 | 0.000000 |
| Shedyal 220kV | 09/01/2020 06:45:00 | 28 | 54425.0 | 7645.0 | 2020.0 | -5625.0 | 10.34 | 0.00 | -2.879 | 0.000000 |
| Shedyal 220kV | 09/01/2020 07:00:00 | 29 | 54425.0 | 7597.5 | 2150.0 | -5447.5 | 10.01 | 0.00 | -2.879 | 0.000000 |
| Shedyal 220kV | 09/01/2020 07:15:00 | 30 | 54425.0 | 7650.0 | 2470.0 | -5180.0 | 9.52 | 0.00 | 6.400 | 2577.084860 |
| Shedyal 220kV | 09/01/2020 07:30:00 | 31 | 54425.0 | 7612.5 | 2390.0 | -5222.5 | 9.6 | 0.00 | 1.172 | 0.000000 |
| Shedyal 220kV | 09/01/2020 07:45:00 | 32 | 54425.0 | 7645.0 | 2020.0 | -5625.0 | 10.34 | 0.00 | 0.576 | 0.000000 |
| Shedyal 220kV | 09/01/2020 08:00:00 | 33 | 54425.0 | 7670.0 | 1770.0 | -5900.0 | 10.84 | 0.00 | -0.576 | 0.000000 |
| Shedyal 220kV | 09/01/2020 08:15:00 | 34 | 54425.0 | 7697.5 | 1550.0 | -6147.5 | 11.3 | 0.00 | -1.152 | 0.000000 |
| Shedyal 220kV | 09/01/2020 08:30:00 | 35 | 54425.0 | 7695.0 | 2150.0 | -5545.0 | 10.19 | 0.00 | 0.576 | 0.000000 |
| Shedyal 220kV | 09/01/2020 08:45:00 | 36 | 54425.0 | 7770.0 | 3170.0 | -4600.0 | 8.45 | 0.00 | 0.000 | 0.000000 |
| Shedyal 220kV | 09/01/2020 09:00:00 | 37 | 54425.0 | 7600.0 | 3580.0 | -4020.0 | 7.39 | 0.00 | 1.152 | 0.000000 |
| Shedyal 220kV | 09/01/2020 09:15:00 | 38 | 54425.0 | 7637.5 | 3470.0 | -4167.5 | 7.66 | 0.00 | 1.727 | 0.000000 |
| Shedyal 220kV | 09/01/2020 09:30:00 | 39 | 54425.0 | 7667.5 | 3490.0 | -4177.5 | 7.68 | 0.00 | -3.839 | 0.000000 |
| Shedyal 220kV | 09/01/2020 09:45:00 | 40 | 54425.0 | 7647.5 | 3390.0 | -4257.5 | 7.82 | 0.00 | -1.152 | 0.000000 |
| Shedyal 220kV | 09/01/2020 10:00:00 | 41 | 54425.0 | 7592.5 | 2670.0 | -4922.5 | 9.04 | 0.00 | 0.000 | 0.000000 |
| Shedyal 220kV | 09/01/2020 10:15:00 | 42 | 54425.0 | 7617.5 | 1690.0 | -5927.5 | 10.89 | 0.00 | 1.727 | 0.000000 |
| Shedyal 220kV | 09/01/2020 10:30:00 | 43 | 54425.0 | 7527.5 | 950.0 | -6577.5 | 12.09 | 0.00 | 2.303 | 0.000000 |
| Shedyal 220kV | 09/01/2020 10:45:00 | 44 | 54425.0 | 7520.0 | 550.0 | -6970.0 | 12.81 | 0.00 | -1.144 | 0.000000 |
| Shedyal 220kV | 09/01/2020 11:00:00 | 45 | 54425.0 | 7557.5 | 390.0 | -7167.5 | 13.17 | 0.00 | -4.479 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shedyal 220kV | 09/01/2020 11:15:00 | 46 | 54425.0 | 7590.0 | 180.0 | -7410.0 | 13.62 | 0.00 | -3.519 | 0.000000 |
| Shedyal 220kV | 09/01/2020 11:30:00 | 47 | 54425.0 | 7587.5 | 130.0 | -7457.5 | 13.7 | 0.00 | -2.303 | 0.000000 |
| Shedyal 220kV | 09/01/2020 11:45:00 | 48 | 54425.0 | 7607.5 | 10.0 | -7597.5 | 13.96 | 0.00 | -0.576 | 0.000000 |
| Shedyal 220kV | 09/01/2020 12:00:00 | 49 | 54425.0 | 7462.5 | 0.0 | -7462.5 | 13.71 | 0.00 | 0.000 | 0.000000 |
| Shedyal 220kV | 09/01/2020 12:15:00 | 50 | 54425.0 | 7542.5 | 0.0 | -7542.5 | 13.86 | 0.00 | 3.839 | 0.000000 |
| Shedyal 220kV | 09/01/2020 12:30:00 | 51 | 54425.0 | 7547.5 | 0.0 | -7547.5 | 13.87 | 0.00 | 3.199 | 0.000000 |
| Shedyal 220kV | 09/01/2020 12:45:00 | 52 | 54425.0 | 7647.5 | 0.0 | -7647.5 | 14.05 | 0.00 | 3.199 | 0.000000 |
| Shedyal 220kV | 09/01/2020 13:00:00 | 53 | 54425.0 | 7647.5 | 0.0 | -7647.5 | 14.05 | 0.00 | -1.152 | 0.000000 |
| Shedyal 220kV | 09/01/2020 13:15:00 | 54 | 54425.0 | 7770.0 | 0.0 | -7770.0 | 14.28 | 0.00 | -1.152 | 0.000000 |
| Shedyal 220kV | 09/01/2020 13:30:00 | 55 | 54425.0 | 7665.0 | 0.0 | -7665.0 | 14.08 | 0.00 | 1.727 | 0.000000 |
| Shedyal 220kV | 09/01/2020 13:45:00 | 56 | 54425.0 | 7625.0 | 0.0 | -7625.0 | 14.01 | 0.00 | 3.199 | 0.000000 |
| Shedyal 220kV | 09/01/2020 14:00:00 | 57 | 54425.0 | 7660.0 | 0.0 | -7660.0 | 14.07 | 0.00 | 4.345 | 0.000000 |
| Shedyal 220kV | 09/01/2020 14:15:00 | 58 | 54425.0 | 7645.0 | 0.0 | -7645.0 | 14.05 | 0.00 | 3.941 | 0.000000 |
| Shedyal 220kV | 09/01/2020 14:30:00 | 59 | 54425.0 | 7542.5 | 0.0 | -7542.5 | 13.86 | 0.00 | 1.152 | 0.000000 |
| Shedyal 220kV | 09/01/2020 14:45:00 | 60 | 54425.0 | 7497.5 | 0.0 | -7497.5 | 13.78 | 0.00 | -0.576 | 0.000000 |
| Shedyal 220kV | 09/01/2020 15:00:00 | 61 | 54425.0 | 7540.0 | 0.0 | -7540.0 | 13.85 | 0.00 | -1.006 | 0.000000 |
| Shedyal 220kV | 09/01/2020 15:15:00 | 62 | 54425.0 | 7527.5 | 0.0 | -7527.5 | 13.83 | 0.00 | 3.199 | 0.000000 |
| Shedyal 220kV | 09/01/2020 15:30:00 | 63 | 54425.0 | 7560.0 | 0.0 | -7560.0 | 13.89 | 0.00 | 2.879 | 0.000000 |
| Shedyal 220kV | 09/01/2020 15:45:00 | 64 | 54425.0 | 7720.0 | 0.0 | -7720.0 | 14.18 | 0.00 | 3.839 | 0.000000 |
| Shedyal 220kV | 09/01/2020 16:00:00 | 65 | 54425.0 | 7745.0 | 0.0 | -7745.0 | 14.23 | 0.00 | 1.727 | 0.000000 |
| Shedyal 220kV | 09/01/2020 16:15:00 | 66 | 54425.0 | 7695.0 | 0.0 | -7695.0 | 14.14 | 0.00 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shedyal 220kV | 09/01/2020 16:30:00 | 67 | 54425.0 | 7650.0 | 10.0 | -7640.0 | 14.04 | 0.00 | -4.159 | 0.000000 |
| Shedyal 220kV | 09/01/2020 16:45:00 | 68 | 54425.0 | 7612.5 | 20.0 | -7592.5 | 13.95 | 0.00 | 3.839 | 0.000000 |
| Shedyal 220kV | 09/01/2020 17:00:00 | 69 | 54425.0 | 7645.0 | 40.0 | -7605.0 | 13.97 | 0.00 | 1.727 | 0.000000 |
| Shedyal 220kV | 09/01/2020 17:15:00 | 70 | 54425.0 | 7670.0 | 200.0 | -7470.0 | 13.73 | 0.00 | 3.839 | 2567.556790 |
| Shedyal 220kV | 09/01/2020 17:30:00 | 71 | 54425.0 | 7697.5 | 360.0 | -7337.5 | 13.48 | 0.00 | -2.879 | 0.000000 |
| Shedyal 220kV | 09/01/2020 17:45:00 | 72 | 54425.0 | 7695.0 | 410.0 | -7285.0 | 13.39 | 0.00 | -4.146 | 0.000000 |
| Shedyal 220kV | 09/01/2020 18:00:00 | 73 | 54425.0 | 7650.0 | 1320.0 | -6330.0 | 11.63 | 0.00 | -3.349 | 0.000000 |
| Shedyal 220kV | 09/01/2020 18:15:00 | 74 | 54425.0 | 7612.5 | 2260.0 | -5352.5 | 9.83 | 0.00 | -4.563 | 0.000000 |
| Shedyal 220kV | 09/01/2020 18:30:00 | 75 | 54425.0 | 7645.0 | 2960.0 | -4685.0 | 8.61 | 0.00 | -3.839 | 0.000000 |
| Shedyal 220kV | 09/01/2020 18:45:00 | 76 | 54425.0 | 7670.0 | 4010.0 | -3660.0 | 6.72 | 0.00 | -2.879 | 0.000000 |
| Shedyal 220kV | 09/01/2020 19:00:00 | 77 | 54425.0 | 7697.5 | 5060.0 | -2637.5 | 4.85 | 0.00 | -3.199 | 0.000000 |
| Shedyal 220kV | 09/01/2020 19:15:00 | 78 | 54425.0 | 7695.0 | 5040.0 | -2655.0 | 4.88 | 0.00 | -1.727 | 0.000000 |
| Shedyal 220kV | 09/01/2020 19:30:00 | 79 | 54425.0 | 7575.0 | 5150.0 | -2425.0 | 4.46 | 0.00 | -1.442 | 0.000000 |
| Shedyal 220kV | 09/01/2020 19:45:00 | 80 | 54425.0 | 7662.5 | 4790.0 | -2872.5 | 5.28 | 0.00 | -0.286 | 0.000000 |
| Shedyal 220kV | 09/01/2020 20:00:00 | 81 | 54425.0 | 7620.0 | 4560.0 | -3060.0 | 5.62 | 0.00 | -1.070 | 0.000000 |
| Shedyal 220kV | 09/01/2020 20:15:00 | 82 | 54425.0 | 7647.5 | 4780.0 | -2867.5 | 5.27 | 0.00 | -2.236 | 0.000000 |
| Shedyal 220kV | 09/01/2020 20:30:00 | 83 | 54425.0 | 7720.0 | 6120.0 | -1600.0 | 2.94 | 0.00 | -4.799 | 0.000000 |
| Shedyal 220kV | 09/01/2020 20:45:00 | 84 | 54425.0 | 7745.0 | 7040.0 | -705.0 | 1.3 | 0.00 | -1.727 | 0.000000 |
| Shedyal 220kV | 09/01/2020 21:00:00 | 85 | 54425.0 | 11622.5 | 7680.0 | -3942.5 | 7.24 | 0.00 | -1.727 | 0.000000 |
| Shedyal 220kV | 09/01/2020 21:15:00 | 86 | 54425.0 | 11697.5 | 8370.0 | -3327.5 | 6.11 | 0.00 | 1.152 | 0.000000 |
| Shedyal 220kV | 09/01/2020 21:30:00 | 87 | 54425.0 | 11835.0 | 8570.0 | -3265.0 | 6.0 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shedyal 220kV | 09/01/2020 21:45:00 | 88 | 54425.0 | 11857.5 | 8310.0 | -3547.5 | 6.52 | 0.00 | -2.303 | 0.000000 |
| Shedyal 220kV | 09/01/2020 22:00:00 | 89 | 54425.0 | 11922.5 | 8380.0 | -3542.5 | 6.51 | 0.00 | -2.795 | 0.000000 |
| Shedyal 220kV | 09/01/2020 22:15:00 | 90 | 54425.0 | 11985.0 | 8070.0 | -3915.0 | 7.19 | 0.00 | -3.674 | 0.000000 |
| Shedyal 220kV | 09/01/2020 22:30:00 | 91 | 54425.0 | 11830.0 | 8810.0 | -3020.0 | 5.55 | 0.00 | -2.303 | 0.000000 |
| Shedyal 220kV | 09/01/2020 22:45:00 | 92 | 54425.0 | 11700.0 | 9380.0 | -2320.0 | 4.26 | 0.00 | -1.152 | 0.000000 |
| Shedyal 220kV | 09/01/2020 23:00:00 | 93 | 54425.0 | 11632.5 | 8970.0 | -2662.5 | 4.89 | 0.00 | 0.000 | 0.000000 |
| Shedyal 220kV | 09/01/2020 23:15:00 | 94 | 54425.0 | 11407.5 | 9450.0 | -1957.5 | 3.6 | 0.00 | -0.576 | 0.000000 |
| Shedyal 220kV | 09/01/2020 23:30:00 | 95 | 54425.0 | 11492.5 | 9540.0 | -1952.5 | 3.59 | 0.00 | -0.576 | 0.000000 |
| Shedyal 220kV | 09/01/2020 23:45:00 | 96 | 54425.0 | 11660.0 | 9840.0 | -1820.0 | 3.34 | 0.00 | -0.987 | 0.000000 |
| Shedyal 220kV | 10/01/2020 00:00:00 | 1 | 54425.0 | 11025.0 | 10760.0 | -265.0 | 0.49 | 0.00 | -0.680 | 0.000000 |
| Shedyal 220kV | 10/01/2020 00:15:00 | 2 | 54425.0 | 10765.0 | 12010.0 | 1245.0 | 2.29 | 0.00 | -3.326 | 0.000000 |
| Shedyal 220kV | 10/01/2020 00:30:00 | 3 | 54425.0 | 10720.0 | 11660.0 | 940.0 | 1.73 | 0.00 | -2.992 | 0.000000 |
| Shedyal 220kV | 10/01/2020 00:45:00 | 4 | 54425.0 | 10710.0 | 11280.0 | 570.0 | 1.05 | 0.00 | -0.532 | 0.000000 |
| Shedyal 220kV | 10/01/2020 01:00:00 | 5 | 54425.0 | 10575.0 | 11130.0 | 555.0 | 1.02 | 0.00 | -0.713 | 0.000000 |
| Shedyal 220kV | 10/01/2020 01:15:00 | 6 | 54425.0 | 11575.0 | 10370.0 | -1205.0 | 2.21 | 0.00 | -0.548 | 0.000000 |
| Shedyal 220kV | 10/01/2020 01:30:00 | 7 | 54425.0 | 11402.5 | 9940.0 | -1462.5 | 2.69 | 0.00 | -2.658 | 0.000000 |
| Shedyal 220kV | 10/01/2020 01:45:00 | 8 | 54425.0 | 11392.5 | 8700.0 | -2692.5 | 4.95 | 0.00 | 2.127 | 0.000000 |
| Shedyal 220kV | 10/01/2020 02:00:00 | 9 | 54425.0 | 11250.0 | 7800.0 | -3450.0 | 6.34 | 0.00 | 5.342 | 6759.825698 |
| Shedyal 220kV | 10/01/2020 02:15:00 | 10 | 54425.0 | 11210.0 | 6860.0 | -4350.0 | 7.99 | 0.00 | 1.595 | 0.000000 |
| Shedyal 220kV | 10/01/2020 02:30:00 | 11 | 54425.0 | 11010.0 | 6250.0 | -4760.0 | 8.75 | 0.00 | 3.326 | 0.000000 |
| Shedyal 220kV | 10/01/2020 02:45:00 | 12 | 54425.0 | 10950.0 | 5340.0 | -5610.0 | 10.31 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shedyal 220kV | 10/01/2020 03:00:00 | 13 | 54425.0 | 10675.0 | 4880.0 | -5795.0 | 10.65 | 0.00 | 2.658 | 0.000000 |
| Shedyal 220kV | 10/01/2020 03:15:00 | 14 | 54425.0 | 10635.0 | 5190.0 | -5445.0 | 10.0 | 0.00 | 2.127 | 863.374322 |
| Shedyal 220kV | 10/01/2020 03:30:00 | 15 | 54425.0 | 10582.5 | 5650.0 | -4932.5 | 9.06 | 0.00 | 2.127 | 927.264106 |
| Shedyal 220kV | 10/01/2020 03:45:00 | 16 | 54425.0 | 10555.0 | 5420.0 | -5135.0 | 9.44 | 0.00 | -1.063 | 0.000000 |
| Shedyal 220kV | 10/01/2020 04:00:00 | 17 | 54425.0 | 10482.5 | 5100.0 | -5382.5 | 9.89 | 0.00 | 1.595 | 0.000000 |
| Shedyal 220kV | 10/01/2020 04:15:00 | 18 | 54425.0 | 10245.0 | 5090.0 | -5155.0 | 9.47 | 0.00 | 3.326 | 3065.363618 |
| Shedyal 220kV | 10/01/2020 04:30:00 | 19 | 54425.0 | 10327.5 | 5260.0 | -5067.5 | 9.31 | 0.00 | 3.326 | 0.000000 |
| Shedyal 220kV | 10/01/2020 04:45:00 | 20 | 54425.0 | 10285.0 | 5420.0 | -4865.0 | 8.94 | 0.00 | 2.127 | 0.000000 |
| Shedyal 220kV | 10/01/2020 05:00:00 | 21 | 54425.0 | 10087.5 | 5090.0 | -4997.5 | 9.18 | 0.00 | 2.992 | 0.000000 |
| Shedyal 220kV | 10/01/2020 05:15:00 | 22 | 54425.0 | 10105.0 | 4110.0 | -5995.0 | 11.02 | 0.00 | 1.063 | 0.000000 |
| Shedyal 220kV | 10/01/2020 05:30:00 | 23 | 54425.0 | 10045.0 | 3840.0 | -6205.0 | 11.4 | 0.00 | -2.658 | 0.000000 |
| Shedyal 220kV | 10/01/2020 05:45:00 | 24 | 54425.0 | 10062.5 | 4060.0 | -6002.5 | 11.03 | 0.00 | 2.127 | 0.000000 |
| Shedyal 220kV | 10/01/2020 06:00:00 | 25 | 54425.0 | 9482.5 | 3990.0 | -5492.5 | 10.09 | 0.00 | -2.127 | 0.000000 |
| Shedyal 220kV | 10/01/2020 06:15:00 | 26 | 54425.0 | 9540.0 | 3840.0 | -5700.0 | 10.47 | 0.00 | 2.658 | 1446.026964 |
| Shedyal 220kV | 10/01/2020 06:30:00 | 27 | 54425.0 | 9742.5 | 3730.0 | -6012.5 | 11.05 | 0.00 | -2.992 | 0.000000 |
| Shedyal 220kV | 10/01/2020 06:45:00 | 28 | 54425.0 | 9745.0 | 3580.0 | -6165.0 | 11.33 | 0.00 | -3.077 | 0.000000 |
| Shedyal 220kV | 10/01/2020 07:00:00 | 29 | 54425.0 | 9512.5 | 3320.0 | -6192.5 | 11.38 | 0.00 | -0.687 | 0.000000 |
| Shedyal 220kV | 10/01/2020 07:15:00 | 30 | 54425.0 | 9512.5 | 3130.0 | -6382.5 | 11.73 | 0.00 | -2.658 | 0.000000 |
| Shedyal 220kV | 10/01/2020 07:30:00 | 31 | 54425.0 | 9395.0 | 2630.0 | -6765.0 | 12.43 | 0.00 | -1.063 | 0.000000 |
| Shedyal 220kV | 10/01/2020 07:45:00 | 32 | 54425.0 | 9152.5 | 2050.0 | -7102.5 | 13.05 | 0.00 | -2.658 | 0.000000 |
| Shedyal 220kV | 10/01/2020 08:00:00 | 33 | 54425.0 | 9145.0 | 1670.0 | -7475.0 | 13.73 | 0.00 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shedyal 220kV | 10/01/2020 08:15:00 | 34 | 54425.0 | 9002.5 | 1640.0 | -7362.5 | 13.53 | 0.00 | -4.661 | 0.000000 |
| Shedyal 220kV | 10/01/2020 08:30:00 | 35 | 54425.0 | 8895.0 | 1910.0 | -6985.0 | 12.83 | 0.00 | 5.663 | 0.000000 |
| Shedyal 220kV | 10/01/2020 08:45:00 | 36 | 54425.0 | 8717.5 | 2370.0 | -6347.5 | 11.66 | 0.00 | 4.328 | 0.000000 |
| Shedyal 220kV | 10/01/2020 09:00:00 | 37 | 54425.0 | 8690.0 | 2730.0 | -5960.0 | 10.95 | 0.00 | -4.995 | 0.000000 |
| Shedyal 220kV | 10/01/2020 09:15:00 | 38 | 54425.0 | 8595.0 | 2800.0 | -5795.0 | 10.65 | 0.00 | -4.327 | 0.000000 |
| Shedyal 220kV | 10/01/2020 09:30:00 | 39 | 54425.0 | 8470.0 | 2670.0 | -5800.0 | 10.66 | 0.00 | -2.127 | 0.000000 |
| Shedyal 220kV | 10/01/2020 09:45:00 | 40 | 54425.0 | 8437.5 | 2220.0 | -6217.5 | 11.42 | 0.00 | -1.152 | 0.000000 |
| Shedyal 220kV | 10/01/2020 10:00:00 | 41 | 54425.0 | 8200.0 | 2290.0 | -5910.0 | 10.86 | 0.00 | 0.000 | 0.000000 |
| Shedyal 220kV | 10/01/2020 10:15:00 | 42 | 54425.0 | 8172.5 | 2570.0 | -5602.5 | 10.29 | 0.00 | -0.532 | 0.000000 |
| Shedyal 220kV | 10/01/2020 10:30:00 | 43 | 54425.0 | 7745.0 | 2680.0 | -5065.0 | 9.31 | 0.00 | -1.063 | 0.000000 |
| Shedyal 220kV | 10/01/2020 10:45:00 | 44 | 54425.0 | 7575.0 | 2430.0 | -5145.0 | 9.45 | 0.00 | 0.000 | 0.000000 |
| Shedyal 220kV | 10/01/2020 11:00:00 | 45 | 54425.0 | 7662.5 | 2470.0 | -5192.5 | 9.54 | 0.00 | 2.658 | 0.000000 |
| Shedyal 220kV | 10/01/2020 11:15:00 | 46 | 54425.0 | 7720.0 | 2620.0 | -5100.0 | 9.37 | 0.00 | 0.000 | 0.000000 |
| Shedyal 220kV | 10/01/2020 11:30:00 | 47 | 54425.0 | 7625.0 | 2390.0 | -5235.0 | 9.62 | 0.00 | -1.595 | 0.000000 |
| Shedyal 220kV | 10/01/2020 11:45:00 | 48 | 54425.0 | 7660.0 | 1870.0 | -5790.0 | 10.64 | 0.00 | 2.992 | 0.000000 |
| Shedyal 220kV | 10/01/2020 12:00:00 | 49 | 54425.0 | 7645.0 | 1440.0 | -6205.0 | 11.4 | 0.00 | 0.000 | 0.000000 |
| Shedyal 220kV | 10/01/2020 12:15:00 | 50 | 54425.0 | 7597.5 | 1080.0 | -6517.5 | 11.98 | 0.00 | 2.127 | 0.000000 |
| Shedyal 220kV | 10/01/2020 12:30:00 | 51 | 54425.0 | 7722.5 | 910.0 | -6812.5 | 12.52 | 0.00 | 1.595 | 0.000000 |
| Shedyal 220kV | 10/01/2020 12:45:00 | 52 | 54425.0 | 7720.0 | 790.0 | -6930.0 | 12.73 | 0.00 | -1.063 | 0.000000 |
| Shedyal 220kV | 10/01/2020 13:00:00 | 53 | 54425.0 | 7575.0 | 930.0 | -6645.0 | 12.21 | 0.00 | 2.658 | 0.000000 |
| Shedyal 220kV | 10/01/2020 13:15:00 | 54 | 54425.0 | 7662.5 | 940.0 | -6722.5 | 12.35 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shedyal 220kV | 10/01/2020 13:30:00 | 55 | 54425.0 | 7620.0 | 750.0 | -6870.0 | 12.62 | 0.00 | 2.127 | 0.000000 |
| Shedyal 220kV | 10/01/2020 13:45:00 | 56 | 54425.0 | 7647.5 | 630.0 | -7017.5 | 12.89 | 0.00 | -3.326 | 0.000000 |
| Shedyal 220kV | 10/01/2020 14:00:00 | 57 | 54425.0 | 7720.0 | 610.0 | -7110.0 | 13.06 | 0.00 | -2.992 | 0.000000 |
| Shedyal 220kV | 10/01/2020 14:15:00 | 58 | 54425.0 | 7745.0 | 720.0 | -7025.0 | 12.91 | 0.00 | 3.660 | 0.000000 |
| Shedyal 220kV | 10/01/2020 14:30:00 | 59 | 54425.0 | 7520.0 | 600.0 | -6920.0 | 12.71 | 0.00 | -2.127 | 0.000000 |
| Shedyal 220kV | 10/01/2020 14:45:00 | 60 | 54425.0 | 7510.0 | 600.0 | -6910.0 | 12.7 | 0.00 | -2.127 | 0.000000 |
| Shedyal 220kV | 10/01/2020 15:00:00 | 61 | 54425.0 | 7547.5 | 790.0 | -6757.5 | 12.42 | 0.00 | 0.000 | 0.000000 |
| Shedyal 220kV | 10/01/2020 15:15:00 | 62 | 54425.0 | 7647.5 | 880.0 | -6767.5 | 12.43 | 0.00 | -2.992 | 0.000000 |
| Shedyal 220kV | 10/01/2020 15:30:00 | 63 | 54425.0 | 7720.0 | 700.0 | -7020.0 | 12.9 | 0.00 | -4.995 | 0.000000 |
| Shedyal 220kV | 10/01/2020 15:45:00 | 64 | 54425.0 | 7697.5 | 820.0 | -6877.5 | 12.64 | 0.00 | -4.327 | 0.000000 |
| Shedyal 220kV | 10/01/2020 16:00:00 | 65 | 54425.0 | 7695.0 | 540.0 | -7155.0 | 13.15 | 0.00 | -4.995 | 0.000000 |
| Shedyal 220kV | 10/01/2020 16:15:00 | 66 | 54425.0 | 7715.0 | 660.0 | -7055.0 | 12.96 | 0.00 | -8.000 | 0.000000 |
| Shedyal 220kV | 10/01/2020 16:30:00 | 67 | 54425.0 | 7600.0 | 660.0 | -6940.0 | 12.75 | 0.00 | -8.000 | 0.000000 |
| Shedyal 220kV | 10/01/2020 16:45:00 | 68 | 54425.0 | 7612.5 | 310.0 | -7302.5 | 13.42 | 0.00 | 4.327 | 0.000000 |
| Shedyal 220kV | 10/01/2020 17:00:00 | 69 | 54425.0 | 7645.0 | 210.0 | -7435.0 | 13.66 | 0.00 | 0.532 | 0.000000 |
| Shedyal 220kV | 10/01/2020 17:15:00 | 70 | 54425.0 | 7670.0 | 150.0 | -7520.0 | 13.82 | 0.00 | -1.595 | 0.000000 |
| Shedyal 220kV | 10/01/2020 17:30:00 | 71 | 54425.0 | 7625.0 | 190.0 | -7435.0 | 13.66 | 0.00 | -2.658 | 0.000000 |
| Shedyal 220kV | 10/01/2020 17:45:00 | 72 | 54425.0 | 7587.5 | 320.0 | -7267.5 | 13.35 | 0.00 | -2.127 | 0.000000 |
| Shedyal 220kV | 10/01/2020 18:00:00 | 73 | 54425.0 | 7670.0 | 590.0 | -7080.0 | 13.01 | 0.00 | -1.461 | 0.000000 |
| Shedyal 220kV | 10/01/2020 18:15:00 | 74 | 54425.0 | 7622.5 | 840.0 | -6782.5 | 12.46 | 0.00 | 3.326 | 2383.480337 |
| Shedyal 220kV | 10/01/2020 18:30:00 | 75 | 54425.0 | 7697.5 | 1350.0 | -6347.5 | 11.66 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shedyal 220kV | 10/01/2020 18:45:00 | 76 | 54425.0 | 7767.5 | 1970.0 | -5797.5 | 10.65 | 0.00 | 3.994 | 967.744144 |
| Shedyal 220kV | 10/01/2020 19:00:00 | 77 | 54425.0 | 7745.0 | 2320.0 | -5425.0 | 9.97 | 0.00 | -2.127 | 0.000000 |
| Shedyal 220kV | 10/01/2020 19:15:00 | 78 | 54425.0 | 7575.0 | 2280.0 | -5295.0 | 9.73 | 0.00 | -2.658 | 0.000000 |
| Shedyal 220kV | 10/01/2020 19:30:00 | 79 | 54425.0 | 7587.5 | 2380.0 | -5207.5 | 9.57 | 0.00 | -3.660 | 0.000000 |
| Shedyal 220kV | 10/01/2020 19:45:00 | 80 | 54425.0 | 7670.0 | 2710.0 | -4960.0 | 9.11 | 0.00 | -3.326 | 0.000000 |
| Shedyal 220kV | 10/01/2020 20:00:00 | 81 | 54425.0 | 7622.5 | 2450.0 | -5172.5 | 9.5 | 0.00 | 3.660 | 1260.894395 |
| Shedyal 220kV | 10/01/2020 20:15:00 | 82 | 54425.0 | 7697.5 | 2440.0 | -5257.5 | 9.66 | 0.00 | 3.660 | 5503.821788 |
| Shedyal 220kV | 10/01/2020 20:30:00 | 83 | 54425.0 | 7767.5 | 2470.0 | -5297.5 | 9.73 | 0.00 | 4.995 | 7872.937880 |
| Shedyal 220kV | 10/01/2020 20:45:00 | 84 | 54425.0 | 7625.0 | 2160.0 | -5465.0 | 10.04 | 0.00 | 2.992 | 5743.329922 |
| Shedyal 220kV | 10/01/2020 21:00:00 | 85 | 54425.0 | 7637.5 | 2080.0 | -5557.5 | 10.21 | 0.00 | -3.660 | 0.000000 |
| Shedyal 220kV | 10/01/2020 21:15:00 | 86 | 54425.0 | 7595.0 | 1810.0 | -5785.0 | 10.63 | 0.00 | -1.595 | 0.000000 |
| Shedyal 220kV | 10/01/2020 21:30:00 | 87 | 54425.0 | 7672.5 | 1680.0 | -5992.5 | 11.01 | 0.00 | -1.063 | 0.000000 |
| Shedyal 220kV | 10/01/2020 21:45:00 | 88 | 54425.0 | 7672.5 | 1930.0 | -5742.5 | 10.55 | 0.00 | -0.532 | 0.000000 |
| Shedyal 220kV | 10/01/2020 22:00:00 | 89 | 54425.0 | 7745.0 | 2070.0 | -5675.0 | 10.43 | 0.00 | -1.595 | 0.000000 |
| Shedyal 220kV | 10/01/2020 22:15:00 | 90 | 54425.0 | 7647.5 | 2400.0 | -5247.5 | 9.64 | 0.00 | -2.127 | 0.000000 |
| Shedyal 220kV | 10/01/2020 22:30:00 | 91 | 54425.0 | 7637.5 | 3070.0 | -4567.5 | 8.39 | 0.00 | 1.063 | 0.000000 |
| Shedyal 220kV | 10/01/2020 22:45:00 | 92 | 54425.0 | 7595.0 | 3770.0 | -3825.0 | 7.03 | 0.00 | -2.658 | 0.000000 |
| Shedyal 220kV | 10/01/2020 23:00:00 | 93 | 54425.0 | 7672.5 | 3720.0 | -3952.5 | 7.26 | 0.00 | -2.658 | 0.000000 |
| Shedyal 220kV | 10/01/2020 23:15:00 | 94 | 54425.0 | 7672.5 | 3580.0 | -4092.5 | 7.52 | 0.00 | 0.000 | 0.000000 |
| Shedyal 220kV | 10/01/2020 23:30:00 | 95 | 54425.0 | 8072.5 | 4020.0 | -4052.5 | 7.45 | 0.00 | 0.000 | 0.000000 |
| Shedyal 220kV | 10/01/2020 23:45:00 | 96 | 54425.0 | 8057.5 | 4500.0 | -3557.5 | 6.54 | 0.00 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shedyal 220kV | 11/01/2020 00:00:00 | 1 | 54425.0 | 7992.5 | 5730.0 | -2262.5 | 4.16 | 0.00 | 0.000 | 0.000000 |
| Shedyal 220kV | 11/01/2020 00:15:00 | 2 | 54425.0 | 7950.0 | 7810.0 | -140.0 | 0.26 | 0.00 | -2.629 | 0.000000 |
| Shedyal 220kV | 11/01/2020 00:30:00 | 3 | 54425.0 | 7950.0 | 9280.0 | 1330.0 | 2.44 | 0.00 | -1.577 | 0.000000 |
| Shedyal 220kV | 11/01/2020 00:45:00 | 4 | 54425.0 | 7975.0 | 9450.0 | 1475.0 | 2.71 | 0.00 | 2.103 | 0.000000 |
| Shedyal 220kV | 11/01/2020 01:00:00 | 5 | 54425.0 | 7867.5 | 9590.0 | 1722.5 | 3.16 | 0.00 | 2.964 | 0.000000 |
| Shedyal 220kV | 11/01/2020 01:15:00 | 6 | 54425.0 | 7925.0 | 9340.0 | 1415.0 | 2.6 | 0.00 | 1.052 | 0.000000 |
| Shedyal 220kV | 11/01/2020 01:30:00 | 7 | 54425.0 | 7972.5 | 8830.0 | 857.5 | 1.58 | 0.00 | 1.577 | 0.000000 |
| Shedyal 220kV | 11/01/2020 01:45:00 | 8 | 54425.0 | 7925.0 | 8050.0 | 125.0 | 0.23 | 0.00 | -0.526 | 0.000000 |
| Shedyal 220kV | 11/01/2020 02:00:00 | 9 | 54425.0 | 7875.0 | 7390.0 | -485.0 | 0.89 | 0.00 | -0.403 | 0.000000 |
| Shedyal 220kV | 11/01/2020 02:15:00 | 10 | 54425.0 | 7950.0 | 7450.0 | -500.0 | 0.92 | 0.00 | -0.630 | 0.000000 |
| Shedyal 220kV | 11/01/2020 02:30:00 | 11 | 54425.0 | 7925.0 | 7470.0 | -455.0 | 0.84 | 0.00 | -0.526 | 0.000000 |
| Shedyal 220kV | 11/01/2020 02:45:00 | 12 | 54425.0 | 7925.0 | 7740.0 | -185.0 | 0.34 | 0.00 | -0.526 | 0.000000 |
| Shedyal 220kV | 11/01/2020 03:00:00 | 13 | 54425.0 | 10110.0 | 8080.0 | -2030.0 | 3.73 | 0.00 | -1.051 | 0.000000 |
| Shedyal 220kV | 11/01/2020 03:15:00 | 14 | 54425.0 | 10112.5 | 8070.0 | -2042.5 | 3.75 | 0.00 | 0.000 | 0.000000 |
| Shedyal 220kV | 11/01/2020 03:30:00 | 15 | 54425.0 | 9910.0 | 7140.0 | -2770.0 | 5.09 | 0.00 | 0.000 | 0.000000 |
| Shedyal 220kV | 11/01/2020 03:45:00 | 16 | 54425.0 | 9792.5 | 6620.0 | -3172.5 | 5.83 | 0.00 | 0.000 | 0.000000 |
| Shedyal 220kV | 11/01/2020 04:00:00 | 17 | 54425.0 | 9607.5 | 6380.0 | -3227.5 | 5.93 | 0.00 | 0.000 | 0.000000 |
| Shedyal 220kV | 11/01/2020 04:15:00 | 18 | 54425.0 | 9415.0 | 5700.0 | -3715.0 | 6.83 | 0.00 | -1.051 | 0.000000 |
| Shedyal 220kV | 11/01/2020 04:30:00 | 19 | 54425.0 | 9332.5 | 5080.0 | -4252.5 | 7.81 | 0.00 | -2.964 | 0.000000 |
| Shedyal 220kV | 11/01/2020 04:45:00 | 20 | 54425.0 | 9290.0 | 4870.0 | -4420.0 | 8.12 | 0.00 | -3.300 | 0.000000 |
| Shedyal 220kV | 11/01/2020 05:00:00 | 21 | 54425.0 | 8860.0 | 4920.0 | -3940.0 | 7.24 | 0.00 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shedyal 220kV | 11/01/2020 05:15:00 | 22 | 54425.0 | 8712.5 | 5200.0 | -3512.5 | 6.45 | 0.00 | 5.314 | 4401.142340 |
| Shedyal 220kV | 11/01/2020 05:30:00 | 23 | 54425.0 | 8567.5 | 5450.0 | -3117.5 | 5.73 | 0.00 | 2.964 | 1887.494452 |
| Shedyal 220kV | 11/01/2020 05:45:00 | 24 | 54425.0 | 8587.5 | 5660.0 | -2927.5 | 5.38 | 0.00 | 2.103 | 0.000000 |
| Shedyal 220kV | 11/01/2020 06:00:00 | 25 | 54425.0 | 8187.5 | 5720.0 | -2467.5 | 4.53 | 0.00 | 3.636 | 0.000000 |
| Shedyal 220kV | 11/01/2020 06:15:00 | 26 | 54425.0 | 8245.0 | 6050.0 | -2195.0 | 4.03 | 0.00 | 2.964 | 0.000000 |
| Shedyal 220kV | 11/01/2020 06:30:00 | 27 | 54425.0 | 8270.0 | 6110.0 | -2160.0 | 3.97 | 0.00 | 4.105 | 1586.801775 |
| Shedyal 220kV | 11/01/2020 06:45:00 | 28 | 54425.0 | 8187.5 | 5560.0 | -2627.5 | 4.83 | 0.00 | 5.650 | 406.348935 |
| Shedyal 220kV | 11/01/2020 07:00:00 | 29 | 54425.0 | 8077.5 | 5320.0 | -2757.5 | 5.07 | 0.00 | 3.300 | 0.000000 |
| Shedyal 220kV | 11/01/2020 07:15:00 | 30 | 54425.0 | 8092.5 | 4930.0 | -3162.5 | 5.81 | 0.00 | 5.314 | 0.000000 |
| Shedyal 220kV | 11/01/2020 07:30:00 | 31 | 54425.0 | 7910.0 | 4850.0 | -3060.0 | 5.62 | 0.00 | 2.964 | 0.000000 |
| Shedyal 220kV | 11/01/2020 07:45:00 | 32 | 54425.0 | 7950.0 | 4190.0 | -3760.0 | 6.91 | 0.00 | 2.103 | 0.000000 |
| Shedyal 220kV | 11/01/2020 08:00:00 | 33 | 54425.0 | 7947.5 | 3500.0 | -4447.5 | 8.17 | 0.00 | -1.577 | 0.000000 |
| Shedyal 220kV | 11/01/2020 08:15:00 | 34 | 54425.0 | 7807.5 | 3720.0 | -4087.5 | 7.51 | 0.00 | 3.300 | 0.000000 |
| Shedyal 220kV | 11/01/2020 08:30:00 | 35 | 54425.0 | 7785.0 | 4740.0 | -3045.0 | 5.59 | 0.00 | 2.116 | 0.000000 |
| Shedyal 220kV | 11/01/2020 08:45:00 | 36 | 54425.0 | 7890.0 | 6450.0 | -1440.0 | 2.65 | 0.00 | 2.964 | 0.000000 |
| Shedyal 220kV | 11/01/2020 09:00:00 | 37 | 54425.0 | 7932.5 | 6970.0 | -962.5 | 1.77 | 0.00 | 6.681 | 0.000000 |
| Shedyal 220kV | 11/01/2020 09:15:00 | 38 | 54425.0 | 7810.0 | 7590.0 | -220.0 | 0.4 | 0.00 | 6.657 | 0.000000 |
| Shedyal 220kV | 11/01/2020 09:30:00 | 39 | 54425.0 | 7790.0 | 8320.0 | 530.0 | 0.97 | 0.00 | -6.322 | -273.258833 |
| Shedyal 220kV | 11/01/2020 09:45:00 | 40 | 54425.0 | 7775.0 | 8520.0 | 745.0 | 1.37 | 0.00 | -2.103 | -53.561776 |
| Shedyal 220kV | 11/01/2020 10:00:00 | 41 | 54425.0 | 7642.5 | 7760.0 | 117.5 | 0.22 | 0.00 | 0.526 | 0.000000 |
| Shedyal 220kV | 11/01/2020 10:15:00 | 42 | 54425.0 | 7645.0 | 7300.0 | -345.0 | 0.63 | 0.00 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shedyal 220kV | 11/01/2020 10:30:00 | 43 | 54425.0 | 7872.5 | 7020.0 | -852.5 | 1.57 | 0.00 | 0.000 | 0.000000 |
| Shedyal 220kV | 11/01/2020 10:45:00 | 44 | 54425.0 | 7832.5 | 6160.0 | -1672.5 | 3.07 | 0.00 | 0.000 | 0.000000 |
| Shedyal 220kV | 11/01/2020 11:00:00 | 45 | 54425.0 | 11725.0 | 5060.0 | -6665.0 | 12.25 | 0.00 | 0.000 | 0.000000 |
| Shedyal 220kV | 11/01/2020 11:15:00 | 46 | 54425.0 | 11850.0 | 3910.0 | -7940.0 | 14.59 | 0.00 | -2.964 | 0.000000 |
| Shedyal 220kV | 11/01/2020 11:30:00 | 47 | 54425.0 | 11675.0 | 2860.0 | -8815.0 | 16.2 | 325.63 | -4.307 | 0.000000 |
| Shedyal 220kV | 11/01/2020 11:45:00 | 48 | 54425.0 | 11675.0 | 2200.0 | -9475.0 | 17.41 | 655.63 | -3.300 | 0.000000 |
| Shedyal 220kV | 11/01/2020 12:00:00 | 49 | 54425.0 | 11847.5 | 1880.0 | -9967.5 | 18.31 | 901.88 | -0.526 | 0.000000 |
| Shedyal 220kV | 11/01/2020 12:15:00 | 50 | 54425.0 | 11652.5 | 1430.0 | -10222.5 | 18.78 | 1029.38 | -2.103 | 0.000000 |
| Shedyal 220kV | 11/01/2020 12:30:00 | 51 | 54425.0 | 11577.5 | 1150.0 | -10427.5 | 19.16 | 1131.88 | -2.629 | 0.000000 |
| Shedyal 220kV | 11/01/2020 12:45:00 | 52 | 54425.0 | 7647.5 | 1020.0 | -6627.5 | 12.18 | 0.00 | -2.629 | 0.000000 |
| Shedyal 220kV | 11/01/2020 13:00:00 | 53 | 54425.0 | 7720.0 | 750.0 | -6970.0 | 12.81 | 0.00 | 0.000 | 0.000000 |
| Shedyal 220kV | 11/01/2020 13:15:00 | 54 | 54425.0 | 7745.0 | 580.0 | -7165.0 | 13.16 | 0.00 | -2.103 | 0.000000 |
| Shedyal 220kV | 11/01/2020 13:30:00 | 55 | 54425.0 | 7575.0 | 460.0 | -7115.0 | 13.07 | 0.00 | 2.629 | 0.000000 |
| Shedyal 220kV | 11/01/2020 13:45:00 | 56 | 54425.0 | 7662.5 | 630.0 | -7032.5 | 12.92 | 0.00 | 2.103 | 0.000000 |
| Shedyal 220kV | 11/01/2020 14:00:00 | 57 | 54425.0 | 7620.0 | 650.0 | -6970.0 | 12.81 | 0.00 | 1.051 | 0.000000 |
| Shedyal 220kV | 11/01/2020 14:15:00 | 58 | 54425.0 | 7622.5 | 250.0 | -7372.5 | 13.55 | 0.00 | 3.300 | 0.000000 |
| Shedyal 220kV | 11/01/2020 14:30:00 | 59 | 54425.0 | 7697.5 | 500.0 | -7197.5 | 13.22 | 0.00 | -3.636 | 0.000000 |
| Shedyal 220kV | 11/01/2020 14:45:00 | 60 | 54425.0 | 7767.5 | 830.0 | -6937.5 | 12.75 | 0.00 | 4.979 | 0.000000 |
| Shedyal 220kV | 11/01/2020 15:00:00 | 61 | 54425.0 | 7625.0 | 890.0 | -6735.0 | 12.37 | 0.00 | -2.964 | 0.000000 |
| Shedyal 220kV | 11/01/2020 15:15:00 | 62 | 54425.0 | 7587.5 | 1160.0 | -6427.5 | 11.81 | 0.00 | -5.314 | 0.000000 |
| Shedyal 220kV | 11/01/2020 15:30:00 | 63 | 54425.0 | 7670.0 | 1030.0 | -6640.0 | 12.2 | 0.00 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shedyal 220kV | 11/01/2020 15:45:00 | 64 | 54425.0 | 7622.5 | 1380.0 | -6242.5 | 11.47 | 0.00 | 4.643 | 0.000000 |
| Shedyal 220kV | 11/01/2020 16:00:00 | 65 | 54425.0 | 7697.5 | 1590.0 | -6107.5 | 11.22 | 0.00 | 2.103 | 0.000000 |
| Shedyal 220kV | 11/01/2020 16:15:00 | 66 | 54425.0 | 7767.5 | 850.0 | -6917.5 | 12.71 | 0.00 | -2.964 | 0.000000 |
| Shedyal 220kV | 11/01/2020 16:30:00 | 67 | 54425.0 | 7690.0 | 1300.0 | -6390.0 | 11.74 | 0.00 | -2.103 | 0.000000 |
| Shedyal 220kV | 11/01/2020 16:45:00 | 68 | 54425.0 | 7575.0 | 2300.0 | -5275.0 | 9.69 | 0.00 | 3.972 | 0.000000 |
| Shedyal 220kV | 11/01/2020 17:00:00 | 69 | 54425.0 | 7587.5 | 2430.0 | -5157.5 | 9.48 | 0.00 | -1.577 | 0.000000 |
| Shedyal 220kV | 11/01/2020 17:15:00 | 70 | 54425.0 | 7670.0 | 3200.0 | -4470.0 | 8.21 | 0.00 | -1.577 | 0.000000 |
| Shedyal 220kV | 11/01/2020 17:30:00 | 71 | 54425.0 | 7622.5 | 4090.0 | -3532.5 | 6.49 | 0.00 | 1.051 | 45.072385 |
| Shedyal 220kV | 11/01/2020 17:45:00 | 72 | 54425.0 | 7625.0 | 4810.0 | -2815.0 | 5.17 | 0.00 | -2.103 | 0.000000 |
| Shedyal 220kV | 11/01/2020 18:00:00 | 73 | 54425.0 | 7660.0 | 5090.0 | -2570.0 | 4.72 | 0.00 | -2.964 | 0.000000 |
| Shedyal 220kV | 11/01/2020 18:15:00 | 74 | 54425.0 | 7645.0 | 5020.0 | -2625.0 | 4.82 | 0.00 | -2.629 | 0.000000 |
| Shedyal 220kV | 11/01/2020 18:30:00 | 75 | 54425.0 | 7647.5 | 4870.0 | -2777.5 | 5.1 | 0.00 | 2.103 | 97.636052 |
| Shedyal 220kV | 11/01/2020 18:45:00 | 76 | 54425.0 | 7647.5 | 4600.0 | -3047.5 | 5.6 | 0.00 | 0.526 | 313.669525 |
| Shedyal 220kV | 11/01/2020 19:00:00 | 77 | 54425.0 | 7770.0 | 4480.0 | -3290.0 | 6.05 | 0.00 | 2.103 | 1344.940668 |
| Shedyal 220kV | 11/01/2020 19:15:00 | 78 | 54425.0 | 7720.0 | 4170.0 | -3550.0 | 6.52 | 0.00 | -1.052 | 0.000000 |
| Shedyal 220kV | 11/01/2020 19:30:00 | 79 | 54425.0 | 7647.5 | 4520.0 | -3127.5 | 5.75 | 0.00 | 2.964 | 0.000000 |
| Shedyal 220kV | 11/01/2020 19:45:00 | 80 | 54425.0 | 7720.0 | 4520.0 | -3200.0 | 5.88 | 0.00 | 2.629 | 2380.278095 |
| Shedyal 220kV | 11/01/2020 20:00:00 | 81 | 54425.0 | 7745.0 | 3740.0 | -4005.0 | 7.36 | 0.00 | 2.629 | 651.336009 |
| Shedyal 220kV | 11/01/2020 20:15:00 | 82 | 54425.0 | 7575.0 | 3370.0 | -4205.0 | 7.73 | 0.00 | 4.307 | 2255.037774 |
| Shedyal 220kV | 11/01/2020 20:30:00 | 83 | 54425.0 | 7662.5 | 3430.0 | -4232.5 | 7.78 | 0.00 | 2.964 | 5819.734544 |
| Shedyal 220kV | 11/01/2020 20:45:00 | 84 | 54425.0 | 7620.0 | 2470.0 | -5150.0 | 9.46 | 0.00 | 2.629 | 6078.559705 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shedyal 220kV | 11/01/2020 21:00:00 | 85 | 54425.0 | 7647.5 | 1140.0 | -6507.5 | 11.96 | 0.00 | 3.636 | 1394.999965 |
| Shedyal 220kV | 11/01/2020 21:15:00 | 86 | 54425.0 | 7720.0 | 820.0 | -6900.0 | 12.68 | 0.00 | -1.577 | 0.000000 |
| Shedyal 220kV | 11/01/2020 21:30:00 | 87 | 54425.0 | 7770.0 | 480.0 | -7290.0 | 13.39 | 0.00 | -1.577 | 0.000000 |
| Shedyal 220kV | 11/01/2020 21:45:00 | 88 | 54425.0 | 7600.0 | 130.0 | -7470.0 | 13.73 | 0.00 | -1.052 | 0.000000 |
| Shedyal 220kV | 11/01/2020 22:00:00 | 89 | 54425.0 | 7637.5 | 10.0 | -7627.5 | 14.01 | 0.00 | -5.650 | 0.000000 |
| Shedyal 220kV | 11/01/2020 22:15:00 | 90 | 54425.0 | 7667.5 | 50.0 | -7617.5 | 14.0 | 0.00 | -5.650 | 0.000000 |
| Shedyal 220kV | 11/01/2020 22:30:00 | 91 | 54425.0 | 7647.5 | 220.0 | -7427.5 | 13.65 | 0.00 | 4.979 | 3581.218237 |
| Shedyal 220kV | 11/01/2020 22:45:00 | 92 | 54425.0 | 7647.5 | 240.0 | -7407.5 | 13.61 | 0.00 | 2.964 | 4651.783106 |
| Shedyal 220kV | 11/01/2020 23:00:00 | 93 | 54425.0 | 7770.0 | 150.0 | -7620.0 | 14.0 | 0.00 | 1.577 | 1191.522206 |
| Shedyal 220kV | 11/01/2020 23:15:00 | 94 | 54425.0 | 7665.0 | 970.0 | -6695.0 | 12.3 | 0.00 | 1.074 | 856.288478 |
| Shedyal 220kV | 11/01/2020 23:30:00 | 95 | 54425.0 | 7625.0 | 2560.0 | -5065.0 | 9.31 | 0.00 | 2.113 | 2919.913870 |
| Shedyal 220kV | 11/01/2020 23:45:00 | 96 | 54425.0 | 7660.0 | 4020.0 | -3640.0 | 6.69 | 0.00 | 2.162 | 2705.263813 |
| Shedyal 220kV | 12/01/2020 00:00:00 | 1 | 54425.0 | 7992.5 | 5070.0 | -2922.5 | 5.37 | 0.00 | 3.022 | 1797.535785 |
| Shedyal 220kV | 12/01/2020 00:15:00 | 2 | 54425.0 | 7950.0 | 7510.0 | -440.0 | 0.81 | 0.00 | -2.152 | 0.000000 |
| Shedyal 220kV | 12/01/2020 00:30:00 | 3 | 54425.0 | 7950.0 | 9250.0 | 1300.0 | 2.39 | 0.00 | -2.152 | 0.000000 |
| Shedyal 220kV | 12/01/2020 00:45:00 | 4 | 54425.0 | 7975.0 | 10630.0 | 2655.0 | 4.88 | 0.00 | -3.022 | 0.000000 |
| Shedyal 220kV | 12/01/2020 01:00:00 | 5 | 54425.0 | 7867.5 | 11850.0 | 3982.5 | 7.32 | 0.00 | -0.629 | 0.000000 |
| Shedyal 220kV | 12/01/2020 01:15:00 | 6 | 54425.0 | 7925.0 | 13450.0 | 5525.0 | 10.15 | 0.00 | -3.317 | 0.000000 |
| Shedyal 220kV | 12/01/2020 01:30:00 | 7 | 54425.0 | 7972.5 | 15070.0 | 7097.5 | 13.04 | 0.00 | -3.354 | 0.000000 |
| Shedyal 220kV | 12/01/2020 01:45:00 | 8 | 54425.0 | 7925.0 | 15600.0 | 7675.0 | 14.1 | 0.00 | -3.022 | 0.000000 |
| Shedyal 220kV | 12/01/2020 02:00:00 | 9 | 54425.0 | 7875.0 | 13500.0 | 5625.0 | 10.34 | 0.00 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shedyal 220kV | 12/01/2020 02:15:00 | 10 | 54425.0 | 7950.0 | 10610.0 | 2660.0 | 4.89 | 0.00 | -3.022 | 0.000000 |
| Shedyal 220kV | 12/01/2020 02:30:00 | 11 | 54425.0 | 9567.5 | 9030.0 | -537.5 | 0.99 | 0.00 | -2.690 | 0.000000 |
| Shedyal 220kV | 12/01/2020 02:45:00 | 12 | 54425.0 | 9460.0 | 8330.0 | -1130.0 | 2.08 | 0.00 | -3.022 | 0.000000 |
| Shedyal 220kV | 12/01/2020 03:00:00 | 13 | 54425.0 | 9337.5 | 7610.0 | -1727.5 | 3.17 | 0.00 | 3.354 | 817.948883 |
| Shedyal 220kV | 12/01/2020 03:15:00 | 14 | 54425.0 | 9442.5 | 6740.0 | -2702.5 | 4.97 | 0.00 | 3.022 | 1569.247170 |
| Shedyal 220kV | 12/01/2020 03:30:00 | 15 | 54425.0 | 9427.5 | 5830.0 | -3597.5 | 6.61 | 0.00 | 3.354 | 774.792168 |
| Shedyal 220kV | 12/01/2020 03:45:00 | 16 | 54425.0 | 9415.0 | 5960.0 | -3455.0 | 6.35 | 0.00 | 2.152 | 0.000000 |
| Shedyal 220kV | 12/01/2020 04:00:00 | 17 | 54425.0 | 9345.0 | 6210.0 | -3135.0 | 5.76 | 0.00 | -2.152 | 0.000000 |
| Shedyal 220kV | 12/01/2020 04:15:00 | 18 | 54425.0 | 9145.0 | 6690.0 | -2455.0 | 4.51 | 0.00 | -3.022 | 0.000000 |
| Shedyal 220kV | 12/01/2020 04:30:00 | 19 | 54425.0 | 9082.5 | 6210.0 | -2872.5 | 5.28 | 0.00 | 1.076 | 0.000000 |
| Shedyal 220kV | 12/01/2020 04:45:00 | 20 | 54425.0 | 8970.0 | 5870.0 | -3100.0 | 5.7 | 0.00 | -3.022 | 0.000000 |
| Shedyal 220kV | 12/01/2020 05:00:00 | 21 | 54425.0 | 8532.5 | 5820.0 | -2712.5 | 4.98 | 0.00 | 3.686 | 0.000000 |
| Shedyal 220kV | 12/01/2020 05:15:00 | 22 | 54425.0 | 8385.0 | 5770.0 | -2615.0 | 4.8 | 0.00 | 3.686 | 2885.052513 |
| Shedyal 220kV | 12/01/2020 05:30:00 | 23 | 54425.0 | 8295.0 | 6070.0 | -2225.0 | 4.09 | 0.00 | -1.614 | 0.000000 |
| Shedyal 220kV | 12/01/2020 05:45:00 | 24 | 54425.0 | 8347.5 | 6220.0 | -2127.5 | 3.91 | 0.00 | -0.496 | 0.000000 |
| Shedyal 220kV | 12/01/2020 06:00:00 | 25 | 54425.0 | 8072.5 | 6390.0 | -1682.5 | 3.09 | 0.00 | 0.000 | 0.000000 |
| Shedyal 220kV | 12/01/2020 06:15:00 | 26 | 54425.0 | 8105.0 | 6570.0 | -1535.0 | 2.82 | 0.00 | -0.430 | 0.000000 |
| Shedyal 220kV | 12/01/2020 06:30:00 | 27 | 54425.0 | 8147.5 | 6270.0 | -1877.5 | 3.45 | 0.00 | -2.152 | 0.000000 |
| Shedyal 220kV | 12/01/2020 06:45:00 | 28 | 54425.0 | 8065.0 | 6240.0 | -1825.0 | 3.35 | 0.00 | 4.681 | 0.000000 |
| Shedyal 220kV | 12/01/2020 07:00:00 | 29 | 54425.0 | 7875.0 | 6080.0 | -1795.0 | 3.3 | 0.00 | 1.614 | 0.000000 |
| Shedyal 220kV | 12/01/2020 07:15:00 | 30 | 54425.0 | 7950.0 | 6270.0 | -1680.0 | 3.09 | 0.00 | 3.838 | 1390.462788 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shedyal 220kV | 12/01/2020 07:30:00 | 31 | 54425.0 | 7900.0 | 6140.0 | -1760.0 | 3.23 | 0.00 | 3.022 | 0.000000 |
| Shedyal 220kV | 12/01/2020 07:45:00 | 32 | 54425.0 | 7950.0 | 5780.0 | -2170.0 | 3.99 | 0.00 | 2.690 | 0.000000 |
| Shedyal 220kV | 12/01/2020 08:00:00 | 33 | 54425.0 | 7947.5 | 4840.0 | -3107.5 | 5.71 | 0.00 | -2.690 | 0.000000 |
| Shedyal 220kV | 12/01/2020 08:15:00 | 34 | 54425.0 | 7807.5 | 4870.0 | -2937.5 | 5.4 | 0.00 | -4.018 | 0.000000 |
| Shedyal 220kV | 12/01/2020 08:30:00 | 35 | 54425.0 | 7785.0 | 5700.0 | -2085.0 | 3.83 | 0.00 | -2.690 | 0.000000 |
| Shedyal 220kV | 12/01/2020 08:45:00 | 36 | 54425.0 | 7890.0 | 6910.0 | -980.0 | 1.8 | 0.00 | 3.022 | 0.000000 |
| Shedyal 220kV | 12/01/2020 09:00:00 | 37 | 54425.0 | 7932.5 | 8400.0 | 467.5 | 0.86 | 0.00 | -3.354 | -60.109890 |
| Shedyal 220kV | 12/01/2020 09:15:00 | 38 | 54425.0 | 7810.0 | 10500.0 | 2690.0 | 4.94 | 0.00 | -4.350 | -97.269873 |
| Shedyal 220kV | 12/01/2020 09:30:00 | 39 | 54425.0 | 7790.0 | 12240.0 | 4450.0 | 8.18 | 0.00 | 2.152 | 0.000000 |
| Shedyal 220kV | 12/01/2020 09:45:00 | 40 | 54425.0 | 7775.0 | 14830.0 | 7055.0 | 12.96 | 0.00 | -2.690 | -398.517402 |
| Shedyal 220kV | 12/01/2020 10:00:00 | 41 | 54425.0 | 7642.5 | 15440.0 | 7797.5 | 14.33 | 0.00 | -3.354 | -288.459040 |
| Shedyal 220kV | 12/01/2020 10:15:00 | 42 | 54425.0 | 7645.0 | 12470.0 | 4825.0 | 8.87 | 0.00 | -3.686 | -254.987659 |
| Shedyal 220kV | 12/01/2020 10:30:00 | 43 | 54425.0 | 7872.5 | 11200.0 | 3327.5 | 6.11 | 0.00 | -1.614 | -111.789163 |
| Shedyal 220kV | 12/01/2020 10:45:00 | 44 | 54425.0 | 7832.5 | 8960.0 | 1127.5 | 2.07 | 0.00 | 3.686 | 0.000000 |
| Shedyal 220kV | 12/01/2020 11:00:00 | 45 | 54425.0 | 7912.5 | 7020.0 | -892.5 | 1.64 | 0.00 | -3.354 | 0.000000 |
| Shedyal 220kV | 12/01/2020 11:15:00 | 46 | 54425.0 | 7892.5 | 5390.0 | -2502.5 | 4.6 | 0.00 | -5.450 | 0.000000 |
| Shedyal 220kV | 12/01/2020 11:30:00 | 47 | 54425.0 | 7782.5 | 4020.0 | -3762.5 | 6.91 | 0.00 | -6.009 | 0.000000 |
| Shedyal 220kV | 12/01/2020 11:45:00 | 48 | 54425.0 | 7787.5 | 3430.0 | -4357.5 | 8.01 | 0.00 | 2.690 | 0.000000 |
| Shedyal 220kV | 12/01/2020 12:00:00 | 49 | 54425.0 | 7787.5 | 2660.0 | -5127.5 | 9.42 | 0.00 | 3.686 | 0.000000 |
| Shedyal 220kV | 12/01/2020 12:15:00 | 50 | 54425.0 | 7830.0 | 2300.0 | -5530.0 | 10.16 | 0.00 | -5.345 | 0.000000 |
| Shedyal 220kV | 12/01/2020 12:30:00 | 51 | 54425.0 | 7827.5 | 2310.0 | -5517.5 | 10.14 | 0.00 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shedyal 220kV | 12/01/2020 12:45:00 | 52 | 54425.0 | 7925.0 | 2040.0 | -5885.0 | 10.81 | 0.00 | -5.345 | 0.000000 |
| Shedyal 220kV | 12/01/2020 13:00:00 | 53 | 54425.0 | 7900.0 | 1310.0 | -6590.0 | 12.11 | 0.00 | -3.999 | 0.000000 |
| Shedyal 220kV | 12/01/2020 13:15:00 | 54 | 54425.0 | 7950.0 | 1600.0 | -6350.0 | 11.67 | 0.00 | -4.350 | 0.000000 |
| Shedyal 220kV | 12/01/2020 13:30:00 | 55 | 54425.0 | 7782.5 | 1240.0 | -6542.5 | 12.02 | 0.00 | -1.076 | 0.000000 |
| Shedyal 220kV | 12/01/2020 13:45:00 | 56 | 54425.0 | 7835.0 | 1230.0 | -6605.0 | 12.14 | 0.00 | -2.690 | 0.000000 |
| Shedyal 220kV | 12/01/2020 14:00:00 | 57 | 54425.0 | 7887.5 | 1070.0 | -6817.5 | 12.53 | 0.00 | -0.538 | 0.000000 |
| Shedyal 220kV | 12/01/2020 14:15:00 | 58 | 54425.0 | 7957.5 | 880.0 | -7077.5 | 13.0 | 0.00 | -2.152 | 0.000000 |
| Shedyal 220kV | 12/01/2020 14:30:00 | 59 | 54425.0 | 7705.0 | 830.0 | -6875.0 | 12.63 | 0.00 | -2.690 | 0.000000 |
| Shedyal 220kV | 12/01/2020 14:45:00 | 60 | 54425.0 | 7640.0 | 650.0 | -6990.0 | 12.84 | 0.00 | -1.076 | 0.000000 |
| Shedyal 220kV | 12/01/2020 15:00:00 | 61 | 54425.0 | 7827.5 | 340.0 | -7487.5 | 13.76 | 0.00 | 0.000 | 0.000000 |
| Shedyal 220kV | 12/01/2020 15:15:00 | 62 | 54425.0 | 7852.5 | 400.0 | -7452.5 | 13.69 | 0.00 | -2.690 | 0.000000 |
| Shedyal 220kV | 12/01/2020 15:30:00 | 63 | 54425.0 | 7837.5 | 450.0 | -7387.5 | 13.57 | 0.00 | -3.022 | 0.000000 |
| Shedyal 220kV | 12/01/2020 15:45:00 | 64 | 54425.0 | 7992.5 | 170.0 | -7822.5 | 14.37 | 0.00 | -3.686 | 0.000000 |
| Shedyal 220kV | 12/01/2020 16:00:00 | 65 | 54425.0 | 7950.0 | 130.0 | -7820.0 | 14.37 | 0.00 | -3.737 | 0.000000 |
| Shedyal 220kV | 12/01/2020 16:15:00 | 66 | 54425.0 | 7950.0 | 0.0 | -7950.0 | 14.61 | 0.00 | -5.786 | 0.000000 |
| Shedyal 220kV | 12/01/2020 16:30:00 | 67 | 54425.0 | 7975.0 | 20.0 | -7955.0 | 14.62 | 0.00 | -4.350 | 0.000000 |
| Shedyal 220kV | 12/01/2020 16:45:00 | 68 | 54425.0 | 7867.5 | 70.0 | -7797.5 | 14.33 | 0.00 | -1.614 | 0.000000 |
| Shedyal 220kV | 12/01/2020 17:00:00 | 69 | 54425.0 | 7925.0 | 10.0 | -7915.0 | 14.54 | 0.00 | 0.000 | 0.000000 |
| Shedyal 220kV | 12/01/2020 17:15:00 | 70 | 54425.0 | 7972.5 | 0.0 | -7972.5 | 14.65 | 0.00 | 2.690 | 2066.900527 |
| Shedyal 220kV | 12/01/2020 17:30:00 | 71 | 54425.0 | 7925.0 | 0.0 | -7925.0 | 14.56 | 0.00 | -3.022 | 0.000000 |
| Shedyal 220kV | 12/01/2020 17:45:00 | 72 | 54425.0 | 7875.0 | 0.0 | -7875.0 | 14.47 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shedyal 220kV | 12/01/2020 18:00:00 | 73 | 54425.0 | 7950.0 | 0.0 | -7950.0 | 14.61 | 0.00 | -0.538 | 0.000000 |
| Shedyal 220kV | 12/01/2020 18:15:00 | 74 | 54425.0 | 7925.0 | 0.0 | -7925.0 | 14.56 | 0.00 | -4.350 | 0.000000 |
| Shedyal 220kV | 12/01/2020 18:30:00 | 75 | 54425.0 | 7925.0 | 0.0 | -7925.0 | 14.56 | 0.00 | 2.690 | 1362.823801 |
| Shedyal 220kV | 12/01/2020 18:45:00 | 76 | 54425.0 | 7830.0 | 0.0 | -7830.0 | 14.39 | 0.00 | 3.022 | 8674.592589 |
| Shedyal 220kV | 12/01/2020 19:00:00 | 77 | 54425.0 | 7835.0 | 0.0 | -7835.0 | 14.4 | 0.00 | 3.686 | 2788.139662 |
| Shedyal 220kV | 12/01/2020 19:15:00 | 78 | 54425.0 | 7815.0 | 10.0 | -7805.0 | 14.34 | 0.00 | 2.690 | 164.865449 |
| Shedyal 220kV | 12/01/2020 19:30:00 | 79 | 54425.0 | 7907.5 | 0.0 | -7907.5 | 14.53 | 0.00 | -3.022 | 0.000000 |
| Shedyal 220kV | 12/01/2020 19:45:00 | 80 | 54425.0 | 7835.0 | 0.0 | -7835.0 | 14.4 | 0.00 | -1.781 | 0.000000 |
| Shedyal 220kV | 12/01/2020 20:00:00 | 81 | 54425.0 | 7742.5 | 0.0 | -7742.5 | 14.23 | 0.00 | -3.021 | 0.000000 |
| Shedyal 220kV | 12/01/2020 20:15:00 | 82 | 54425.0 | 7775.0 | 0.0 | -7775.0 | 14.29 | 0.00 | -4.018 | 0.000000 |
| Shedyal 220kV | 12/01/2020 20:30:00 | 83 | 54425.0 | 7770.0 | 0.0 | -7770.0 | 14.28 | 0.00 | -3.354 | 0.000000 |
| Shedyal 220kV | 12/01/2020 20:45:00 | 84 | 54425.0 | 7772.5 | 10.0 | -7762.5 | 14.26 | 0.00 | -1.614 | 0.000000 |
| Shedyal 220kV | 12/01/2020 21:00:00 | 85 | 54425.0 | 7892.5 | 0.0 | -7892.5 | 14.5 | 0.00 | -4.350 | 0.000000 |
| Shedyal 220kV | 12/01/2020 21:15:00 | 86 | 54425.0 | 7875.0 | 40.0 | -7835.0 | 14.4 | 0.00 | -3.686 | 0.000000 |
| Shedyal 220kV | 12/01/2020 21:30:00 | 87 | 54425.0 | 7975.0 | 120.0 | -7855.0 | 14.43 | 0.00 | -1.614 | 0.000000 |
| Shedyal 220kV | 12/01/2020 21:45:00 | 88 | 54425.0 | 7900.0 | 360.0 | -7540.0 | 13.85 | 0.00 | 0.000 | 0.000000 |
| Shedyal 220kV | 12/01/2020 22:00:00 | 89 | 54425.0 | 7925.0 | 1030.0 | -6895.0 | 12.67 | 0.00 | -3.354 | 0.000000 |
| Shedyal 220kV | 12/01/2020 22:15:00 | 90 | 54425.0 | 7947.5 | 1850.0 | -6097.5 | 11.2 | 0.00 | 4.350 | 7444.747455 |
| Shedyal 220kV | 12/01/2020 22:30:00 | 91 | 54425.0 | 6950.0 | 2260.0 | -4690.0 | 8.62 | 0.00 | 5.215 | 10799.366053 |
| Shedyal 220kV | 12/01/2020 22:45:00 | 92 | 54425.0 | 6875.0 | 2830.0 | -4045.0 | 7.43 | 0.00 | 3.022 | 911.782143 |
| Shedyal 220kV | 12/01/2020 23:00:00 | 93 | 54425.0 | 6832.5 | 3470.0 | -3362.5 | 6.18 | 0.00 | 3.022 | 1660.142185 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shedyal 220kV | 12/01/2020 23:15:00 | 94 | 54425.0 | 6810.0 | 3880.0 | -2930.0 | 5.38 | 0.00 | 2.152 | 1440.410318 |
| Shedyal 220kV | 12/01/2020 23:30:00 | 95 | 54425.0 | 6865.0 | 3930.0 | -2935.0 | 5.39 | 0.00 | 2.152 | 830.308687 |
| Shedyal 220kV | 12/01/2020 23:45:00 | 96 | 54425.0 | 6947.5 | 3920.0 | -3027.5 | 5.56 | 0.00 | 2.152 | 984.084690 |
| Shembal Pimpri 33kV | 06/01/2020 00:00:00 | 1 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 2.903 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 00:15:00 | 2 | 2625.0 | 305.0 | 0.0 | -305.0 | 11.62 | 0.00 | 0.000 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 00:30:00 | 3 | 2625.0 | 317.5 | 0.0 | -317.5 | 12.1 | 0.00 | 0.000 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 00:45:00 | 4 | 2625.0 | 335.0 | 0.0 | -335.0 | 12.76 | 0.00 | -0.984 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 01:00:00 | 5 | 2625.0 | 337.5 | 0.0 | -337.5 | 12.86 | 0.00 | -3.541 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 01:15:00 | 6 | 2625.0 | 345.0 | 0.0 | -345.0 | 13.14 | 0.00 | 3.222 | 8.282681 |
| Shembal Pimpri 33kV | 06/01/2020 01:30:00 | 7 | 2625.0 | 327.5 | 0.0 | -327.5 | 12.48 | 0.00 | 3.541 | 88.386459 |
| Shembal Pimpri 33kV | 06/01/2020 01:45:00 | 8 | 2625.0 | 335.0 | 0.0 | -335.0 | 12.76 | 0.00 | 2.352 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 02:00:00 | 9 | 2625.0 | 345.0 | 0.0 | -345.0 | 13.14 | 0.00 | 1.747 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 02:15:00 | 10 | 2625.0 | 360.0 | 0.0 | -360.0 | 13.71 | 0.00 | 0.581 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 02:30:00 | 11 | 2625.0 | 372.5 | 0.0 | -372.5 | 14.19 | 0.00 | -2.323 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 02:45:00 | 12 | 2625.0 | 357.5 | 0.0 | -357.5 | 13.62 | 0.00 | 2.323 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 03:00:00 | 13 | 2625.0 | 365.0 | 0.0 | -365.0 | 13.9 | 0.00 | 2.323 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 03:15:00 | 14 | 2625.0 | 342.5 | 0.0 | -342.5 | 13.05 | 0.00 | -1.742 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 03:30:00 | 15 | 2625.0 | 327.5 | 0.0 | -327.5 | 12.48 | 0.00 | 3.222 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 03:45:00 | 16 | 2625.0 | 315.0 | 0.0 | -315.0 | 12.0 | 0.00 | 3.541 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 04:00:00 | 17 | 2625.0 | 305.0 | 0.0 | -305.0 | 11.62 | 0.00 | 4.496 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 04:15:00 | 18 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shembal Pimpri 33kV | 06/01/2020 04:30:00 | 19 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | 3.859 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 04:45:00 | 20 | 2625.0 | 275.0 | 0.0 | -275.0 | 10.48 | 0.00 | 4.815 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 05:00:00 | 21 | 2625.0 | 300.0 | 0.0 | -300.0 | 11.43 | 0.00 | 3.859 | 131.574279 |
| Shembal Pimpri 33kV | 06/01/2020 05:15:00 | 22 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | 6.407 | 235.555834 |
| Shembal Pimpri 33kV | 06/01/2020 05:30:00 | 23 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 6.496 | 342.859411 |
| Shembal Pimpri 33kV | 06/01/2020 05:45:00 | 24 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 7.492 | 185.284382 |
| Shembal Pimpri 33kV | 06/01/2020 06:00:00 | 25 | 2625.0 | 275.0 | 0.0 | -275.0 | 10.48 | 0.00 | -5.452 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 06:15:00 | 26 | 2625.0 | 260.0 | 0.0 | -260.0 | 9.9 | 0.00 | -6.089 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 06:30:00 | 27 | 2625.0 | 255.0 | 0.0 | -255.0 | 9.71 | 0.00 | -7.044 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 06:45:00 | 28 | 2625.0 | 242.5 | 0.0 | -242.5 | 9.24 | 0.00 | 7.682 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 07:00:00 | 29 | 2625.0 | 252.5 | 0.0 | -252.5 | 9.62 | 0.00 | -3.859 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 07:15:00 | 30 | 2625.0 | 265.0 | 0.0 | -265.0 | 10.1 | 0.00 | 4.815 | 131.577310 |
| Shembal Pimpri 33kV | 06/01/2020 07:30:00 | 31 | 2625.0 | 277.5 | 0.0 | -277.5 | 10.57 | 0.00 | 4.178 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 07:45:00 | 32 | 2625.0 | 287.5 | 0.0 | -287.5 | 10.95 | 0.00 | -3.540 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 08:00:00 | 33 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | -3.859 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 08:15:00 | 34 | 2625.0 | 325.0 | 0.0 | -325.0 | 12.38 | 0.00 | -5.452 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 08:30:00 | 35 | 2625.0 | 350.0 | 0.0 | -350.0 | 13.33 | 0.00 | 4.178 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 08:45:00 | 36 | 2625.0 | 327.5 | 0.0 | -327.5 | 12.48 | 0.00 | -3.859 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 09:00:00 | 37 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -6.407 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 09:15:00 | 38 | 2625.0 | 305.0 | 0.0 | -305.0 | 11.62 | 0.00 | -8.000 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 09:30:00 | 39 | 2625.0 | 317.5 | 0.0 | -317.5 | 12.1 | 0.00 | -5.770 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shembal Pimpri 33kV | 06/01/2020 09:45:00 | 40 | 2625.0 | 335.0 | 0.0 | -335.0 | 12.76 | 0.00 | 3.222 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 10:00:00 | 41 | 2625.0 | 337.5 | 0.0 | -337.5 | 12.86 | 0.00 | -2.903 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 10:15:00 | 42 | 2625.0 | 345.0 | 0.0 | -345.0 | 13.14 | 0.00 | -3.222 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 10:30:00 | 43 | 2625.0 | 327.5 | 0.0 | -327.5 | 12.48 | 0.00 | 4.815 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 10:45:00 | 44 | 2625.0 | 335.0 | 0.0 | -335.0 | 12.76 | 0.00 | 4.496 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 11:00:00 | 45 | 2625.0 | 345.0 | 0.0 | -345.0 | 13.14 | 0.00 | 16.000 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 11:15:00 | 46 | 2625.0 | 360.0 | 0.0 | -360.0 | 13.71 | 0.00 | 5.133 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 11:30:00 | 47 | 2625.0 | 372.5 | 0.0 | -372.5 | 14.19 | 0.00 | 1.182 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 11:45:00 | 48 | 2625.0 | 357.5 | 0.0 | -357.5 | 13.62 | 0.00 | 6.308 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 12:00:00 | 49 | 2625.0 | 325.0 | 0.0 | -325.0 | 12.38 | 0.00 | 6.598 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 12:15:00 | 50 | 2625.0 | 322.5 | 0.0 | -322.5 | 12.29 | 0.00 | 5.431 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 12:30:00 | 51 | 2625.0 | 352.5 | 0.0 | -352.5 | 13.43 | 0.00 | 3.540 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 12:45:00 | 52 | 2625.0 | 340.0 | 0.0 | -340.0 | 12.95 | 0.00 | -2.903 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 13:00:00 | 53 | 2625.0 | 330.0 | 0.0 | -330.0 | 12.57 | 0.00 | -1.161 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 13:15:00 | 54 | 2625.0 | 317.5 | 0.0 | -317.5 | 12.1 | 0.00 | 3.859 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 13:30:00 | 55 | 2625.0 | 310.0 | 0.0 | -310.0 | 11.81 | 0.00 | -6.407 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 13:45:00 | 56 | 2625.0 | 300.0 | 0.0 | -300.0 | 11.43 | 0.00 | 5.452 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 14:00:00 | 57 | 2625.0 | 300.0 | 0.0 | -300.0 | 11.43 | 0.00 | 5.452 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 14:15:00 | 58 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | 16.000 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 14:30:00 | 59 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 6.035 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 14:45:00 | 60 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shembal Pimpri 33kV | 06/01/2020 15:00:00 | 61 | 2625.0 | 275.0 | 0.0 | -275.0 | 10.48 | 0.00 | 3.367 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 15:15:00 | 62 | 2625.0 | 327.5 | 0.0 | -327.5 | 12.48 | 0.00 | 3.904 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 15:30:00 | 63 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 4.482 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 15:45:00 | 64 | 2625.0 | 352.5 | 0.0 | -352.5 | 13.43 | 0.00 | 4.225 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 16:00:00 | 65 | 2625.0 | 340.0 | 0.0 | -340.0 | 12.95 | 0.00 | 2.895 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 16:15:00 | 66 | 2625.0 | 330.0 | 0.0 | -330.0 | 12.57 | 0.00 | 6.089 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 16:30:00 | 67 | 2625.0 | 317.5 | 0.0 | -317.5 | 12.1 | 0.00 | -8.000 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 16:45:00 | 68 | 2625.0 | 310.0 | 0.0 | -310.0 | 11.81 | 0.00 | -4.178 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 17:00:00 | 69 | 2625.0 | 300.0 | 0.0 | -300.0 | 11.43 | 0.00 | 1.742 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 17:15:00 | 70 | 2625.0 | 300.0 | 0.0 | -300.0 | 11.43 | 0.00 | 2.903 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 17:30:00 | 71 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | -4.178 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 17:45:00 | 72 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -2.323 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 18:00:00 | 73 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -2.903 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 18:15:00 | 74 | 2625.0 | 275.0 | 0.0 | -275.0 | 10.48 | 0.00 | 1.161 | 71.516372 |
| Shembal Pimpri 33kV | 06/01/2020 18:30:00 | 75 | 2625.0 | 352.5 | 0.0 | -352.5 | 13.43 | 0.00 | 2.903 | 300.236087 |
| Shembal Pimpri 33kV | 06/01/2020 18:45:00 | 76 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 2.903 | 7.409983 |
| Shembal Pimpri 33kV | 06/01/2020 19:00:00 | 77 | 2625.0 | 352.5 | 0.0 | -352.5 | 13.43 | 0.00 | -1.161 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 19:15:00 | 78 | 2625.0 | 340.0 | 0.0 | -340.0 | 12.95 | 0.00 | -4.178 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 19:30:00 | 79 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | -2.323 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 19:45:00 | 80 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | -4.178 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 20:00:00 | 81 | 2625.0 | 372.5 | 0.0 | -372.5 | 14.19 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shembal Pimpri 33kV | 06/01/2020 20:15:00 | 82 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | -5.770 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 20:30:00 | 83 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 5.770 | 50.073040 |
| Shembal Pimpri 33kV | 06/01/2020 20:45:00 | 84 | 2625.0 | 380.0 | 0.0 | -380.0 | 14.48 | 0.00 | 4.178 | 157.150258 |
| Shembal Pimpri 33kV | 06/01/2020 21:00:00 | 85 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 3.222 | 80.400701 |
| Shembal Pimpri 33kV | 06/01/2020 21:15:00 | 86 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | -1.742 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 21:30:00 | 87 | 2625.0 | 380.0 | 0.0 | -380.0 | 14.48 | 0.00 | 0.000 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 21:45:00 | 88 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | 1.161 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 22:00:00 | 89 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | 4.815 | 219.572651 |
| Shembal Pimpri 33kV | 06/01/2020 22:15:00 | 90 | 2625.0 | 372.5 | 0.0 | -372.5 | 14.19 | 0.00 | 3.859 | 225.027662 |
| Shembal Pimpri 33kV | 06/01/2020 22:30:00 | 91 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 1.742 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 22:45:00 | 92 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | -2.323 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 23:00:00 | 93 | 2625.0 | 372.5 | 0.0 | -372.5 | 14.19 | 0.00 | -2.903 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 23:15:00 | 94 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 2.323 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 23:30:00 | 95 | 2625.0 | 372.5 | 0.0 | -372.5 | 14.19 | 0.00 | -3.222 | 0.000000 |
| Shembal Pimpri 33kV | 06/01/2020 23:45:00 | 96 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 2.323 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 00:00:00 | 1 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -0.549 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 00:15:00 | 2 | 2625.0 | 305.0 | 0.0 | -305.0 | 11.62 | 0.00 | -1.647 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 00:30:00 | 3 | 2625.0 | 317.5 | 0.0 | -317.5 | 12.1 | 0.00 | -3.073 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 00:45:00 | 4 | 2625.0 | 335.0 | 0.0 | -335.0 | 12.76 | 0.00 | -2.744 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 01:00:00 | 5 | 2625.0 | 337.5 | 0.0 | -337.5 | 12.86 | 0.00 | -4.058 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 01:15:00 | 6 | 2625.0 | 345.0 | 0.0 | -345.0 | 13.14 | 0.00 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shembal Pimpri 33kV | 07/01/2020 01:30:00 | 7 | 2625.0 | 327.5 | 0.0 | -327.5 | 12.48 | 0.00 | -3.401 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 01:45:00 | 8 | 2625.0 | 335.0 | 0.0 | -335.0 | 12.76 | 0.00 | 3.730 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 02:00:00 | 9 | 2625.0 | 345.0 | 0.0 | -345.0 | 13.14 | 0.00 | 3.073 | 75.109071 |
| Shembal Pimpri 33kV | 07/01/2020 02:15:00 | 10 | 2625.0 | 360.0 | 0.0 | -360.0 | 13.71 | 0.00 | 3.073 | 35.045880 |
| Shembal Pimpri 33kV | 07/01/2020 02:30:00 | 11 | 2625.0 | 372.5 | 0.0 | -372.5 | 14.19 | 0.00 | 3.401 | 50.720367 |
| Shembal Pimpri 33kV | 07/01/2020 02:45:00 | 12 | 2625.0 | 357.5 | 0.0 | -357.5 | 13.62 | 0.00 | 2.745 | 48.550757 |
| Shembal Pimpri 33kV | 07/01/2020 03:00:00 | 13 | 2625.0 | 365.0 | 0.0 | -365.0 | 13.9 | 0.00 | 1.647 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 03:15:00 | 14 | 2625.0 | 342.5 | 0.0 | -342.5 | 13.05 | 0.00 | 2.196 | 21.972291 |
| Shembal Pimpri 33kV | 07/01/2020 03:30:00 | 15 | 2625.0 | 327.5 | 0.0 | -327.5 | 12.48 | 0.00 | 1.647 | 27.952350 |
| Shembal Pimpri 33kV | 07/01/2020 03:45:00 | 16 | 2625.0 | 315.0 | 0.0 | -315.0 | 12.0 | 0.00 | 1.098 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 04:00:00 | 17 | 2625.0 | 305.0 | 0.0 | -305.0 | 11.62 | 0.00 | 1.647 | 111.690968 |
| Shembal Pimpri 33kV | 07/01/2020 04:15:00 | 18 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 2.210 | 209.417743 |
| Shembal Pimpri 33kV | 07/01/2020 04:30:00 | 19 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | 3.730 | 288.132652 |
| Shembal Pimpri 33kV | 07/01/2020 04:45:00 | 20 | 2625.0 | 275.0 | 0.0 | -275.0 | 10.48 | 0.00 | -1.098 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 05:00:00 | 21 | 2625.0 | 300.0 | 0.0 | -300.0 | 11.43 | 0.00 | -2.744 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 05:15:00 | 22 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | 3.730 | 152.831247 |
| Shembal Pimpri 33kV | 07/01/2020 05:30:00 | 23 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 3.073 | 337.574321 |
| Shembal Pimpri 33kV | 07/01/2020 05:45:00 | 24 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 3.730 | 262.243862 |
| Shembal Pimpri 33kV | 07/01/2020 06:00:00 | 25 | 2625.0 | 275.0 | 0.0 | -275.0 | 10.48 | 0.00 | -5.372 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 06:15:00 | 26 | 2625.0 | 260.0 | 0.0 | -260.0 | 9.9 | 0.00 | 4.556 | 866.345308 |
| Shembal Pimpri 33kV | 07/01/2020 06:30:00 | 27 | 2625.0 | 255.0 | 0.0 | -255.0 | 9.71 | 0.00 | 7.148 | 1471.143245 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shembal Pimpri 33kV | 07/01/2020 06:45:00 | 28 | 2625.0 | 242.5 | 0.0 | -242.5 | 9.24 | 0.00 | 7.821 | 1282.876704 |
| Shembal Pimpri 33kV | 07/01/2020 07:00:00 | 29 | 2625.0 | 252.5 | 0.0 | -252.5 | 9.62 | 0.00 | 5.372 | 671.005566 |
| Shembal Pimpri 33kV | 07/01/2020 07:15:00 | 30 | 2625.0 | 265.0 | 0.0 | -265.0 | 10.1 | 0.00 | 16.000 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 07:30:00 | 31 | 2625.0 | 277.5 | 0.0 | -277.5 | 10.57 | 0.00 | 9.296 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 07:45:00 | 32 | 2625.0 | 287.5 | 0.0 | -287.5 | 10.95 | 0.00 | 9.794 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 08:00:00 | 33 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | 3.593 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 08:15:00 | 34 | 2625.0 | 325.0 | 0.0 | -325.0 | 12.38 | 0.00 | 3.401 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 08:30:00 | 35 | 2625.0 | 350.0 | 0.0 | -350.0 | 13.33 | 0.00 | 3.245 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 08:45:00 | 36 | 2625.0 | 327.5 | 0.0 | -327.5 | 12.48 | 0.00 | 0.000 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 09:00:00 | 37 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 2.745 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 09:15:00 | 38 | 2625.0 | 305.0 | 0.0 | -305.0 | 11.62 | 0.00 | 4.715 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 09:30:00 | 39 | 2625.0 | 317.5 | 0.0 | -317.5 | 12.1 | 0.00 | 3.981 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 09:45:00 | 40 | 2625.0 | 335.0 | 0.0 | -335.0 | 12.76 | 0.00 | 3.730 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 10:00:00 | 41 | 2625.0 | 337.5 | 0.0 | -337.5 | 12.86 | 0.00 | 1.780 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 10:15:00 | 42 | 2625.0 | 345.0 | 0.0 | -345.0 | 13.14 | 0.00 | 5.643 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 10:30:00 | 43 | 2625.0 | 327.5 | 0.0 | -327.5 | 12.48 | 0.00 | 4.976 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 10:45:00 | 44 | 2625.0 | 335.0 | 0.0 | -335.0 | 12.76 | 0.00 | 4.415 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 11:00:00 | 45 | 2625.0 | 345.0 | 0.0 | -345.0 | 13.14 | 0.00 | 4.476 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 11:15:00 | 46 | 2625.0 | 360.0 | 0.0 | -360.0 | 13.71 | 0.00 | 4.826 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 11:30:00 | 47 | 2625.0 | 372.5 | 0.0 | -372.5 | 14.19 | 0.00 | 2.289 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 11:45:00 | 48 | 2625.0 | 357.5 | 0.0 | -357.5 | 13.62 | 0.00 | -0.549 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shembal Pimpri 33kV | 07/01/2020 12:00:00 | 49 | 2625.0 | 325.0 | 0.0 | -325.0 | 12.38 | 0.00 | 4.727 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 12:15:00 | 50 | 2625.0 | 322.5 | 0.0 | -322.5 | 12.29 | 0.00 | 4.777 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 12:30:00 | 51 | 2625.0 | 352.5 | 0.0 | -352.5 | 13.43 | 0.00 | 4.798 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 12:45:00 | 52 | 2625.0 | 340.0 | 0.0 | -340.0 | 12.95 | 0.00 | -3.401 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 13:00:00 | 53 | 2625.0 | 330.0 | 0.0 | -330.0 | 12.57 | 0.00 | -2.431 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 13:15:00 | 54 | 2625.0 | 317.5 | 0.0 | -317.5 | 12.1 | 0.00 | -4.387 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 13:30:00 | 55 | 2625.0 | 310.0 | 0.0 | -310.0 | 11.81 | 0.00 | -3.401 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 13:45:00 | 56 | 2625.0 | 300.0 | 0.0 | -300.0 | 11.43 | 0.00 | -5.044 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 14:00:00 | 57 | 2625.0 | 300.0 | 0.0 | -300.0 | 11.43 | 0.00 | 4.215 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 14:15:00 | 58 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | 9.552 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 14:30:00 | 59 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 6.358 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 14:45:00 | 60 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 2.744 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 15:00:00 | 61 | 2625.0 | 275.0 | 0.0 | -275.0 | 10.48 | 0.00 | -3.073 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 15:15:00 | 62 | 2625.0 | 327.5 | 0.0 | -327.5 | 12.48 | 0.00 | -4.058 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 15:30:00 | 63 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | -4.831 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 15:45:00 | 64 | 2625.0 | 352.5 | 0.0 | -352.5 | 13.43 | 0.00 | -5.372 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 16:00:00 | 65 | 2625.0 | 340.0 | 0.0 | -340.0 | 12.95 | 0.00 | 2.196 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 16:15:00 | 66 | 2625.0 | 330.0 | 0.0 | -330.0 | 12.57 | 0.00 | -3.401 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 16:30:00 | 67 | 2625.0 | 317.5 | 0.0 | -317.5 | 12.1 | 0.00 | 4.738 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 16:45:00 | 68 | 2625.0 | 310.0 | 0.0 | -310.0 | 11.81 | 0.00 | 7.343 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 17:00:00 | 69 | 2625.0 | 300.0 | 0.0 | -300.0 | 11.43 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shembal Pimpri 33kV | 07/01/2020 17:15:00 | 70 | 2625.0 | 300.0 | 0.0 | -300.0 | 11.43 | 0.00 | 2.744 | 49.903842 |
| Shembal Pimpri 33kV | 07/01/2020 17:30:00 | 71 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | 3.401 | 19.643756 |
| Shembal Pimpri 33kV | 07/01/2020 17:45:00 | 72 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -2.745 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 18:00:00 | 73 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -3.073 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 18:15:00 | 74 | 2625.0 | 275.0 | 0.0 | -275.0 | 10.48 | 0.00 | -5.372 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 18:30:00 | 75 | 2625.0 | 352.5 | 0.0 | -352.5 | 13.43 | 0.00 | 3.401 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 18:45:00 | 76 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | -3.401 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 19:00:00 | 77 | 2625.0 | 352.5 | 0.0 | -352.5 | 13.43 | 0.00 | -3.730 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 19:15:00 | 78 | 2625.0 | 340.0 | 0.0 | -340.0 | 12.95 | 0.00 | -4.715 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 19:30:00 | 79 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | -4.058 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 19:45:00 | 80 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | -2.210 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 20:00:00 | 81 | 2625.0 | 372.5 | 0.0 | -372.5 | 14.19 | 0.00 | -2.348 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 20:15:00 | 82 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 4.387 | 573.539686 |
| Shembal Pimpri 33kV | 07/01/2020 20:30:00 | 83 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 3.816 | 749.953297 |
| Shembal Pimpri 33kV | 07/01/2020 20:45:00 | 84 | 2625.0 | 380.0 | 0.0 | -380.0 | 14.48 | 0.00 | 3.401 | 186.707692 |
| Shembal Pimpri 33kV | 07/01/2020 21:00:00 | 85 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | -4.058 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 21:15:00 | 86 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 1.647 | 194.787919 |
| Shembal Pimpri 33kV | 07/01/2020 21:30:00 | 87 | 2625.0 | 380.0 | 0.0 | -380.0 | 14.48 | 0.00 | 2.196 | 121.175935 |
| Shembal Pimpri 33kV | 07/01/2020 21:45:00 | 88 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | -2.196 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 22:00:00 | 89 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | -3.257 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 22:15:00 | 90 | 2625.0 | 372.5 | 0.0 | -372.5 | 14.19 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shembal Pimpri 33kV | 07/01/2020 22:30:00 | 91 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | -1.098 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 22:45:00 | 92 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | -1.647 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 23:00:00 | 93 | 2625.0 | 372.5 | 0.0 | -372.5 | 14.19 | 0.00 | -3.401 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 23:15:00 | 94 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 1.647 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 23:30:00 | 95 | 2625.0 | 372.5 | 0.0 | -372.5 | 14.19 | 0.00 | -2.196 | 0.000000 |
| Shembal Pimpri 33kV | 07/01/2020 23:45:00 | 96 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | -0.549 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 00:00:00 | 1 | 2625.0 | 342.5 | 0.0 | -342.5 | 13.05 | 0.00 | -2.220 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 00:15:00 | 2 | 2625.0 | 355.0 | 0.0 | -355.0 | 13.52 | 0.00 | -3.101 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 00:30:00 | 3 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | -3.101 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 00:45:00 | 4 | 2625.0 | 385.0 | 0.0 | -385.0 | 14.67 | 0.00 | -2.424 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 01:00:00 | 5 | 2625.0 | 387.5 | 0.0 | -387.5 | 14.76 | 0.00 | -2.170 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 01:15:00 | 6 | 2625.0 | 395.0 | 0.0 | -395.0 | 15.05 | 0.63 | -1.761 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 01:30:00 | 7 | 2625.0 | 377.5 | 0.0 | -377.5 | 14.38 | 0.00 | -1.665 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 01:45:00 | 8 | 2625.0 | 385.0 | 0.0 | -385.0 | 14.67 | 0.00 | -1.665 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 02:00:00 | 9 | 2625.0 | 395.0 | 0.0 | -395.0 | 15.05 | 0.63 | -1.110 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 02:15:00 | 10 | 2625.0 | 410.0 | 0.0 | -410.0 | 15.62 | 8.13 | -1.347 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 02:30:00 | 11 | 2625.0 | 422.5 | 0.0 | -422.5 | 16.1 | 14.38 | -3.101 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 02:45:00 | 12 | 2625.0 | 407.5 | 0.0 | -407.5 | 15.52 | 6.88 | -2.220 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 03:00:00 | 13 | 2625.0 | 415.0 | 0.0 | -415.0 | 15.81 | 10.63 | -3.428 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 03:15:00 | 14 | 2625.0 | 392.5 | 0.0 | -392.5 | 14.95 | 0.00 | -2.220 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 03:30:00 | 15 | 2625.0 | 327.5 | 0.0 | -327.5 | 12.48 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shembal Pimpri 33kV | 08/01/2020 03:45:00 | 16 | 2625.0 | 315.0 | 0.0 | -315.0 | 12.0 | 0.00 | -2.775 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 04:00:00 | 17 | 2625.0 | 305.0 | 0.0 | -305.0 | 11.62 | 0.00 | -3.101 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 04:15:00 | 18 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -1.665 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 04:30:00 | 19 | 2625.0 | 285.0 | 0.0 | -285.0 | 10.86 | 0.00 | -2.220 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 04:45:00 | 20 | 2625.0 | 275.0 | 0.0 | -275.0 | 10.48 | 0.00 | -2.775 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 05:00:00 | 21 | 2625.0 | 300.0 | 0.0 | -300.0 | 11.43 | 0.00 | -1.110 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 05:15:00 | 22 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | 2.775 | 14.335944 |
| Shembal Pimpri 33kV | 08/01/2020 05:30:00 | 23 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -3.428 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 05:45:00 | 24 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -2.775 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 06:00:00 | 25 | 2625.0 | 275.0 | 0.0 | -275.0 | 10.48 | 0.00 | -2.220 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 06:15:00 | 26 | 2625.0 | 260.0 | 0.0 | -260.0 | 9.9 | 0.00 | 2.220 | 53.233669 |
| Shembal Pimpri 33kV | 08/01/2020 06:30:00 | 27 | 2625.0 | 255.0 | 0.0 | -255.0 | 9.71 | 0.00 | 5.387 | 458.990436 |
| Shembal Pimpri 33kV | 08/01/2020 06:45:00 | 28 | 2625.0 | 242.5 | 0.0 | -242.5 | 9.24 | 0.00 | -4.734 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 07:00:00 | 29 | 2625.0 | 252.5 | 0.0 | -252.5 | 9.62 | 0.00 | -4.407 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 07:15:00 | 30 | 2625.0 | 265.0 | 0.0 | -265.0 | 10.1 | 0.00 | 5.061 | 467.084590 |
| Shembal Pimpri 33kV | 08/01/2020 07:30:00 | 31 | 2625.0 | 277.5 | 0.0 | -277.5 | 10.57 | 0.00 | 5.714 | 468.003812 |
| Shembal Pimpri 33kV | 08/01/2020 07:45:00 | 32 | 2625.0 | 287.5 | 0.0 | -287.5 | 10.95 | 0.00 | 5.061 | 190.622411 |
| Shembal Pimpri 33kV | 08/01/2020 08:00:00 | 33 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | 2.775 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 08:15:00 | 34 | 2625.0 | 325.0 | 0.0 | -325.0 | 12.38 | 0.00 | 2.775 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 08:30:00 | 35 | 2625.0 | 350.0 | 0.0 | -350.0 | 13.33 | 0.00 | 5.387 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 08:45:00 | 36 | 2625.0 | 327.5 | 0.0 | -327.5 | 12.48 | 0.00 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shembal Pimpri 33kV | 08/01/2020 09:00:00 | 37 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 7.673 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 09:15:00 | 38 | 2625.0 | 305.0 | 0.0 | -305.0 | 11.62 | 0.00 | 7.673 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 09:30:00 | 39 | 2625.0 | 317.5 | 0.0 | -317.5 | 12.1 | 0.00 | 3.101 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 09:45:00 | 40 | 2625.0 | 335.0 | 0.0 | -335.0 | 12.76 | 0.00 | -3.101 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 10:00:00 | 41 | 2625.0 | 337.5 | 0.0 | -337.5 | 12.86 | 0.00 | -3.101 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 10:15:00 | 42 | 2625.0 | 345.0 | 0.0 | -345.0 | 13.14 | 0.00 | -3.101 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 10:30:00 | 43 | 2625.0 | 327.5 | 0.0 | -327.5 | 12.48 | 0.00 | -1.665 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 10:45:00 | 44 | 2625.0 | 335.0 | 0.0 | -335.0 | 12.76 | 0.00 | 0.000 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 11:00:00 | 45 | 2625.0 | 345.0 | 0.0 | -345.0 | 13.14 | 0.00 | -1.486 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 11:15:00 | 46 | 2625.0 | 360.0 | 0.0 | -360.0 | 13.71 | 0.00 | -1.305 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 11:30:00 | 47 | 2625.0 | 372.5 | 0.0 | -372.5 | 14.19 | 0.00 | -2.425 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 11:45:00 | 48 | 2625.0 | 357.5 | 0.0 | -357.5 | 13.62 | 0.00 | -2.775 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 12:00:00 | 49 | 2625.0 | 325.0 | 0.0 | -325.0 | 12.38 | 0.00 | -2.083 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 12:15:00 | 50 | 2625.0 | 322.5 | 0.0 | -322.5 | 12.29 | 0.00 | -3.242 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 12:30:00 | 51 | 2625.0 | 352.5 | 0.0 | -352.5 | 13.43 | 0.00 | -1.330 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 12:45:00 | 52 | 2625.0 | 340.0 | 0.0 | -340.0 | 12.95 | 0.00 | -0.830 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 13:00:00 | 53 | 2625.0 | 330.0 | 0.0 | -330.0 | 12.57 | 0.00 | 2.775 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 13:15:00 | 54 | 2625.0 | 317.5 | 0.0 | -317.5 | 12.1 | 0.00 | 0.000 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 13:30:00 | 55 | 2625.0 | 310.0 | 0.0 | -310.0 | 11.81 | 0.00 | -1.012 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 13:45:00 | 56 | 2625.0 | 300.0 | 0.0 | -300.0 | 11.43 | 0.00 | -1.087 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 14:00:00 | 57 | 2625.0 | 300.0 | 0.0 | -300.0 | 11.43 | 0.00 | -3.101 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shembal Pimpri 33kV | 08/01/2020 14:15:00 | 58 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | -4.081 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 14:30:00 | 59 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -2.996 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 14:45:00 | 60 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -3.101 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 15:00:00 | 61 | 2625.0 | 275.0 | 0.0 | -275.0 | 10.48 | 0.00 | -1.879 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 15:15:00 | 62 | 2625.0 | 327.5 | 0.0 | -327.5 | 12.48 | 0.00 | -4.081 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 15:30:00 | 63 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 4.938 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 15:45:00 | 64 | 2625.0 | 352.5 | 0.0 | -352.5 | 13.43 | 0.00 | 4.719 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 16:00:00 | 65 | 2625.0 | 340.0 | 0.0 | -340.0 | 12.95 | 0.00 | 0.555 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 16:15:00 | 66 | 2625.0 | 330.0 | 0.0 | -330.0 | 12.57 | 0.00 | -4.081 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 16:30:00 | 67 | 2625.0 | 317.5 | 0.0 | -317.5 | 12.1 | 0.00 | -3.754 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 16:45:00 | 68 | 2625.0 | 310.0 | 0.0 | -310.0 | 11.81 | 0.00 | -8.000 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 17:00:00 | 69 | 2625.0 | 300.0 | 0.0 | -300.0 | 11.43 | 0.00 | 0.000 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 17:15:00 | 70 | 2625.0 | 300.0 | 0.0 | -300.0 | 11.43 | 0.00 | 4.081 | 57.547620 |
| Shembal Pimpri 33kV | 08/01/2020 17:30:00 | 71 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | -5.387 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 17:45:00 | 72 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -3.101 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 18:00:00 | 73 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -2.775 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 18:15:00 | 74 | 2625.0 | 275.0 | 0.0 | -275.0 | 10.48 | 0.00 | -3.101 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 18:30:00 | 75 | 2625.0 | 352.5 | 0.0 | -352.5 | 13.43 | 0.00 | -2.220 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 18:45:00 | 76 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 2.220 | 289.690908 |
| Shembal Pimpri 33kV | 08/01/2020 19:00:00 | 77 | 2625.0 | 352.5 | 0.0 | -352.5 | 13.43 | 0.00 | 1.110 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 19:15:00 | 78 | 2625.0 | 340.0 | 0.0 | -340.0 | 12.95 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shembal Pimpri 33kV | 08/01/2020 19:30:00 | 79 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | -2.220 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 19:45:00 | 80 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | -0.555 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 20:00:00 | 81 | 2625.0 | 372.5 | 0.0 | -372.5 | 14.19 | 0.00 | 2.775 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 20:15:00 | 82 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 3.101 | 614.489880 |
| Shembal Pimpri 33kV | 08/01/2020 20:30:00 | 83 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 4.408 | 832.464328 |
| Shembal Pimpri 33kV | 08/01/2020 20:45:00 | 84 | 2625.0 | 380.0 | 0.0 | -380.0 | 14.48 | 0.00 | 3.101 | 248.671992 |
| Shembal Pimpri 33kV | 08/01/2020 21:00:00 | 85 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 3.101 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 21:15:00 | 86 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | -0.555 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 21:30:00 | 87 | 2625.0 | 380.0 | 0.0 | -380.0 | 14.48 | 0.00 | -1.110 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 21:45:00 | 88 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | -1.110 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 22:00:00 | 89 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | -2.489 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 22:15:00 | 90 | 2625.0 | 372.5 | 0.0 | -372.5 | 14.19 | 0.00 | -2.775 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 22:30:00 | 91 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | -2.223 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 22:45:00 | 92 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | 1.110 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 23:00:00 | 93 | 2625.0 | 372.5 | 0.0 | -372.5 | 14.19 | 0.00 | 1.110 | 39.768471 |
| Shembal Pimpri 33kV | 08/01/2020 23:15:00 | 94 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 1.110 | 0.000000 |
| Shembal Pimpri 33kV | 08/01/2020 23:30:00 | 95 | 2625.0 | 372.5 | 0.0 | -372.5 | 14.19 | 0.00 | 2.775 | 3.386219 |
| Shembal Pimpri 33kV | 08/01/2020 23:45:00 | 96 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 0.000 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 00:00:00 | 1 | 2625.0 | 1302.5 | 0.0 | -1302.5 | 49.62 | 969.38 | -0.576 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 00:15:00 | 2 | 2625.0 | 1420.0 | 0.0 | -1420.0 | 54.1 | 1145.63 | -1.727 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 00:30:00 | 3 | 2625.0 | 1552.5 | 0.0 | -1552.5 | 59.14 | 1344.38 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shembal Pimpri 33kV | 09/01/2020 00:45:00 | 4 | 2625.0 | 1672.5 | 0.0 | -1672.5 | 63.71 | 1524.38 | -2.879 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 01:00:00 | 5 | 2625.0 | 1685.0 | 0.0 | -1685.0 | 64.19 | 1543.13 | -3.519 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 01:15:00 | 6 | 2625.0 | 1697.5 | 0.0 | -1697.5 | 64.67 | 1561.88 | -3.519 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 01:30:00 | 7 | 2625.0 | 1710.0 | 0.0 | -1710.0 | 65.14 | 1580.63 | -3.199 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 01:45:00 | 8 | 2625.0 | 1722.5 | 0.0 | -1722.5 | 65.62 | 1599.38 | 3.519 | 418.546009 |
| Shembal Pimpri 33kV | 09/01/2020 02:00:00 | 9 | 2625.0 | 1690.0 | 0.0 | -1690.0 | 64.38 | 1550.63 | 3.519 | 1860.534451 |
| Shembal Pimpri 33kV | 09/01/2020 02:15:00 | 10 | 2625.0 | 1655.0 | 0.0 | -1655.0 | 63.05 | 1498.13 | 2.879 | 799.095767 |
| Shembal Pimpri 33kV | 09/01/2020 02:30:00 | 11 | 2625.0 | 1635.0 | 0.0 | -1635.0 | 62.29 | 1468.13 | 3.199 | 1135.813540 |
| Shembal Pimpri 33kV | 09/01/2020 02:45:00 | 12 | 2625.0 | 1612.5 | 0.0 | -1612.5 | 61.43 | 1434.38 | 1.152 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 03:00:00 | 13 | 2625.0 | 317.5 | 0.0 | -317.5 | 12.1 | 0.00 | -2.879 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 03:15:00 | 14 | 2625.0 | 310.0 | 0.0 | -310.0 | 11.81 | 0.00 | -3.839 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 03:30:00 | 15 | 2625.0 | 300.0 | 0.0 | -300.0 | 11.43 | 0.00 | 3.199 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 03:45:00 | 16 | 2625.0 | 300.0 | 0.0 | -300.0 | 11.43 | 0.00 | 0.000 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 04:00:00 | 17 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | 1.727 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 04:15:00 | 18 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 1.727 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 04:30:00 | 19 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 1.727 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 04:45:00 | 20 | 2625.0 | 275.0 | 0.0 | -275.0 | 10.48 | 0.00 | 2.879 | 236.997805 |
| Shembal Pimpri 33kV | 09/01/2020 05:00:00 | 21 | 2625.0 | 327.5 | 0.0 | -327.5 | 12.48 | 0.00 | 3.839 | 163.481059 |
| Shembal Pimpri 33kV | 09/01/2020 05:15:00 | 22 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 5.119 | 518.727232 |
| Shembal Pimpri 33kV | 09/01/2020 05:30:00 | 23 | 2625.0 | 352.5 | 0.0 | -352.5 | 13.43 | 0.00 | 4.064 | 906.772287 |
| Shembal Pimpri 33kV | 09/01/2020 05:45:00 | 24 | 2625.0 | 340.0 | 0.0 | -340.0 | 12.95 | 0.00 | 1.152 | 2.398647 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shembal Pimpri 33kV | 09/01/2020 06:00:00 | 25 | 2625.0 | 330.0 | 0.0 | -330.0 | 12.57 | 0.00 | -2.303 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 06:15:00 | 26 | 2625.0 | 317.5 | 0.0 | -317.5 | 12.1 | 0.00 | 2.303 | 211.184856 |
| Shembal Pimpri 33kV | 09/01/2020 06:30:00 | 27 | 2625.0 | 310.0 | 0.0 | -310.0 | 11.81 | 0.00 | -3.839 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 06:45:00 | 28 | 2625.0 | 300.0 | 0.0 | -300.0 | 11.43 | 0.00 | -2.879 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 07:00:00 | 29 | 2625.0 | 300.0 | 0.0 | -300.0 | 11.43 | 0.00 | -2.879 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 07:15:00 | 30 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | 6.400 | 148.008258 |
| Shembal Pimpri 33kV | 09/01/2020 07:30:00 | 31 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 1.172 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 07:45:00 | 32 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 0.576 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 08:00:00 | 33 | 2625.0 | 275.0 | 0.0 | -275.0 | 10.48 | 0.00 | -0.576 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 08:15:00 | 34 | 2625.0 | 352.5 | 0.0 | -352.5 | 13.43 | 0.00 | -1.152 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 08:30:00 | 35 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 0.576 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 08:45:00 | 36 | 2625.0 | 352.5 | 0.0 | -352.5 | 13.43 | 0.00 | 0.000 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 09:00:00 | 37 | 2625.0 | 340.0 | 0.0 | -340.0 | 12.95 | 0.00 | 1.152 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 09:15:00 | 38 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | 1.727 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 09:30:00 | 39 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | -3.839 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 09:45:00 | 40 | 2625.0 | 372.5 | 0.0 | -372.5 | 14.19 | 0.00 | -1.152 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 10:00:00 | 41 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 0.000 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 10:15:00 | 42 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 1.727 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 10:30:00 | 43 | 2625.0 | 380.0 | 0.0 | -380.0 | 14.48 | 0.00 | 2.303 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 10:45:00 | 44 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | -1.144 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 11:00:00 | 45 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | -4.479 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shembal Pimpri 33kV | 09/01/2020 11:15:00 | 46 | 2625.0 | 380.0 | 0.0 | -380.0 | 14.48 | 0.00 | -3.519 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 11:30:00 | 47 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | -2.303 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 11:45:00 | 48 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | -0.576 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 12:00:00 | 49 | 2625.0 | 372.5 | 0.0 | -372.5 | 14.19 | 0.00 | 0.000 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 12:15:00 | 50 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 3.839 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 12:30:00 | 51 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | 3.199 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 12:45:00 | 52 | 2625.0 | 372.5 | 0.0 | -372.5 | 14.19 | 0.00 | 3.199 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 13:00:00 | 53 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | -1.152 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 13:15:00 | 54 | 2625.0 | 372.5 | 0.0 | -372.5 | 14.19 | 0.00 | -1.152 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 13:30:00 | 55 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 1.727 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 13:45:00 | 56 | 2625.0 | 317.5 | 0.0 | -317.5 | 12.1 | 0.00 | 3.199 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 14:00:00 | 57 | 2625.0 | 310.0 | 0.0 | -310.0 | 11.81 | 0.00 | 4.345 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 14:15:00 | 58 | 2625.0 | 300.0 | 0.0 | -300.0 | 11.43 | 0.00 | 3.941 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 14:30:00 | 59 | 2625.0 | 300.0 | 0.0 | -300.0 | 11.43 | 0.00 | 1.152 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 14:45:00 | 60 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | -0.576 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 15:00:00 | 61 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -1.006 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 15:15:00 | 62 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 3.199 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 15:30:00 | 63 | 2625.0 | 275.0 | 0.0 | -275.0 | 10.48 | 0.00 | 2.879 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 15:45:00 | 64 | 2625.0 | 327.5 | 0.0 | -327.5 | 12.48 | 0.00 | 3.839 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 16:00:00 | 65 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 1.727 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 16:15:00 | 66 | 2625.0 | 352.5 | 0.0 | -352.5 | 13.43 | 0.00 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shembal Pimpri 33kV | 09/01/2020 16:30:00 | 67 | 2625.0 | 340.0 | 0.0 | -340.0 | 12.95 | 0.00 | -4.159 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 16:45:00 | 68 | 2625.0 | 330.0 | 0.0 | -330.0 | 12.57 | 0.00 | 3.839 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 17:00:00 | 69 | 2625.0 | 317.5 | 0.0 | -317.5 | 12.1 | 0.00 | 1.727 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 17:15:00 | 70 | 2625.0 | 310.0 | 0.0 | -310.0 | 11.81 | 0.00 | 3.839 | 106.551878 |
| Shembal Pimpri 33kV | 09/01/2020 17:30:00 | 71 | 2625.0 | 300.0 | 0.0 | -300.0 | 11.43 | 0.00 | -2.879 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 17:45:00 | 72 | 2625.0 | 300.0 | 0.0 | -300.0 | 11.43 | 0.00 | -4.146 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 18:00:00 | 73 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | -3.349 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 18:15:00 | 74 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -4.563 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 18:30:00 | 75 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -3.839 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 18:45:00 | 76 | 2625.0 | 275.0 | 0.0 | -275.0 | 10.48 | 0.00 | -2.879 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 19:00:00 | 77 | 2625.0 | 352.5 | 0.0 | -352.5 | 13.43 | 0.00 | -3.199 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 19:15:00 | 78 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | -1.727 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 19:30:00 | 79 | 2625.0 | 352.5 | 0.0 | -352.5 | 13.43 | 0.00 | -1.442 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 19:45:00 | 80 | 2625.0 | 340.0 | 0.0 | -340.0 | 12.95 | 0.00 | -0.286 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 20:00:00 | 81 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | -1.070 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 20:15:00 | 82 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | -2.236 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 20:30:00 | 83 | 2625.0 | 372.5 | 0.0 | -372.5 | 14.19 | 0.00 | -4.799 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 20:45:00 | 84 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | -1.727 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 21:00:00 | 85 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | -1.727 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 21:15:00 | 86 | 2625.0 | 380.0 | 0.0 | -380.0 | 14.48 | 0.00 | 1.152 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 21:30:00 | 87 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shembal Pimpri 33kV | 09/01/2020 21:45:00 | 88 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | -2.303 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 22:00:00 | 89 | 2625.0 | 380.0 | 0.0 | -380.0 | 14.48 | 0.00 | -2.795 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 22:15:00 | 90 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | -3.674 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 22:30:00 | 91 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | -2.303 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 22:45:00 | 92 | 2625.0 | 372.5 | 0.0 | -372.5 | 14.19 | 0.00 | -1.152 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 23:00:00 | 93 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 0.000 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 23:15:00 | 94 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | -0.576 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 23:30:00 | 95 | 2625.0 | 372.5 | 0.0 | -372.5 | 14.19 | 0.00 | -0.576 | 0.000000 |
| Shembal Pimpri 33kV | 09/01/2020 23:45:00 | 96 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | -0.987 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 00:00:00 | 1 | 2625.0 | 352.5 | 0.0 | -352.5 | 13.43 | 0.00 | -0.680 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 00:15:00 | 2 | 2625.0 | 340.0 | 0.0 | -340.0 | 12.95 | 0.00 | -3.326 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 00:30:00 | 3 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | -2.992 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 00:45:00 | 4 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | -0.532 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 01:00:00 | 5 | 2625.0 | 372.5 | 0.0 | -372.5 | 14.19 | 0.00 | -0.713 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 01:15:00 | 6 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | -0.548 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 01:30:00 | 7 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | -2.658 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 01:45:00 | 8 | 2625.0 | 380.0 | 0.0 | -380.0 | 14.48 | 0.00 | 2.127 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 02:00:00 | 9 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 5.342 | 720.068384 |
| Shembal Pimpri 33kV | 10/01/2020 02:15:00 | 10 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 1.595 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 02:30:00 | 11 | 2625.0 | 380.0 | 0.0 | -380.0 | 14.48 | 0.00 | 3.326 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 02:45:00 | 12 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shembal Pimpri 33kV | 10/01/2020 03:00:00 | 13 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | 2.658 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 03:15:00 | 14 | 2625.0 | 310.0 | 0.0 | -310.0 | 11.81 | 0.00 | 2.127 | 49.154463 |
| Shembal Pimpri 33kV | 10/01/2020 03:30:00 | 15 | 2625.0 | 300.0 | 0.0 | -300.0 | 11.43 | 0.00 | 2.127 | 56.397194 |
| Shembal Pimpri 33kV | 10/01/2020 03:45:00 | 16 | 2625.0 | 300.0 | 0.0 | -300.0 | 11.43 | 0.00 | -1.063 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 04:00:00 | 17 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | 1.595 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 04:15:00 | 18 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 3.326 | 173.931883 |
| Shembal Pimpri 33kV | 10/01/2020 04:30:00 | 19 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 3.326 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 04:45:00 | 20 | 2625.0 | 275.0 | 0.0 | -275.0 | 10.48 | 0.00 | 2.127 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 05:00:00 | 21 | 2625.0 | 327.5 | 0.0 | -327.5 | 12.48 | 0.00 | 2.992 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 05:15:00 | 22 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 1.063 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 05:30:00 | 23 | 2625.0 | 352.5 | 0.0 | -352.5 | 13.43 | 0.00 | -2.658 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 05:45:00 | 24 | 2625.0 | 340.0 | 0.0 | -340.0 | 12.95 | 0.00 | 2.127 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 06:00:00 | 25 | 2625.0 | 330.0 | 0.0 | -330.0 | 12.57 | 0.00 | -2.127 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 06:15:00 | 26 | 2625.0 | 317.5 | 0.0 | -317.5 | 12.1 | 0.00 | 2.658 | 80.546249 |
| Shembal Pimpri 33kV | 10/01/2020 06:30:00 | 27 | 2625.0 | 310.0 | 0.0 | -310.0 | 11.81 | 0.00 | -2.992 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 06:45:00 | 28 | 2625.0 | 300.0 | 0.0 | -300.0 | 11.43 | 0.00 | -3.077 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 07:00:00 | 29 | 2625.0 | 300.0 | 0.0 | -300.0 | 11.43 | 0.00 | -0.687 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 07:15:00 | 30 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | -2.658 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 07:30:00 | 31 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -1.063 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 07:45:00 | 32 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -2.658 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 08:00:00 | 33 | 2625.0 | 275.0 | 0.0 | -275.0 | 10.48 | 0.00 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shembal Pimpri 33kV | 10/01/2020 08:15:00 | 34 | 2625.0 | 352.5 | 0.0 | -352.5 | 13.43 | 0.00 | -4.661 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 08:30:00 | 35 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 5.663 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 08:45:00 | 36 | 2625.0 | 352.5 | 0.0 | -352.5 | 13.43 | 0.00 | 4.328 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 09:00:00 | 37 | 2625.0 | 340.0 | 0.0 | -340.0 | 12.95 | 0.00 | -4.995 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 09:15:00 | 38 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | -4.327 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 09:30:00 | 39 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | -2.127 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 09:45:00 | 40 | 2625.0 | 372.5 | 0.0 | -372.5 | 14.19 | 0.00 | -1.152 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 10:00:00 | 41 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 0.000 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 10:15:00 | 42 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | -0.532 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 10:30:00 | 43 | 2625.0 | 380.0 | 0.0 | -380.0 | 14.48 | 0.00 | -1.063 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 10:45:00 | 44 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 0.000 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 11:00:00 | 45 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 2.658 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 11:15:00 | 46 | 2625.0 | 380.0 | 0.0 | -380.0 | 14.48 | 0.00 | 0.000 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 11:30:00 | 47 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | -1.595 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 11:45:00 | 48 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | 2.992 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 12:00:00 | 49 | 2625.0 | 372.5 | 0.0 | -372.5 | 14.19 | 0.00 | 0.000 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 12:15:00 | 50 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 2.127 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 12:30:00 | 51 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | 1.595 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 12:45:00 | 52 | 2625.0 | 372.5 | 0.0 | -372.5 | 14.19 | 0.00 | -1.063 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 13:00:00 | 53 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 2.658 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 13:15:00 | 54 | 2625.0 | 372.5 | 0.0 | -372.5 | 14.19 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shembal Pimpri 33kV | 10/01/2020 13:30:00 | 55 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 2.127 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 13:45:00 | 56 | 2625.0 | 317.5 | 0.0 | -317.5 | 12.1 | 0.00 | -3.326 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 14:00:00 | 57 | 2625.0 | 310.0 | 0.0 | -310.0 | 11.81 | 0.00 | -2.992 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 14:15:00 | 58 | 2625.0 | 300.0 | 0.0 | -300.0 | 11.43 | 0.00 | 3.660 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 14:30:00 | 59 | 2625.0 | 300.0 | 0.0 | -300.0 | 11.43 | 0.00 | -2.127 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 14:45:00 | 60 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | -2.127 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 15:00:00 | 61 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 0.000 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 15:15:00 | 62 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -2.992 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 15:30:00 | 63 | 2625.0 | 275.0 | 0.0 | -275.0 | 10.48 | 0.00 | -4.995 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 15:45:00 | 64 | 2625.0 | 327.5 | 0.0 | -327.5 | 12.48 | 0.00 | -4.327 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 16:00:00 | 65 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | -4.995 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 16:15:00 | 66 | 2625.0 | 352.5 | 0.0 | -352.5 | 13.43 | 0.00 | -8.000 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 16:30:00 | 67 | 2625.0 | 340.0 | 0.0 | -340.0 | 12.95 | 0.00 | -8.000 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 16:45:00 | 68 | 2625.0 | 330.0 | 0.0 | -330.0 | 12.57 | 0.00 | 4.327 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 17:00:00 | 69 | 2625.0 | 317.5 | 0.0 | -317.5 | 12.1 | 0.00 | 0.532 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 17:15:00 | 70 | 2625.0 | 310.0 | 0.0 | -310.0 | 11.81 | 0.00 | -1.595 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 17:30:00 | 71 | 2625.0 | 300.0 | 0.0 | -300.0 | 11.43 | 0.00 | -2.658 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 17:45:00 | 72 | 2625.0 | 300.0 | 0.0 | -300.0 | 11.43 | 0.00 | -2.127 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 18:00:00 | 73 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | -1.461 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 18:15:00 | 74 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 3.326 | 102.789225 |
| Shembal Pimpri 33kV | 10/01/2020 18:30:00 | 75 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shembal Pimpri 33kV | 10/01/2020 18:45:00 | 76 | 2625.0 | 275.0 | 0.0 | -275.0 | 10.48 | 0.00 | 3.994 | 45.904210 |
| Shembal Pimpri 33kV | 10/01/2020 19:00:00 | 77 | 2625.0 | 352.5 | 0.0 | -352.5 | 13.43 | 0.00 | -2.127 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 19:15:00 | 78 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | -2.658 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 19:30:00 | 79 | 2625.0 | 352.5 | 0.0 | -352.5 | 13.43 | 0.00 | -3.660 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 19:45:00 | 80 | 2625.0 | 340.0 | 0.0 | -340.0 | 12.95 | 0.00 | -3.326 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 20:00:00 | 81 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | 3.660 | 91.413328 |
| Shembal Pimpri 33kV | 10/01/2020 20:15:00 | 82 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | 3.660 | 392.569280 |
| Shembal Pimpri 33kV | 10/01/2020 20:30:00 | 83 | 2625.0 | 372.5 | 0.0 | -372.5 | 14.19 | 0.00 | 4.995 | 553.595005 |
| Shembal Pimpri 33kV | 10/01/2020 20:45:00 | 84 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 2.992 | 386.216652 |
| Shembal Pimpri 33kV | 10/01/2020 21:00:00 | 85 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | -3.660 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 21:15:00 | 86 | 2625.0 | 380.0 | 0.0 | -380.0 | 14.48 | 0.00 | -1.595 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 21:30:00 | 87 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | -1.063 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 21:45:00 | 88 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | -0.532 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 22:00:00 | 89 | 2625.0 | 380.0 | 0.0 | -380.0 | 14.48 | 0.00 | -1.595 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 22:15:00 | 90 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | -2.127 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 22:30:00 | 91 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | 1.063 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 22:45:00 | 92 | 2625.0 | 372.5 | 0.0 | -372.5 | 14.19 | 0.00 | -2.658 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 23:00:00 | 93 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | -2.658 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 23:15:00 | 94 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | 0.000 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 23:30:00 | 95 | 2625.0 | 372.5 | 0.0 | -372.5 | 14.19 | 0.00 | 0.000 | 0.000000 |
| Shembal Pimpri 33kV | 10/01/2020 23:45:00 | 96 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shembal Pimpri 33kV | 11/01/2020 00:00:00 | 1 | 2625.0 | 352.5 | 0.0 | -352.5 | 13.43 | 0.00 | 0.000 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 00:15:00 | 2 | 2625.0 | 340.0 | 0.0 | -340.0 | 12.95 | 0.00 | -2.629 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 00:30:00 | 3 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | -1.577 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 00:45:00 | 4 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | 2.103 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 01:00:00 | 5 | 2625.0 | 372.5 | 0.0 | -372.5 | 14.19 | 0.00 | 2.964 | 175.005389 |
| Shembal Pimpri 33kV | 11/01/2020 01:15:00 | 6 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 1.052 | 24.237291 |
| Shembal Pimpri 33kV | 11/01/2020 01:30:00 | 7 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 1.577 | 43.151772 |
| Shembal Pimpri 33kV | 11/01/2020 01:45:00 | 8 | 2625.0 | 380.0 | 0.0 | -380.0 | 14.48 | 0.00 | -0.526 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 02:00:00 | 9 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | -0.403 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 02:15:00 | 10 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | -0.630 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 02:30:00 | 11 | 2625.0 | 380.0 | 0.0 | -380.0 | 14.48 | 0.00 | -0.526 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 02:45:00 | 12 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | -0.526 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 03:00:00 | 13 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | -1.051 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 03:15:00 | 14 | 2625.0 | 310.0 | 0.0 | -310.0 | 11.81 | 0.00 | 0.000 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 03:30:00 | 15 | 2625.0 | 300.0 | 0.0 | -300.0 | 11.43 | 0.00 | 0.000 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 03:45:00 | 16 | 2625.0 | 300.0 | 0.0 | -300.0 | 11.43 | 0.00 | 0.000 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 04:00:00 | 17 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | 0.000 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 04:15:00 | 18 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -1.051 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 04:30:00 | 19 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -2.964 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 04:45:00 | 20 | 2625.0 | 275.0 | 0.0 | -275.0 | 10.48 | 0.00 | -3.300 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 05:00:00 | 21 | 2625.0 | 327.5 | 0.0 | -327.5 | 12.48 | 0.00 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shembal Pimpri 33kV | 11/01/2020 05:15:00 | 22 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 5.314 | 460.475449 |
| Shembal Pimpri 33kV | 11/01/2020 05:30:00 | 23 | 2625.0 | 352.5 | 0.0 | -352.5 | 13.43 | 0.00 | 2.964 | 213.421607 |
| Shembal Pimpri 33kV | 11/01/2020 05:45:00 | 24 | 2625.0 | 340.0 | 0.0 | -340.0 | 12.95 | 0.00 | 2.103 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 06:00:00 | 25 | 2625.0 | 330.0 | 0.0 | -330.0 | 12.57 | 0.00 | 3.636 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 06:15:00 | 26 | 2625.0 | 317.5 | 0.0 | -317.5 | 12.1 | 0.00 | 2.964 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 06:30:00 | 27 | 2625.0 | 310.0 | 0.0 | -310.0 | 11.81 | 0.00 | 4.105 | 227.735443 |
| Shembal Pimpri 33kV | 11/01/2020 06:45:00 | 28 | 2625.0 | 300.0 | 0.0 | -300.0 | 11.43 | 0.00 | 5.650 | 46.395690 |
| Shembal Pimpri 33kV | 11/01/2020 07:00:00 | 29 | 2625.0 | 300.0 | 0.0 | -300.0 | 11.43 | 0.00 | 3.300 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 07:15:00 | 30 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | 5.314 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 07:30:00 | 31 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 2.964 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 07:45:00 | 32 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 2.103 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 08:00:00 | 33 | 2625.0 | 275.0 | 0.0 | -275.0 | 10.48 | 0.00 | -1.577 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 08:15:00 | 34 | 2625.0 | 352.5 | 0.0 | -352.5 | 13.43 | 0.00 | 3.300 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 08:30:00 | 35 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 2.116 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 08:45:00 | 36 | 2625.0 | 352.5 | 0.0 | -352.5 | 13.43 | 0.00 | 2.964 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 09:00:00 | 37 | 2625.0 | 340.0 | 0.0 | -340.0 | 12.95 | 0.00 | 6.681 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 09:15:00 | 38 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | 6.657 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 09:30:00 | 39 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | -6.322 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 09:45:00 | 40 | 2625.0 | 372.5 | 0.0 | -372.5 | 14.19 | 0.00 | -2.103 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 10:00:00 | 41 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 0.526 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 10:15:00 | 42 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shembal Pimpri 33kV | 11/01/2020 10:30:00 | 43 | 2625.0 | 380.0 | 0.0 | -380.0 | 14.48 | 0.00 | 0.000 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 10:45:00 | 44 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 0.000 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 11:00:00 | 45 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 0.000 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 11:15:00 | 46 | 2625.0 | 380.0 | 0.0 | -380.0 | 14.48 | 0.00 | -2.964 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 11:30:00 | 47 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | -4.307 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 11:45:00 | 48 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | -3.300 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 12:00:00 | 49 | 2625.0 | 372.5 | 0.0 | -372.5 | 14.19 | 0.00 | -0.526 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 12:15:00 | 50 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | -2.103 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 12:30:00 | 51 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | -2.629 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 12:45:00 | 52 | 2625.0 | 372.5 | 0.0 | -372.5 | 14.19 | 0.00 | -2.629 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 13:00:00 | 53 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 0.000 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 13:15:00 | 54 | 2625.0 | 372.5 | 0.0 | -372.5 | 14.19 | 0.00 | -2.103 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 13:30:00 | 55 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 2.629 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 13:45:00 | 56 | 2625.0 | 317.5 | 0.0 | -317.5 | 12.1 | 0.00 | 2.103 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 14:00:00 | 57 | 2625.0 | 310.0 | 0.0 | -310.0 | 11.81 | 0.00 | 1.051 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 14:15:00 | 58 | 2625.0 | 300.0 | 0.0 | -300.0 | 11.43 | 0.00 | 3.300 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 14:30:00 | 59 | 2625.0 | 300.0 | 0.0 | -300.0 | 11.43 | 0.00 | -3.636 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 14:45:00 | 60 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | 4.979 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 15:00:00 | 61 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -2.964 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 15:15:00 | 62 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -5.314 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 15:30:00 | 63 | 2625.0 | 275.0 | 0.0 | -275.0 | 10.48 | 0.00 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shembal Pimpri 33kV | 11/01/2020 15:45:00 | 64 | 2625.0 | 327.5 | 0.0 | -327.5 | 12.48 | 0.00 | 4.643 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 16:00:00 | 65 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 2.103 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 16:15:00 | 66 | 2625.0 | 352.5 | 0.0 | -352.5 | 13.43 | 0.00 | -2.964 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 16:30:00 | 67 | 2625.0 | 340.0 | 0.0 | -340.0 | 12.95 | 0.00 | -2.103 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 16:45:00 | 68 | 2625.0 | 330.0 | 0.0 | -330.0 | 12.57 | 0.00 | 3.972 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 17:00:00 | 69 | 2625.0 | 317.5 | 0.0 | -317.5 | 12.1 | 0.00 | -1.577 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 17:15:00 | 70 | 2625.0 | 310.0 | 0.0 | -310.0 | 11.81 | 0.00 | -1.577 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 17:30:00 | 71 | 2625.0 | 300.0 | 0.0 | -300.0 | 11.43 | 0.00 | 1.051 | 3.827803 |
| Shembal Pimpri 33kV | 11/01/2020 17:45:00 | 72 | 2625.0 | 300.0 | 0.0 | -300.0 | 11.43 | 0.00 | -2.103 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 18:00:00 | 73 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | -2.964 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 18:15:00 | 74 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -2.629 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 18:30:00 | 75 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 2.103 | 10.282105 |
| Shembal Pimpri 33kV | 11/01/2020 18:45:00 | 76 | 2625.0 | 275.0 | 0.0 | -275.0 | 10.48 | 0.00 | 0.526 | 28.304876 |
| Shembal Pimpri 33kV | 11/01/2020 19:00:00 | 77 | 2625.0 | 352.5 | 0.0 | -352.5 | 13.43 | 0.00 | 2.103 | 144.100794 |
| Shembal Pimpri 33kV | 11/01/2020 19:15:00 | 78 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | -1.052 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 19:30:00 | 79 | 2625.0 | 352.5 | 0.0 | -352.5 | 13.43 | 0.00 | 2.964 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 19:45:00 | 80 | 2625.0 | 340.0 | 0.0 | -340.0 | 12.95 | 0.00 | 2.629 | 252.904505 |
| Shembal Pimpri 33kV | 11/01/2020 20:00:00 | 81 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | 2.629 | 60.986518 |
| Shembal Pimpri 33kV | 11/01/2020 20:15:00 | 82 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | 4.307 | 201.103243 |
| Shembal Pimpri 33kV | 11/01/2020 20:30:00 | 83 | 2625.0 | 372.5 | 0.0 | -372.5 | 14.19 | 0.00 | 2.964 | 512.191676 |
| Shembal Pimpri 33kV | 11/01/2020 20:45:00 | 84 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 2.629 | 433.761358 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shembal Pimpri 33kV | 11/01/2020 21:00:00 | 85 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 3.636 | 78.780241 |
| Shembal Pimpri 33kV | 11/01/2020 21:15:00 | 86 | 2625.0 | 380.0 | 0.0 | -380.0 | 14.48 | 0.00 | -1.577 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 21:30:00 | 87 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | -1.577 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 21:45:00 | 88 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | -1.052 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 22:00:00 | 89 | 2625.0 | 380.0 | 0.0 | -380.0 | 14.48 | 0.00 | -5.650 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 22:15:00 | 90 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | -5.650 | 0.000000 |
| Shembal Pimpri 33kV | 11/01/2020 22:30:00 | 91 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | 4.979 | 180.808697 |
| Shembal Pimpri 33kV | 11/01/2020 22:45:00 | 92 | 2625.0 | 372.5 | 0.0 | -372.5 | 14.19 | 0.00 | 2.964 | 233.923651 |
| Shembal Pimpri 33kV | 11/01/2020 23:00:00 | 93 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 1.577 | 57.465155 |
| Shembal Pimpri 33kV | 11/01/2020 23:15:00 | 94 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | 1.074 | 47.962379 |
| Shembal Pimpri 33kV | 11/01/2020 23:30:00 | 95 | 2625.0 | 372.5 | 0.0 | -372.5 | 14.19 | 0.00 | 2.113 | 214.741962 |
| Shembal Pimpri 33kV | 11/01/2020 23:45:00 | 96 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 2.162 | 273.127583 |
| Shembal Pimpri 33kV | 12/01/2020 00:00:00 | 1 | 2625.0 | 352.5 | 0.0 | -352.5 | 13.43 | 0.00 | 3.022 | 216.811439 |
| Shembal Pimpri 33kV | 12/01/2020 00:15:00 | 2 | 2625.0 | 340.0 | 0.0 | -340.0 | 12.95 | 0.00 | -2.152 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 00:30:00 | 3 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | -2.152 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 00:45:00 | 4 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | -3.022 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 01:00:00 | 5 | 2625.0 | 372.5 | 0.0 | -372.5 | 14.19 | 0.00 | -0.629 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 01:15:00 | 6 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | -3.317 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 01:30:00 | 7 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | -3.354 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 01:45:00 | 8 | 2625.0 | 380.0 | 0.0 | -380.0 | 14.48 | 0.00 | -3.022 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 02:00:00 | 9 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shembal Pimpri 33kV | 12/01/2020 02:15:00 | 10 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | -3.022 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 02:30:00 | 11 | 2625.0 | 380.0 | 0.0 | -380.0 | 14.48 | 0.00 | -2.690 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 02:45:00 | 12 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | -3.022 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 03:00:00 | 13 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | 3.354 | 177.557658 |
| Shembal Pimpri 33kV | 12/01/2020 03:15:00 | 14 | 2625.0 | 310.0 | 0.0 | -310.0 | 11.81 | 0.00 | 3.022 | 180.006172 |
| Shembal Pimpri 33kV | 12/01/2020 03:30:00 | 15 | 2625.0 | 300.0 | 0.0 | -300.0 | 11.43 | 0.00 | 3.354 | 64.610875 |
| Shembal Pimpri 33kV | 12/01/2020 03:45:00 | 16 | 2625.0 | 300.0 | 0.0 | -300.0 | 11.43 | 0.00 | 2.152 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 04:00:00 | 17 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | -2.152 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 04:15:00 | 18 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -3.022 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 04:30:00 | 19 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 1.076 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 04:45:00 | 20 | 2625.0 | 275.0 | 0.0 | -275.0 | 10.48 | 0.00 | -3.022 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 05:00:00 | 21 | 2625.0 | 327.5 | 0.0 | -327.5 | 12.48 | 0.00 | 3.686 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 05:15:00 | 22 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 3.686 | 405.451890 |
| Shembal Pimpri 33kV | 12/01/2020 05:30:00 | 23 | 2625.0 | 352.5 | 0.0 | -352.5 | 13.43 | 0.00 | -1.614 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 05:45:00 | 24 | 2625.0 | 340.0 | 0.0 | -340.0 | 12.95 | 0.00 | -0.496 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 06:00:00 | 25 | 2625.0 | 330.0 | 0.0 | -330.0 | 12.57 | 0.00 | 0.000 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 06:15:00 | 26 | 2625.0 | 317.5 | 0.0 | -317.5 | 12.1 | 0.00 | -0.430 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 06:30:00 | 27 | 2625.0 | 310.0 | 0.0 | -310.0 | 11.81 | 0.00 | -2.152 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 06:45:00 | 28 | 2625.0 | 300.0 | 0.0 | -300.0 | 11.43 | 0.00 | 4.681 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 07:00:00 | 29 | 2625.0 | 300.0 | 0.0 | -300.0 | 11.43 | 0.00 | 1.614 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 07:15:00 | 30 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | 3.838 | 246.227754 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shembal Pimpri 33kV | 12/01/2020 07:30:00 | 31 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 3.022 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 07:45:00 | 32 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 2.690 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 08:00:00 | 33 | 2625.0 | 275.0 | 0.0 | -275.0 | 10.48 | 0.00 | -2.690 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 08:15:00 | 34 | 2625.0 | 352.5 | 0.0 | -352.5 | 13.43 | 0.00 | -4.018 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 08:30:00 | 35 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | -2.690 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 08:45:00 | 36 | 2625.0 | 352.5 | 0.0 | -352.5 | 13.43 | 0.00 | 3.022 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 09:00:00 | 37 | 2625.0 | 340.0 | 0.0 | -340.0 | 12.95 | 0.00 | -3.354 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 09:15:00 | 38 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | -4.350 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 09:30:00 | 39 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | 2.152 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 09:45:00 | 40 | 2625.0 | 372.5 | 0.0 | -372.5 | 14.19 | 0.00 | -2.690 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 10:00:00 | 41 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | -3.354 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 10:15:00 | 42 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | -3.686 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 10:30:00 | 43 | 2625.0 | 380.0 | 0.0 | -380.0 | 14.48 | 0.00 | -1.614 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 10:45:00 | 44 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 3.686 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 11:00:00 | 45 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | -3.354 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 11:15:00 | 46 | 2625.0 | 380.0 | 0.0 | -380.0 | 14.48 | 0.00 | -5.450 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 11:30:00 | 47 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | -6.009 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 11:45:00 | 48 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | 2.690 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 12:00:00 | 49 | 2625.0 | 372.5 | 0.0 | -372.5 | 14.19 | 0.00 | 3.686 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 12:15:00 | 50 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | -5.345 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 12:30:00 | 51 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shembal Pimpri 33kV | 12/01/2020 12:45:00 | 52 | 2625.0 | 372.5 | 0.0 | -372.5 | 14.19 | 0.00 | -5.345 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 13:00:00 | 53 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | -3.999 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 13:15:00 | 54 | 2625.0 | 372.5 | 0.0 | -372.5 | 14.19 | 0.00 | -4.350 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 13:30:00 | 55 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | -1.076 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 13:45:00 | 56 | 2625.0 | 317.5 | 0.0 | -317.5 | 12.1 | 0.00 | -2.690 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 14:00:00 | 57 | 2625.0 | 310.0 | 0.0 | -310.0 | 11.81 | 0.00 | -0.538 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 14:15:00 | 58 | 2625.0 | 300.0 | 0.0 | -300.0 | 11.43 | 0.00 | -2.152 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 14:30:00 | 59 | 2625.0 | 300.0 | 0.0 | -300.0 | 11.43 | 0.00 | -2.690 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 14:45:00 | 60 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | -1.076 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 15:00:00 | 61 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 0.000 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 15:15:00 | 62 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -2.690 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 15:30:00 | 63 | 2625.0 | 275.0 | 0.0 | -275.0 | 10.48 | 0.00 | -3.022 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 15:45:00 | 64 | 2625.0 | 327.5 | 0.0 | -327.5 | 12.48 | 0.00 | -3.686 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 16:00:00 | 65 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | -3.737 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 16:15:00 | 66 | 2625.0 | 352.5 | 0.0 | -352.5 | 13.43 | 0.00 | -5.786 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 16:30:00 | 67 | 2625.0 | 340.0 | 0.0 | -340.0 | 12.95 | 0.00 | -4.350 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 16:45:00 | 68 | 2625.0 | 330.0 | 0.0 | -330.0 | 12.57 | 0.00 | -1.614 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 17:00:00 | 69 | 2625.0 | 317.5 | 0.0 | -317.5 | 12.1 | 0.00 | 0.000 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 17:15:00 | 70 | 2625.0 | 310.0 | 0.0 | -310.0 | 11.81 | 0.00 | 2.690 | 80.368663 |
| Shembal Pimpri 33kV | 12/01/2020 17:30:00 | 71 | 2625.0 | 300.0 | 0.0 | -300.0 | 11.43 | 0.00 | -3.022 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 17:45:00 | 72 | 2625.0 | 300.0 | 0.0 | -300.0 | 11.43 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shembal Pimpri 33kV | 12/01/2020 18:00:00 | 73 | 2625.0 | 297.5 | 0.0 | -297.5 | 11.33 | 0.00 | -0.538 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 18:15:00 | 74 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | -4.350 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 18:30:00 | 75 | 2625.0 | 292.5 | 0.0 | -292.5 | 11.14 | 0.00 | 2.690 | 50.299801 |
| Shembal Pimpri 33kV | 12/01/2020 18:45:00 | 76 | 2625.0 | 275.0 | 0.0 | -275.0 | 10.48 | 0.00 | 3.022 | 304.663285 |
| Shembal Pimpri 33kV | 12/01/2020 19:00:00 | 77 | 2625.0 | 352.5 | 0.0 | -352.5 | 13.43 | 0.00 | 3.686 | 125.439572 |
| Shembal Pimpri 33kV | 12/01/2020 19:15:00 | 78 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 2.690 | 7.762724 |
| Shembal Pimpri 33kV | 12/01/2020 19:30:00 | 79 | 2625.0 | 352.5 | 0.0 | -352.5 | 13.43 | 0.00 | -3.022 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 19:45:00 | 80 | 2625.0 | 340.0 | 0.0 | -340.0 | 12.95 | 0.00 | -1.781 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 20:00:00 | 81 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | -3.021 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 20:15:00 | 82 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | -4.018 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 20:30:00 | 83 | 2625.0 | 372.5 | 0.0 | -372.5 | 14.19 | 0.00 | -3.354 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 20:45:00 | 84 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | -1.614 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 21:00:00 | 85 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | -4.350 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 21:15:00 | 86 | 2625.0 | 380.0 | 0.0 | -380.0 | 14.48 | 0.00 | -3.686 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 21:30:00 | 87 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | -1.614 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 21:45:00 | 88 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 0.000 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 22:00:00 | 89 | 2625.0 | 380.0 | 0.0 | -380.0 | 14.48 | 0.00 | -3.354 | 0.000000 |
| Shembal Pimpri 33kV | 12/01/2020 22:15:00 | 90 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | 4.350 | 457.856535 |
| Shembal Pimpri 33kV | 12/01/2020 22:30:00 | 91 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | 5.215 | 863.488902 |
| Shembal Pimpri 33kV | 12/01/2020 22:45:00 | 92 | 2625.0 | 372.5 | 0.0 | -372.5 | 14.19 | 0.00 | 3.022 | 83.965115 |
| Shembal Pimpri 33kV | 12/01/2020 23:00:00 | 93 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 3.022 | 181.443031 |

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| Shembal Pimpri 33kV | 12/01/2020 23:15:00 | 94 | 2625.0 | 375.0 | 0.0 | -375.0 | 14.29 | 0.00 | 2.152 | 184.352867 |
| Shembal Pimpri 33kV | 12/01/2020 23:30:00 | 95 | 2625.0 | 372.5 | 0.0 | -372.5 | 14.19 | 0.00 | 2.152 | 105.379913 |
| Shembal Pimpri 33kV | 12/01/2020 23:45:00 | 96 | 2625.0 | 367.5 | 0.0 | -367.5 | 14.0 | 0.00 | 2.152 | 119.455375 |
| Shirala 132kV | 06/01/2020 00:00:00 | 1 | 22087.5 | 7032.5 | 3678.16 | -3354.34 | 15.19 | 20.61 | 2.903 | 0.000000 |
| Shirala 132kV | 06/01/2020 00:15:00 | 2 | 22087.5 | 7065.0 | 4098.69 | -2966.31 | 13.43 | 0.00 | 0.000 | 0.000000 |
| Shirala 132kV | 06/01/2020 00:30:00 | 3 | 22087.5 | 7025.0 | 3687.19 | -3337.81 | 15.11 | 12.34 | 0.000 | 0.000000 |
| Shirala 132kV | 06/01/2020 00:45:00 | 4 | 22087.5 | 6790.0 | 3540.66 | -3249.34 | 14.71 | 0.00 | -0.984 | 0.000000 |
| Shirala 132kV | 06/01/2020 01:00:00 | 5 | 22087.5 | 6685.0 | 3890.91 | -2794.09 | 12.65 | 0.00 | -3.541 | 0.000000 |
| Shirala 132kV | 06/01/2020 01:15:00 | 6 | 22087.5 | 6615.0 | 4440.53 | -2174.47 | 9.84 | 0.00 | 3.222 | 52.204166 |
| Shirala 132kV | 06/01/2020 01:30:00 | 7 | 22087.5 | 6670.0 | 4613.62 | -2056.38 | 9.31 | 0.00 | 3.541 | 554.980648 |
| Shirala 132kV | 06/01/2020 01:45:00 | 8 | 22087.5 | 8315.0 | 4289.84 | -4025.16 | 18.22 | 356.02 | 2.352 | 0.000000 |
| Shirala 132kV | 06/01/2020 02:00:00 | 9 | 22087.5 | 8275.0 | 4346.91 | -3928.09 | 17.78 | 307.48 | 1.747 | 0.000000 |
| Shirala 132kV | 06/01/2020 02:15:00 | 10 | 22087.5 | 8040.0 | 4936.34 | -3103.66 | 14.05 | 0.00 | 0.581 | 0.000000 |
| Shirala 132kV | 06/01/2020 02:30:00 | 11 | 22087.5 | 7935.0 | 5529.59 | -2405.41 | 10.89 | 0.00 | -2.323 | 0.000000 |
| Shirala 132kV | 06/01/2020 02:45:00 | 12 | 22087.5 | 7865.0 | 6135.53 | -1729.47 | 7.83 | 0.00 | 2.323 | 0.000000 |
| Shirala 132kV | 06/01/2020 03:00:00 | 13 | 22087.5 | 7920.0 | 5988.53 | -1931.47 | 8.74 | 0.00 | 2.323 | 0.000000 |
| Shirala 132kV | 06/01/2020 03:15:00 | 14 | 22087.5 | 7962.5 | 5764.03 | -2198.47 | 9.95 | 0.00 | -1.742 | 0.000000 |
| Shirala 132kV | 06/01/2020 03:30:00 | 15 | 22087.5 | 1427.5 | 5732.66 | 4305.16 | 19.49 | 496.02 | 3.222 | 0.000000 |
| Shirala 132kV | 06/01/2020 03:45:00 | 16 | 22087.5 | 1432.5 | 5450.84 | 4018.34 | 18.19 | 352.61 | 3.541 | 0.000000 |
| Shirala 132kV | 06/01/2020 04:00:00 | 17 | 22087.5 | 1442.5 | 5140.63 | 3698.13 | 16.74 | 192.50 | 4.496 | 0.000000 |
| Shirala 132kV | 06/01/2020 04:15:00 | 18 | 22087.5 | 1450.0 | 4717.19 | 3267.19 | 14.79 | 0.00 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shirala 132kV | 06/01/2020 04:30:00 | 19 | 22087.5 | 1462.5 | 4724.94 | 3262.44 | 14.77 | 0.00 | 3.859 | 0.000000 |
| Shirala 132kV | 06/01/2020 04:45:00 | 20 | 22087.5 | 8040.0 | 5328.88 | -2711.12 | 12.27 | 0.00 | 4.815 | 0.000000 |
| Shirala 132kV | 06/01/2020 05:00:00 | 21 | 22087.5 | 8042.5 | 5581.06 | -2461.44 | 11.14 | 0.00 | 3.859 | 1079.540576 |
| Shirala 132kV | 06/01/2020 05:15:00 | 22 | 22087.5 | 8132.5 | 5213.97 | -2918.53 | 13.21 | 0.00 | 6.407 | 2310.845834 |
| Shirala 132kV | 06/01/2020 05:30:00 | 23 | 22087.5 | 8190.0 | 4672.94 | -3517.06 | 15.92 | 101.97 | 6.496 | 4122.588108 |
| Shirala 132kV | 06/01/2020 05:45:00 | 24 | 22087.5 | 8247.5 | 4380.16 | -3867.34 | 17.51 | 277.11 | 7.492 | 2449.770496 |
| Shirala 132kV | 06/01/2020 06:00:00 | 25 | 22087.5 | 8190.0 | 3714.66 | -4475.34 | 20.26 | 581.11 | -5.452 | 0.000000 |
| Shirala 132kV | 06/01/2020 06:15:00 | 26 | 22087.5 | 8247.5 | 3328.56 | -4918.94 | 22.27 | 802.91 | -6.089 | 0.000000 |
| Shirala 132kV | 06/01/2020 06:30:00 | 27 | 22087.5 | 8007.5 | 2967.66 | -5039.84 | 22.82 | 863.36 | -7.044 | 0.000000 |
| Shirala 132kV | 06/01/2020 06:45:00 | 28 | 22087.5 | 8155.0 | 2770.44 | -5384.56 | 24.38 | 1035.72 | 7.682 | 0.000000 |
| Shirala 132kV | 06/01/2020 07:00:00 | 29 | 22087.5 | 8095.0 | 2594.84 | -5500.16 | 24.9 | 1093.52 | -3.859 | 0.000000 |
| Shirala 132kV | 06/01/2020 07:15:00 | 30 | 22087.5 | 8185.0 | 2653.47 | -5531.53 | 25.04 | 1114.03 | 4.815 | 2746.504745 |
| Shirala 132kV | 06/01/2020 07:30:00 | 31 | 22087.5 | 8055.0 | 2446.69 | -5608.31 | 25.39 | 1190.81 | 4.178 | 0.000000 |
| Shirala 132kV | 06/01/2020 07:45:00 | 32 | 22087.5 | 8050.0 | 2639.16 | -5410.84 | 24.5 | 1048.86 | -3.540 | 0.000000 |
| Shirala 132kV | 06/01/2020 08:00:00 | 33 | 22087.5 | 5525.0 | 3655.97 | -1869.03 | 8.46 | 0.00 | -3.859 | 0.000000 |
| Shirala 132kV | 06/01/2020 08:15:00 | 34 | 22087.5 | 5290.0 | 3243.0 | -2047.0 | 9.27 | 0.00 | -5.452 | 0.000000 |
| Shirala 132kV | 06/01/2020 08:30:00 | 35 | 22087.5 | 5185.0 | 2800.25 | -2384.75 | 10.8 | 0.00 | 4.178 | 0.000000 |
| Shirala 132kV | 06/01/2020 08:45:00 | 36 | 22087.5 | 5115.0 | 2958.81 | -2156.19 | 9.76 | 0.00 | -3.859 | 0.000000 |
| Shirala 132kV | 06/01/2020 09:00:00 | 37 | 22087.5 | 6732.5 | 3113.25 | -3619.25 | 16.39 | 153.06 | -6.407 | 0.000000 |
| Shirala 132kV | 06/01/2020 09:15:00 | 38 | 22087.5 | 8187.5 | 3248.09 | -4939.41 | 22.36 | 813.14 | -8.000 | 0.000000 |
| Shirala 132kV | 06/01/2020 09:30:00 | 39 | 22087.5 | 3552.5 | 2937.97 | -614.53 | 2.78 | 0.00 | -5.770 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shirala 132kV | 06/01/2020 09:45:00 | 40 | 22087.5 | 312.5 | 2504.0 | 2191.5 | 9.92 | 0.00 | 3.222 | 0.000000 |
| Shirala 132kV | 06/01/2020 10:00:00 | 41 | 22087.5 | 3590.0 | 2324.41 | -1265.59 | 5.73 | 0.00 | -2.903 | 0.000000 |
| Shirala 132kV | 06/01/2020 10:15:00 | 42 | 22087.5 | 3307.5 | 2476.12 | -831.38 | 3.76 | 0.00 | -3.222 | 0.000000 |
| Shirala 132kV | 06/01/2020 10:30:00 | 43 | 22087.5 | 4590.0 | 2547.84 | -2042.16 | 9.25 | 0.00 | 4.815 | 0.000000 |
| Shirala 132kV | 06/01/2020 10:45:00 | 44 | 22087.5 | 4340.0 | 2120.41 | -2219.59 | 10.05 | 0.00 | 4.496 | 0.000000 |
| Shirala 132kV | 06/01/2020 11:00:00 | 45 | 22087.5 | 4280.0 | 1463.81 | -2816.19 | 12.75 | 0.00 | 16.000 | 0.000000 |
| Shirala 132kV | 06/01/2020 11:15:00 | 46 | 22087.5 | 4245.0 | 2020.66 | -2224.34 | 10.07 | 0.00 | 5.133 | 0.000000 |
| Shirala 132kV | 06/01/2020 11:30:00 | 47 | 22087.5 | 4030.0 | 2844.37 | -1185.63 | 5.37 | 0.00 | 1.182 | 0.000000 |
| Shirala 132kV | 06/01/2020 11:45:00 | 48 | 22087.5 | 3830.0 | 2412.44 | -1417.56 | 6.42 | 0.00 | 6.308 | 0.000000 |
| Shirala 132kV | 06/01/2020 12:00:00 | 49 | 22087.5 | 3245.0 | 2213.91 | -1031.09 | 4.67 | 0.00 | 6.598 | 0.000000 |
| Shirala 132kV | 06/01/2020 12:15:00 | 50 | 22087.5 | 3037.5 | 1836.22 | -1201.28 | 5.44 | 0.00 | 5.431 | 0.000000 |
| Shirala 132kV | 06/01/2020 12:30:00 | 51 | 22087.5 | 2995.0 | 1717.16 | -1277.84 | 5.79 | 0.00 | 3.540 | 0.000000 |
| Shirala 132kV | 06/01/2020 12:45:00 | 52 | 22087.5 | 2945.0 | 1805.41 | -1139.59 | 5.16 | 0.00 | -2.903 | 0.000000 |
| Shirala 132kV | 06/01/2020 13:00:00 | 53 | 22087.5 | 2840.0 | 1499.44 | -1340.56 | 6.07 | 0.00 | -1.161 | 0.000000 |
| Shirala 132kV | 06/01/2020 13:15:00 | 54 | 22087.5 | 2752.5 | 1517.09 | -1235.41 | 5.59 | 0.00 | 3.859 | 0.000000 |
| Shirala 132kV | 06/01/2020 13:30:00 | 55 | 22087.5 | 3340.0 | 1604.16 | -1735.84 | 7.86 | 0.00 | -6.407 | 0.000000 |
| Shirala 132kV | 06/01/2020 13:45:00 | 56 | 22087.5 | 3390.0 | 1779.81 | -1610.19 | 7.29 | 0.00 | 5.452 | 0.000000 |
| Shirala 132kV | 06/01/2020 14:00:00 | 57 | 22087.5 | 3355.0 | 1417.53 | -1937.47 | 8.77 | 0.00 | 5.452 | 0.000000 |
| Shirala 132kV | 06/01/2020 14:15:00 | 58 | 22087.5 | 3337.5 | 990.84 | -2346.66 | 10.62 | 0.00 | 16.000 | 0.000000 |
| Shirala 132kV | 06/01/2020 14:30:00 | 59 | 22087.5 | 3342.5 | 851.53 | -2490.97 | 11.28 | 0.00 | 6.035 | 0.000000 |
| Shirala 132kV | 06/01/2020 14:45:00 | 60 | 22087.5 | 3340.0 | 799.84 | -2540.16 | 11.5 | 0.00 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shirala 132kV | 06/01/2020 15:00:00 | 61 | 22087.5 | 2572.5 | 788.78 | -1783.72 | 8.08 | 0.00 | 3.367 | 0.000000 |
| Shirala 132kV | 06/01/2020 15:15:00 | 62 | 22087.5 | 2585.0 | 706.06 | -1878.94 | 8.51 | 0.00 | 3.904 | 0.000000 |
| Shirala 132kV | 06/01/2020 15:30:00 | 63 | 22087.5 | 2565.0 | 618.06 | -1946.94 | 8.81 | 0.00 | 4.482 | 0.000000 |
| Shirala 132kV | 06/01/2020 15:45:00 | 64 | 22087.5 | 2590.0 | 695.0 | -1895.0 | 8.58 | 0.00 | 4.225 | 0.000000 |
| Shirala 132kV | 06/01/2020 16:00:00 | 65 | 22087.5 | 2670.0 | 826.91 | -1843.09 | 8.34 | 0.00 | 2.895 | 0.000000 |
| Shirala 132kV | 06/01/2020 16:15:00 | 66 | 22087.5 | 2692.5 | 730.81 | -1961.69 | 8.88 | 0.00 | 6.089 | 0.000000 |
| Shirala 132kV | 06/01/2020 16:30:00 | 67 | 22087.5 | 2720.0 | 696.66 | -2023.34 | 9.16 | 0.00 | -8.000 | 0.000000 |
| Shirala 132kV | 06/01/2020 16:45:00 | 68 | 22087.5 | 2715.0 | 679.78 | -2035.22 | 9.21 | 0.00 | -4.178 | 0.000000 |
| Shirala 132kV | 06/01/2020 17:00:00 | 69 | 22087.5 | 2717.5 | 703.56 | -2013.94 | 9.12 | 0.00 | 1.742 | 0.000000 |
| Shirala 132kV | 06/01/2020 17:15:00 | 70 | 22087.5 | 2722.5 | 588.0 | -2134.5 | 9.66 | 0.00 | 2.903 | 0.000000 |
| Shirala 132kV | 06/01/2020 17:30:00 | 71 | 22087.5 | 2572.5 | 615.0 | -1957.5 | 8.86 | 0.00 | -4.178 | 0.000000 |
| Shirala 132kV | 06/01/2020 17:45:00 | 72 | 22087.5 | 2585.0 | 900.66 | -1684.34 | 7.63 | 0.00 | -2.323 | 0.000000 |
| Shirala 132kV | 06/01/2020 18:00:00 | 73 | 22087.5 | 2565.0 | 1323.88 | -1241.12 | 5.62 | 0.00 | -2.903 | 0.000000 |
| Shirala 132kV | 06/01/2020 18:15:00 | 74 | 22087.5 | 2590.0 | 1431.28 | -1158.72 | 5.25 | 0.00 | 1.161 | 301.336131 |
| Shirala 132kV | 06/01/2020 18:30:00 | 75 | 22087.5 | 2670.0 | 1653.12 | -1016.88 | 4.6 | 0.00 | 2.903 | 866.110936 |
| Shirala 132kV | 06/01/2020 18:45:00 | 76 | 22087.5 | 2692.5 | 1743.25 | -949.25 | 4.3 | 0.00 | 2.903 | 19.139938 |
| Shirala 132kV | 06/01/2020 19:00:00 | 77 | 22087.5 | 2720.0 | 1620.12 | -1099.88 | 4.98 | 0.00 | -1.161 | 0.000000 |
| Shirala 132kV | 06/01/2020 19:15:00 | 78 | 22087.5 | 2715.0 | 1711.94 | -1003.06 | 4.54 | 0.00 | -4.178 | 0.000000 |
| Shirala 132kV | 06/01/2020 19:30:00 | 79 | 22087.5 | 2717.5 | 1730.53 | -986.97 | 4.47 | 0.00 | -2.323 | 0.000000 |
| Shirala 132kV | 06/01/2020 19:45:00 | 80 | 22087.5 | 2722.5 | 1336.53 | -1385.97 | 6.27 | 0.00 | -4.178 | 0.000000 |
| Shirala 132kV | 06/01/2020 20:00:00 | 81 | 22087.5 | 2552.5 | 912.97 | -1639.53 | 7.42 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shirala 132kV | 06/01/2020 20:15:00 | 82 | 22087.5 | 2557.5 | 705.97 | -1851.53 | 8.38 | 0.00 | -5.770 | 0.000000 |
| Shirala 132kV | 06/01/2020 20:30:00 | 83 | 22087.5 | 2580.0 | 620.78 | -1959.22 | 8.87 | 0.00 | 5.770 | 266.949955 |
| Shirala 132kV | 06/01/2020 20:45:00 | 84 | 22087.5 | 2585.0 | 500.75 | -2084.25 | 9.44 | 0.00 | 4.178 | 861.948544 |
| Shirala 132kV | 06/01/2020 21:00:00 | 85 | 22087.5 | 2612.5 | 457.06 | -2155.44 | 9.76 | 0.00 | 3.222 | 471.561649 |
| Shirala 132kV | 06/01/2020 21:15:00 | 86 | 22087.5 | 2627.5 | 371.56 | -2255.94 | 10.21 | 0.00 | -1.742 | 0.000000 |
| Shirala 132kV | 06/01/2020 21:30:00 | 87 | 22087.5 | 2630.0 | 248.25 | -2381.75 | 10.78 | 0.00 | 0.000 | 0.000000 |
| Shirala 132kV | 06/01/2020 21:45:00 | 88 | 22087.5 | 2640.0 | 119.03 | -2520.97 | 11.41 | 0.00 | 1.161 | 0.000000 |
| Shirala 132kV | 06/01/2020 22:00:00 | 89 | 22087.5 | 2645.0 | 162.75 | -2482.25 | 11.24 | 0.00 | 4.815 | 1453.424598 |
| Shirala 132kV | 06/01/2020 22:15:00 | 90 | 22087.5 | 2610.0 | 325.88 | -2284.12 | 10.34 | 0.00 | 3.859 | 1379.839299 |
| Shirala 132kV | 06/01/2020 22:30:00 | 91 | 22087.5 | 2555.0 | 250.78 | -2304.22 | 10.43 | 0.00 | 1.742 | 0.000000 |
| Shirala 132kV | 06/01/2020 22:45:00 | 92 | 22087.5 | 2557.5 | 382.25 | -2175.25 | 9.85 | 0.00 | -2.323 | 0.000000 |
| Shirala 132kV | 06/01/2020 23:00:00 | 93 | 22087.5 | 2605.0 | 530.44 | -2074.56 | 9.39 | 0.00 | -2.903 | 0.000000 |
| Shirala 132kV | 06/01/2020 23:15:00 | 94 | 22087.5 | 2640.0 | 568.91 | -2071.09 | 9.38 | 0.00 | 2.323 | 0.000000 |
| Shirala 132kV | 06/01/2020 23:30:00 | 95 | 22087.5 | 2662.5 | 498.91 | -2163.59 | 9.8 | 0.00 | -3.222 | 0.000000 |
| Shirala 132kV | 06/01/2020 23:45:00 | 96 | 22087.5 | 2715.0 | 518.66 | -2196.34 | 9.94 | 0.00 | 2.323 | 0.000000 |
| Shirala 132kV | 07/01/2020 00:00:00 | 1 | 22087.5 | 2657.5 | 971.06 | -1686.44 | 7.64 | 0.00 | -0.549 | 0.000000 |
| Shirala 132kV | 07/01/2020 00:15:00 | 2 | 22087.5 | 2667.5 | 1127.88 | -1539.62 | 6.97 | 0.00 | -1.647 | 0.000000 |
| Shirala 132kV | 07/01/2020 00:30:00 | 3 | 22087.5 | 2622.5 | 1311.72 | -1310.78 | 5.93 | 0.00 | -3.073 | 0.000000 |
| Shirala 132kV | 07/01/2020 00:45:00 | 4 | 22087.5 | 2662.5 | 1138.78 | -1523.72 | 6.9 | 0.00 | -2.744 | 0.000000 |
| Shirala 132kV | 07/01/2020 01:00:00 | 5 | 22087.5 | 2660.0 | 1055.91 | -1604.09 | 7.26 | 0.00 | -4.058 | 0.000000 |
| Shirala 132kV | 07/01/2020 01:15:00 | 6 | 22087.5 | 2657.5 | 1112.12 | -1545.38 | 7.0 | 0.00 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shirala 132kV | 07/01/2020 01:30:00 | 7 | 22087.5 | 2667.5 | 996.31 | -1671.19 | 7.57 | 0.00 | -3.401 | 0.000000 |
| Shirala 132kV | 07/01/2020 01:45:00 | 8 | 22087.5 | 2622.5 | 1203.91 | -1418.59 | 6.42 | 0.00 | 3.730 | 0.000000 |
| Shirala 132kV | 07/01/2020 02:00:00 | 9 | 22087.5 | 2662.5 | 1574.22 | -1088.28 | 4.93 | 0.00 | 3.073 | 236.926678 |
| Shirala 132kV | 07/01/2020 02:15:00 | 10 | 22087.5 | 2660.0 | 1545.53 | -1114.47 | 5.05 | 0.00 | 3.073 | 108.493291 |
| Shirala 132kV | 07/01/2020 02:30:00 | 11 | 22087.5 | 2657.5 | 1632.5 | -1025.0 | 4.64 | 0.00 | 3.401 | 139.566113 |
| Shirala 132kV | 07/01/2020 02:45:00 | 12 | 22087.5 | 2667.5 | 1885.03 | -782.47 | 3.54 | 0.00 | 2.745 | 106.264378 |
| Shirala 132kV | 07/01/2020 03:00:00 | 13 | 22087.5 | 2622.5 | 1690.5 | -932.0 | 4.22 | 0.00 | 1.647 | 0.000000 |
| Shirala 132kV | 07/01/2020 03:15:00 | 14 | 22087.5 | 2662.5 | 1495.56 | -1166.94 | 5.28 | 0.00 | 2.196 | 74.862333 |
| Shirala 132kV | 07/01/2020 03:30:00 | 15 | 22087.5 | 2660.0 | 1670.12 | -989.88 | 4.48 | 0.00 | 1.647 | 84.486920 |
| Shirala 132kV | 07/01/2020 03:45:00 | 16 | 22087.5 | 2657.5 | 1588.28 | -1069.22 | 4.84 | 0.00 | 1.098 | 0.000000 |
| Shirala 132kV | 07/01/2020 04:00:00 | 17 | 22087.5 | 2667.5 | 1458.16 | -1209.34 | 5.48 | 0.00 | 1.647 | 442.860210 |
| Shirala 132kV | 07/01/2020 04:15:00 | 18 | 22087.5 | 2622.5 | 1418.44 | -1204.06 | 5.45 | 0.00 | 2.210 | 862.056557 |
| Shirala 132kV | 07/01/2020 04:30:00 | 19 | 22087.5 | 2662.5 | 1454.44 | -1208.06 | 5.47 | 0.00 | 3.730 | 1221.338767 |
| Shirala 132kV | 07/01/2020 04:45:00 | 20 | 22087.5 | 2660.0 | 1520.09 | -1139.91 | 5.16 | 0.00 | -1.098 | 0.000000 |
| Shirala 132kV | 07/01/2020 05:00:00 | 21 | 22087.5 | 2667.5 | 1564.91 | -1102.59 | 4.99 | 0.00 | -2.744 | 0.000000 |
| Shirala 132kV | 07/01/2020 05:15:00 | 22 | 22087.5 | 2622.5 | 1473.16 | -1149.34 | 5.2 | 0.00 | 3.730 | 590.437192 |
| Shirala 132kV | 07/01/2020 05:30:00 | 23 | 22087.5 | 2662.5 | 1047.22 | -1615.28 | 7.31 | 0.00 | 3.073 | 1864.195074 |
| Shirala 132kV | 07/01/2020 05:45:00 | 24 | 22087.5 | 2660.0 | 1352.06 | -1307.94 | 5.92 | 0.00 | 3.730 | 1172.646694 |
| Shirala 132kV | 07/01/2020 06:00:00 | 25 | 22087.5 | 2657.5 | 1990.09 | -667.41 | 3.02 | 0.00 | -5.372 | 0.000000 |
| Shirala 132kV | 07/01/2020 06:15:00 | 26 | 22087.5 | 2667.5 | 1665.31 | -1002.19 | 4.54 | 0.00 | 4.556 | 3339.395156 |
| Shirala 132kV | 07/01/2020 06:30:00 | 27 | 22087.5 | 2622.5 | 1235.25 | -1387.25 | 6.28 | 0.00 | 7.148 | 8003.307735 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shirala 132kV | 07/01/2020 06:45:00 | 28 | 22087.5 | 2662.5 | 1358.81 | -1303.69 | 5.9 | 0.00 | 7.821 | 6896.798216 |
| Shirala 132kV | 07/01/2020 07:00:00 | 29 | 22087.5 | 2660.0 | 1481.47 | -1178.53 | 5.34 | 0.00 | 5.372 | 3131.881820 |
| Shirala 132kV | 07/01/2020 07:15:00 | 30 | 22087.5 | 2657.5 | 1315.53 | -1341.97 | 6.08 | 0.00 | 16.000 | 0.000000 |
| Shirala 132kV | 07/01/2020 07:30:00 | 31 | 22087.5 | 2667.5 | 1051.22 | -1616.28 | 7.32 | 0.00 | 9.296 | 0.000000 |
| Shirala 132kV | 07/01/2020 07:45:00 | 32 | 22087.5 | 2622.5 | 957.66 | -1664.84 | 7.54 | 0.00 | 9.794 | 0.000000 |
| Shirala 132kV | 07/01/2020 08:00:00 | 33 | 22087.5 | 2667.5 | 1489.12 | -1178.38 | 5.34 | 0.00 | 3.593 | 0.000000 |
| Shirala 132kV | 07/01/2020 08:15:00 | 34 | 22087.5 | 2622.5 | 1174.75 | -1447.75 | 6.55 | 0.00 | 3.401 | 0.000000 |
| Shirala 132kV | 07/01/2020 08:30:00 | 35 | 22087.5 | 2662.5 | 668.31 | -1994.19 | 9.03 | 0.00 | 3.245 | 0.000000 |
| Shirala 132kV | 07/01/2020 08:45:00 | 36 | 22087.5 | 2660.0 | 662.25 | -1997.75 | 9.04 | 0.00 | 0.000 | 0.000000 |
| Shirala 132kV | 07/01/2020 09:00:00 | 37 | 22087.5 | 2657.5 | 572.47 | -2085.03 | 9.44 | 0.00 | 2.745 | 0.000000 |
| Shirala 132kV | 07/01/2020 09:15:00 | 38 | 22087.5 | 2667.5 | 595.38 | -2072.12 | 9.38 | 0.00 | 4.715 | 0.000000 |
| Shirala 132kV | 07/01/2020 09:30:00 | 39 | 22087.5 | 2622.5 | 501.78 | -2120.72 | 9.6 | 0.00 | 3.981 | 0.000000 |
| Shirala 132kV | 07/01/2020 09:45:00 | 40 | 22087.5 | 2662.5 | 286.72 | -2375.78 | 10.76 | 0.00 | 3.730 | 0.000000 |
| Shirala 132kV | 07/01/2020 10:00:00 | 41 | 22087.5 | 2660.0 | 146.78 | -2513.22 | 11.38 | 0.00 | 1.780 | 0.000000 |
| Shirala 132kV | 07/01/2020 10:15:00 | 42 | 22087.5 | 2657.5 | 132.25 | -2525.25 | 11.43 | 0.00 | 5.643 | 0.000000 |
| Shirala 132kV | 07/01/2020 10:30:00 | 43 | 22087.5 | 2667.5 | 109.78 | -2557.72 | 11.58 | 0.00 | 4.976 | 0.000000 |
| Shirala 132kV | 07/01/2020 10:45:00 | 44 | 22087.5 | 2622.5 | 133.69 | -2488.81 | 11.27 | 0.00 | 4.415 | 0.000000 |
| Shirala 132kV | 07/01/2020 11:00:00 | 45 | 22087.5 | 2667.5 | 169.81 | -2497.69 | 11.31 | 0.00 | 4.476 | 0.000000 |
| Shirala 132kV | 07/01/2020 11:15:00 | 46 | 22087.5 | 2622.5 | 130.91 | -2491.59 | 11.28 | 0.00 | 4.826 | 0.000000 |
| Shirala 132kV | 07/01/2020 11:30:00 | 47 | 22087.5 | 2662.5 | 241.88 | -2420.62 | 10.96 | 0.00 | 2.289 | 0.000000 |
| Shirala 132kV | 07/01/2020 11:45:00 | 48 | 22087.5 | 2660.0 | 333.16 | -2326.84 | 10.53 | 0.00 | -0.549 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shirala 132kV | 07/01/2020 12:00:00 | 49 | 22087.5 | 2657.5 | 231.56 | -2425.94 | 10.98 | 0.00 | 4.727 | 0.000000 |
| Shirala 132kV | 07/01/2020 12:15:00 | 50 | 22087.5 | 2667.5 | 96.69 | -2570.81 | 11.64 | 0.00 | 4.777 | 0.000000 |
| Shirala 132kV | 07/01/2020 12:30:00 | 51 | 22087.5 | 2622.5 | 68.91 | -2553.59 | 11.56 | 0.00 | 4.798 | 0.000000 |
| Shirala 132kV | 07/01/2020 12:45:00 | 52 | 22087.5 | 2662.5 | 44.56 | -2617.94 | 11.85 | 0.00 | -3.401 | 0.000000 |
| Shirala 132kV | 07/01/2020 13:00:00 | 53 | 22087.5 | 2660.0 | 22.12 | -2637.88 | 11.94 | 0.00 | -2.431 | 0.000000 |
| Shirala 132kV | 07/01/2020 13:15:00 | 54 | 22087.5 | 2657.5 | 21.0 | -2636.5 | 11.94 | 0.00 | -4.387 | 0.000000 |
| Shirala 132kV | 07/01/2020 13:30:00 | 55 | 22087.5 | 2667.5 | 16.78 | -2650.72 | 12.0 | 0.00 | -3.401 | 0.000000 |
| Shirala 132kV | 07/01/2020 13:45:00 | 56 | 22087.5 | 2622.5 | 7.56 | -2614.94 | 11.84 | 0.00 | -5.044 | 0.000000 |
| Shirala 132kV | 07/01/2020 14:00:00 | 57 | 22087.5 | 2620.0 | 20.06 | -2599.94 | 11.77 | 0.00 | 4.215 | 0.000000 |
| Shirala 132kV | 07/01/2020 14:15:00 | 58 | 22087.5 | 2640.0 | 26.66 | -2613.34 | 11.83 | 0.00 | 9.552 | 0.000000 |
| Shirala 132kV | 07/01/2020 14:30:00 | 59 | 22087.5 | 2645.0 | 20.5 | -2624.5 | 11.88 | 0.00 | 6.358 | 0.000000 |
| Shirala 132kV | 07/01/2020 14:45:00 | 60 | 22087.5 | 2590.0 | 8.81 | -2581.19 | 11.69 | 0.00 | 2.744 | 0.000000 |
| Shirala 132kV | 07/01/2020 15:00:00 | 61 | 22087.5 | 2572.5 | 33.78 | -2538.72 | 11.49 | 0.00 | -3.073 | 0.000000 |
| Shirala 132kV | 07/01/2020 15:15:00 | 62 | 22087.5 | 2585.0 | 123.81 | -2461.19 | 11.14 | 0.00 | -4.058 | 0.000000 |
| Shirala 132kV | 07/01/2020 15:30:00 | 63 | 22087.5 | 2565.0 | 251.12 | -2313.88 | 10.48 | 0.00 | -4.831 | 0.000000 |
| Shirala 132kV | 07/01/2020 15:45:00 | 64 | 22087.5 | 2590.0 | 320.78 | -2269.22 | 10.27 | 0.00 | -5.372 | 0.000000 |
| Shirala 132kV | 07/01/2020 16:00:00 | 65 | 22087.5 | 2670.0 | 333.62 | -2336.38 | 10.58 | 0.00 | 2.196 | 0.000000 |
| Shirala 132kV | 07/01/2020 16:15:00 | 66 | 22087.5 | 2692.5 | 761.72 | -1930.78 | 8.74 | 0.00 | -3.401 | 0.000000 |
| Shirala 132kV | 07/01/2020 16:30:00 | 67 | 22087.5 | 2720.0 | 1825.44 | -894.56 | 4.05 | 0.00 | 4.738 | 0.000000 |
| Shirala 132kV | 07/01/2020 16:45:00 | 68 | 22087.5 | 2715.0 | 1636.34 | -1078.66 | 4.88 | 0.00 | 7.343 | 0.000000 |
| Shirala 132kV | 07/01/2020 17:00:00 | 69 | 22087.5 | 2717.5 | 1660.84 | -1056.66 | 4.78 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shirala 132kV | 07/01/2020 17:15:00 | 70 | 22087.5 | 2722.5 | 1404.81 | -1317.69 | 5.97 | 0.00 | 2.744 | 219.192634 |
| Shirala 132kV | 07/01/2020 17:30:00 | 71 | 22087.5 | 2572.5 | 1579.31 | -993.19 | 4.5 | 0.00 | 3.401 | 65.579778 |
| Shirala 132kV | 07/01/2020 17:45:00 | 72 | 22087.5 | 2585.0 | 1583.59 | -1001.41 | 4.53 | 0.00 | -2.745 | 0.000000 |
| Shirala 132kV | 07/01/2020 18:00:00 | 73 | 22087.5 | 2565.0 | 1307.97 | -1257.03 | 5.69 | 0.00 | -3.073 | 0.000000 |
| Shirala 132kV | 07/01/2020 18:15:00 | 74 | 22087.5 | 2590.0 | 1400.97 | -1189.03 | 5.38 | 0.00 | -5.372 | 0.000000 |
| Shirala 132kV | 07/01/2020 18:30:00 | 75 | 22087.5 | 2670.0 | 1471.59 | -1198.41 | 5.43 | 0.00 | 3.401 | 0.000000 |
| Shirala 132kV | 07/01/2020 18:45:00 | 76 | 22087.5 | 2692.5 | 1740.44 | -952.06 | 4.31 | 0.00 | -3.401 | 0.000000 |
| Shirala 132kV | 07/01/2020 19:00:00 | 77 | 22087.5 | 2720.0 | 1959.84 | -760.16 | 3.44 | 0.00 | -3.730 | 0.000000 |
| Shirala 132kV | 07/01/2020 19:15:00 | 78 | 22087.5 | 2715.0 | 2122.81 | -592.19 | 2.68 | 0.00 | -4.715 | 0.000000 |
| Shirala 132kV | 07/01/2020 19:30:00 | 79 | 22087.5 | 5967.5 | 2012.47 | -3955.03 | 17.91 | 320.95 | -4.058 | 0.000000 |
| Shirala 132kV | 07/01/2020 19:45:00 | 80 | 22087.5 | 5972.5 | 2061.22 | -3911.28 | 17.71 | 299.08 | -2.210 | 0.000000 |
| Shirala 132kV | 07/01/2020 20:00:00 | 81 | 22087.5 | 6062.5 | 1710.38 | -4352.12 | 19.7 | 519.50 | -2.348 | 0.000000 |
| Shirala 132kV | 07/01/2020 20:15:00 | 82 | 22087.5 | 6170.0 | 1172.06 | -4997.94 | 22.63 | 842.41 | 4.387 | 7800.045010 |
| Shirala 132kV | 07/01/2020 20:30:00 | 83 | 22087.5 | 6255.0 | 1217.62 | -5037.38 | 22.81 | 862.13 | 3.816 | 10279.726215 |
| Shirala 132kV | 07/01/2020 20:45:00 | 84 | 22087.5 | 6337.5 | 1156.5 | -5181.0 | 23.46 | 933.94 | 3.401 | 2545.611988 |
| Shirala 132kV | 07/01/2020 21:00:00 | 85 | 22087.5 | 5080.0 | 934.72 | -4145.28 | 18.77 | 416.08 | -4.058 | 0.000000 |
| Shirala 132kV | 07/01/2020 21:15:00 | 86 | 22087.5 | 5105.0 | 895.72 | -4209.28 | 19.06 | 448.08 | 1.647 | 2231.066160 |
| Shirala 132kV | 07/01/2020 21:30:00 | 87 | 22087.5 | 5130.0 | 802.53 | -4327.47 | 19.59 | 507.17 | 2.196 | 1379.961005 |
| Shirala 132kV | 07/01/2020 21:45:00 | 88 | 22087.5 | 5140.0 | 826.66 | -4313.34 | 19.53 | 500.11 | -2.196 | 0.000000 |
| Shirala 132kV | 07/01/2020 22:00:00 | 89 | 22087.5 | 5145.0 | 957.53 | -4187.47 | 18.96 | 437.17 | -3.257 | 0.000000 |
| Shirala 132kV | 07/01/2020 22:15:00 | 90 | 22087.5 | 5110.0 | 980.44 | -4129.56 | 18.7 | 408.22 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shirala 132kV | 07/01/2020 22:30:00 | 91 | 22087.5 | 2805.0 | 924.62 | -1880.38 | 8.51 | 0.00 | -1.098 | 0.000000 |
| Shirala 132kV | 07/01/2020 22:45:00 | 92 | 22087.5 | 2807.5 | 817.31 | -1990.19 | 9.01 | 0.00 | -1.647 | 0.000000 |
| Shirala 132kV | 07/01/2020 23:00:00 | 93 | 22087.5 | 2855.0 | 683.22 | -2171.78 | 9.83 | 0.00 | -3.401 | 0.000000 |
| Shirala 132kV | 07/01/2020 23:15:00 | 94 | 22087.5 | 2890.0 | 522.09 | -2367.91 | 10.72 | 0.00 | 1.647 | 0.000000 |
| Shirala 132kV | 07/01/2020 23:30:00 | 95 | 22087.5 | 2912.5 | 440.44 | -2472.06 | 11.19 | 0.00 | -2.196 | 0.000000 |
| Shirala 132kV | 07/01/2020 23:45:00 | 96 | 22087.5 | 2965.0 | 475.53 | -2489.47 | 11.27 | 0.00 | -0.549 | 0.000000 |
| Shirala 132kV | 08/01/2020 00:00:00 | 1 | 22087.5 | 2907.5 | 545.94 | -2361.56 | 10.69 | 0.00 | -2.220 | 0.000000 |
| Shirala 132kV | 08/01/2020 00:15:00 | 2 | 22087.5 | 2917.5 | 532.16 | -2385.34 | 10.8 | 0.00 | -3.101 | 0.000000 |
| Shirala 132kV | 08/01/2020 00:30:00 | 3 | 22087.5 | 2872.5 | 532.62 | -2339.88 | 10.59 | 0.00 | -3.101 | 0.000000 |
| Shirala 132kV | 08/01/2020 00:45:00 | 4 | 22087.5 | 2912.5 | 458.12 | -2454.38 | 11.11 | 0.00 | -2.424 | 0.000000 |
| Shirala 132kV | 08/01/2020 01:00:00 | 5 | 22087.5 | 2910.0 | 333.72 | -2576.28 | 11.66 | 0.00 | -2.170 | 0.000000 |
| Shirala 132kV | 08/01/2020 01:15:00 | 6 | 22087.5 | 2907.5 | 212.88 | -2694.62 | 12.2 | 0.00 | -1.761 | 0.000000 |
| Shirala 132kV | 08/01/2020 01:30:00 | 7 | 22087.5 | 2917.5 | 185.81 | -2731.69 | 12.37 | 0.00 | -1.665 | 0.000000 |
| Shirala 132kV | 08/01/2020 01:45:00 | 8 | 22087.5 | 2872.5 | 169.34 | -2703.16 | 12.24 | 0.00 | -1.665 | 0.000000 |
| Shirala 132kV | 08/01/2020 02:00:00 | 9 | 22087.5 | 2912.5 | 122.41 | -2790.09 | 12.63 | 0.00 | -1.110 | 0.000000 |
| Shirala 132kV | 08/01/2020 02:15:00 | 10 | 22087.5 | 2910.0 | 97.0 | -2813.0 | 12.74 | 0.00 | -1.347 | 0.000000 |
| Shirala 132kV | 08/01/2020 02:30:00 | 11 | 22087.5 | 2907.5 | 183.84 | -2723.66 | 12.33 | 0.00 | -3.101 | 0.000000 |
| Shirala 132kV | 08/01/2020 02:45:00 | 12 | 22087.5 | 2917.5 | 170.12 | -2747.38 | 12.44 | 0.00 | -2.220 | 0.000000 |
| Shirala 132kV | 08/01/2020 03:00:00 | 13 | 22087.5 | 2872.5 | 30.78 | -2841.72 | 12.87 | 0.00 | -3.428 | 0.000000 |
| Shirala 132kV | 08/01/2020 03:15:00 | 14 | 22087.5 | 2907.5 | 1.0 | -2906.5 | 13.16 | 0.00 | -2.220 | 0.000000 |
| Shirala 132kV | 08/01/2020 03:30:00 | 15 | 22087.5 | 2917.5 | 2.0 | -2915.5 | 13.2 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shirala 132kV | 08/01/2020 03:45:00 | 16 | 22087.5 | 2872.5 | 13.25 | -2859.25 | 12.95 | 0.00 | -2.775 | 0.000000 |
| Shirala 132kV | 08/01/2020 04:00:00 | 17 | 22087.5 | 2912.5 | 2.78 | -2909.72 | 13.17 | 0.00 | -3.101 | 0.000000 |
| Shirala 132kV | 08/01/2020 04:15:00 | 18 | 22087.5 | 2910.0 | 95.19 | -2814.81 | 12.74 | 0.00 | -1.665 | 0.000000 |
| Shirala 132kV | 08/01/2020 04:30:00 | 19 | 22087.5 | 2907.5 | 209.38 | -2698.12 | 12.22 | 0.00 | -2.220 | 0.000000 |
| Shirala 132kV | 08/01/2020 04:45:00 | 20 | 22087.5 | 2917.5 | 139.91 | -2777.59 | 12.58 | 0.00 | -2.775 | 0.000000 |
| Shirala 132kV | 08/01/2020 05:00:00 | 21 | 22087.5 | 2872.5 | 190.47 | -2682.03 | 12.14 | 0.00 | -1.110 | 0.000000 |
| Shirala 132kV | 08/01/2020 05:15:00 | 22 | 22087.5 | 2912.5 | 352.88 | -2559.62 | 11.59 | 0.00 | 2.775 | 123.343112 |
| Shirala 132kV | 08/01/2020 05:30:00 | 23 | 22087.5 | 2910.0 | 292.34 | -2617.66 | 11.85 | 0.00 | -3.428 | 0.000000 |
| Shirala 132kV | 08/01/2020 05:45:00 | 24 | 22087.5 | 2907.5 | 208.78 | -2698.72 | 12.22 | 0.00 | -2.775 | 0.000000 |
| Shirala 132kV | 08/01/2020 06:00:00 | 25 | 22087.5 | 2917.5 | 224.5 | -2693.0 | 12.19 | 0.00 | -2.220 | 0.000000 |
| Shirala 132kV | 08/01/2020 06:15:00 | 26 | 22087.5 | 2872.5 | 188.44 | -2684.06 | 12.15 | 0.00 | 2.220 | 549.547671 |
| Shirala 132kV | 08/01/2020 06:30:00 | 27 | 22087.5 | 2907.5 | 211.28 | -2696.22 | 12.21 | 0.00 | 5.387 | 4853.094509 |
| Shirala 132kV | 08/01/2020 06:45:00 | 28 | 22087.5 | 2917.5 | 291.69 | -2625.81 | 11.89 | 0.00 | -4.734 | 0.000000 |
| Shirala 132kV | 08/01/2020 07:00:00 | 29 | 22087.5 | 2872.5 | 323.72 | -2548.78 | 11.54 | 0.00 | -4.407 | 0.000000 |
| Shirala 132kV | 08/01/2020 07:15:00 | 30 | 22087.5 | 2912.5 | 311.47 | -2601.03 | 11.78 | 0.00 | 5.061 | 4584.532837 |
| Shirala 132kV | 08/01/2020 07:30:00 | 31 | 22087.5 | 2910.0 | 266.31 | -2643.69 | 11.97 | 0.00 | 5.714 | 4458.583847 |
| Shirala 132kV | 08/01/2020 07:45:00 | 32 | 22087.5 | 2907.5 | 246.84 | -2660.66 | 12.05 | 0.00 | 5.061 | 1764.109084 |
| Shirala 132kV | 08/01/2020 08:00:00 | 33 | 22087.5 | 2917.5 | 71.16 | -2846.34 | 12.89 | 0.00 | 2.775 | 0.000000 |
| Shirala 132kV | 08/01/2020 08:15:00 | 34 | 22087.5 | 2872.5 | 43.56 | -2828.94 | 12.81 | 0.00 | 2.775 | 0.000000 |
| Shirala 132kV | 08/01/2020 08:30:00 | 35 | 22087.5 | 2912.5 | 29.97 | -2882.53 | 13.05 | 0.00 | 5.387 | 0.000000 |
| Shirala 132kV | 08/01/2020 08:45:00 | 36 | 22087.5 | 2910.0 | 40.06 | -2869.94 | 12.99 | 0.00 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shirala 132kV | 08/01/2020 09:00:00 | 37 | 22087.5 | 2907.5 | 2.56 | -2904.94 | 13.15 | 0.00 | 7.673 | 0.000000 |
| Shirala 132kV | 08/01/2020 09:15:00 | 38 | 22087.5 | 2917.5 | 0.0 | -2917.5 | 13.21 | 0.00 | 7.673 | 0.000000 |
| Shirala 132kV | 08/01/2020 09:30:00 | 39 | 22087.5 | 2872.5 | 0.0 | -2872.5 | 13.01 | 0.00 | 3.101 | 0.000000 |
| Shirala 132kV | 08/01/2020 09:45:00 | 40 | 22087.5 | 2870.0 | 0.0 | -2870.0 | 12.99 | 0.00 | -3.101 | 0.000000 |
| Shirala 132kV | 08/01/2020 10:00:00 | 41 | 22087.5 | 2880.0 | 11.0 | -2869.0 | 12.99 | 0.00 | -3.101 | 0.000000 |
| Shirala 132kV | 08/01/2020 10:15:00 | 42 | 22087.5 | 2885.0 | 75.0 | -2810.0 | 12.72 | 0.00 | -3.101 | 0.000000 |
| Shirala 132kV | 08/01/2020 10:30:00 | 43 | 22087.5 | 2890.0 | 260.78 | -2629.22 | 11.9 | 0.00 | -1.665 | 0.000000 |
| Shirala 132kV | 08/01/2020 10:45:00 | 44 | 22087.5 | 2895.0 | 282.34 | -2612.66 | 11.83 | 0.00 | 0.000 | 0.000000 |
| Shirala 132kV | 08/01/2020 11:00:00 | 45 | 22087.5 | 2897.5 | 234.12 | -2663.38 | 12.06 | 0.00 | -1.486 | 0.000000 |
| Shirala 132kV | 08/01/2020 11:15:00 | 46 | 22087.5 | 2905.0 | 443.0 | -2462.0 | 11.15 | 0.00 | -1.305 | 0.000000 |
| Shirala 132kV | 08/01/2020 11:30:00 | 47 | 22087.5 | 2910.0 | 656.0 | -2254.0 | 10.2 | 0.00 | -2.425 | 0.000000 |
| Shirala 132kV | 08/01/2020 11:45:00 | 48 | 22087.5 | 2915.0 | 764.0 | -2151.0 | 9.74 | 0.00 | -2.775 | 0.000000 |
| Shirala 132kV | 08/01/2020 12:00:00 | 49 | 22087.5 | 2917.5 | 595.0 | -2322.5 | 10.51 | 0.00 | -2.083 | 0.000000 |
| Shirala 132kV | 08/01/2020 12:15:00 | 50 | 22087.5 | 2920.0 | 274.0 | -2646.0 | 11.98 | 0.00 | -3.242 | 0.000000 |
| Shirala 132kV | 08/01/2020 12:30:00 | 51 | 22087.5 | 2995.0 | 142.0 | -2853.0 | 12.92 | 0.00 | -1.330 | 0.000000 |
| Shirala 132kV | 08/01/2020 12:45:00 | 52 | 22087.5 | 2945.0 | 190.0 | -2755.0 | 12.47 | 0.00 | -0.830 | 0.000000 |
| Shirala 132kV | 08/01/2020 13:00:00 | 53 | 22087.5 | 2840.0 | 484.0 | -2356.0 | 10.67 | 0.00 | 2.775 | 0.000000 |
| Shirala 132kV | 08/01/2020 13:15:00 | 54 | 22087.5 | 2752.5 | 1229.0 | -1523.5 | 6.9 | 0.00 | 0.000 | 0.000000 |
| Shirala 132kV | 08/01/2020 13:30:00 | 55 | 22087.5 | 3340.0 | 1206.0 | -2134.0 | 9.66 | 0.00 | -1.012 | 0.000000 |
| Shirala 132kV | 08/01/2020 13:45:00 | 56 | 22087.5 | 3390.0 | 1228.0 | -2162.0 | 9.79 | 0.00 | -1.087 | 0.000000 |
| Shirala 132kV | 08/01/2020 14:00:00 | 57 | 22087.5 | 3355.0 | 1302.0 | -2053.0 | 9.29 | 0.00 | -3.101 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shirala 132kV | 08/01/2020 14:15:00 | 58 | 22087.5 | 3337.5 | 1315.41 | -2022.09 | 9.15 | 0.00 | -4.081 | 0.000000 |
| Shirala 132kV | 08/01/2020 14:30:00 | 59 | 22087.5 | 3342.5 | 1684.38 | -1658.12 | 7.51 | 0.00 | -2.996 | 0.000000 |
| Shirala 132kV | 08/01/2020 14:45:00 | 60 | 22087.5 | 3340.0 | 1587.41 | -1752.59 | 7.93 | 0.00 | -3.101 | 0.000000 |
| Shirala 132kV | 08/01/2020 15:00:00 | 61 | 22087.5 | 3072.5 | 1837.16 | -1235.34 | 5.59 | 0.00 | -1.879 | 0.000000 |
| Shirala 132kV | 08/01/2020 15:15:00 | 62 | 22087.5 | 3085.0 | 1824.34 | -1260.66 | 5.71 | 0.00 | -4.081 | 0.000000 |
| Shirala 132kV | 08/01/2020 15:30:00 | 63 | 22087.5 | 3065.0 | 1893.44 | -1171.56 | 5.3 | 0.00 | 4.938 | 0.000000 |
| Shirala 132kV | 08/01/2020 15:45:00 | 64 | 22087.5 | 3090.0 | 1945.19 | -1144.81 | 5.18 | 0.00 | 4.719 | 0.000000 |
| Shirala 132kV | 08/01/2020 16:00:00 | 65 | 22087.5 | 3170.0 | 1842.59 | -1327.41 | 6.01 | 0.00 | 0.555 | 0.000000 |
| Shirala 132kV | 08/01/2020 16:15:00 | 66 | 22087.5 | 3192.5 | 2051.91 | -1140.59 | 5.16 | 0.00 | -4.081 | 0.000000 |
| Shirala 132kV | 08/01/2020 16:30:00 | 67 | 22087.5 | 3220.0 | 1744.94 | -1475.06 | 6.68 | 0.00 | -3.754 | 0.000000 |
| Shirala 132kV | 08/01/2020 16:45:00 | 68 | 22087.5 | 3215.0 | 1470.56 | -1744.44 | 7.9 | 0.00 | -8.000 | 0.000000 |
| Shirala 132kV | 08/01/2020 17:00:00 | 69 | 22087.5 | 4690.0 | 1271.28 | -3418.72 | 15.48 | 52.80 | 0.000 | 0.000000 |
| Shirala 132kV | 08/01/2020 17:15:00 | 70 | 22087.5 | 4695.0 | 1098.28 | -3596.72 | 16.28 | 141.80 | 4.081 | 689.942182 |
| Shirala 132kV | 08/01/2020 17:30:00 | 71 | 22087.5 | 4802.5 | 1138.84 | -3663.66 | 16.59 | 175.27 | -5.387 | 0.000000 |
| Shirala 132kV | 08/01/2020 17:45:00 | 72 | 22087.5 | 4807.5 | 700.41 | -4107.09 | 18.59 | 396.98 | -3.101 | 0.000000 |
| Shirala 132kV | 08/01/2020 18:00:00 | 73 | 22087.5 | 4810.0 | 906.25 | -3903.75 | 17.67 | 295.31 | -2.775 | 0.000000 |
| Shirala 132kV | 08/01/2020 18:15:00 | 74 | 22087.5 | 4775.0 | 1311.44 | -3463.56 | 15.68 | 75.22 | -3.101 | 0.000000 |
| Shirala 132kV | 08/01/2020 18:30:00 | 75 | 22087.5 | 4620.0 | 1413.06 | -3206.94 | 14.52 | 0.00 | -2.220 | 0.000000 |
| Shirala 132kV | 08/01/2020 18:45:00 | 76 | 22087.5 | 4385.0 | 1300.97 | -3084.03 | 13.96 | 0.00 | 2.220 | 2431.062330 |
| Shirala 132kV | 08/01/2020 19:00:00 | 77 | 22087.5 | 3970.0 | 1415.53 | -2554.47 | 11.57 | 0.00 | 1.110 | 0.000000 |
| Shirala 132kV | 08/01/2020 19:15:00 | 78 | 22087.5 | 3740.0 | 1494.0 | -2246.0 | 10.17 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shirala 132kV | 08/01/2020 19:30:00 | 79 | 22087.5 | 3492.5 | 1104.75 | -2387.75 | 10.81 | 0.00 | -2.220 | 0.000000 |
| Shirala 132kV | 08/01/2020 19:45:00 | 80 | 22087.5 | 3280.0 | 725.72 | -2554.28 | 11.56 | 0.00 | -0.555 | 0.000000 |
| Shirala 132kV | 08/01/2020 20:00:00 | 81 | 22087.5 | 3090.0 | 546.97 | -2543.03 | 11.51 | 0.00 | 2.775 | 0.000000 |
| Shirala 132kV | 08/01/2020 20:15:00 | 82 | 22087.5 | 2877.5 | 701.06 | -2176.44 | 9.85 | 0.00 | 3.101 | 3639.185010 |
| Shirala 132kV | 08/01/2020 20:30:00 | 83 | 22087.5 | 2905.0 | 838.25 | -2066.75 | 9.36 | 0.00 | 4.408 | 4681.620353 |
| Shirala 132kV | 08/01/2020 20:45:00 | 84 | 22087.5 | 2927.5 | 951.66 | -1975.84 | 8.95 | 0.00 | 3.101 | 1292.989554 |
| Shirala 132kV | 08/01/2020 21:00:00 | 85 | 22087.5 | 4312.5 | 684.69 | -3627.81 | 16.42 | 157.34 | 3.101 | 0.000000 |
| Shirala 132kV | 08/01/2020 21:15:00 | 86 | 22087.5 | 4210.0 | 482.91 | -3727.09 | 16.87 | 206.98 | -0.555 | 0.000000 |
| Shirala 132kV | 08/01/2020 21:30:00 | 87 | 22087.5 | 4462.5 | 466.78 | -3995.72 | 18.09 | 341.30 | -1.110 | 0.000000 |
| Shirala 132kV | 08/01/2020 21:45:00 | 88 | 22087.5 | 4372.5 | 518.53 | -3853.97 | 17.45 | 270.42 | -1.110 | 0.000000 |
| Shirala 132kV | 08/01/2020 22:00:00 | 89 | 22087.5 | 8780.0 | 460.25 | -8319.75 | 37.67 | 4196.82 | -2.489 | 0.000000 |
| Shirala 132kV | 08/01/2020 22:15:00 | 90 | 22087.5 | 8280.0 | 397.59 | -7882.41 | 35.69 | 3540.81 | -2.775 | 0.000000 |
| Shirala 132kV | 08/01/2020 22:30:00 | 91 | 22087.5 | 8025.0 | 456.28 | -7568.72 | 34.27 | 3151.22 | -2.223 | 0.000000 |
| Shirala 132kV | 08/01/2020 22:45:00 | 92 | 22087.5 | 7530.0 | 470.16 | -7059.84 | 31.96 | 2642.34 | 1.110 | 0.000000 |
| Shirala 132kV | 08/01/2020 23:00:00 | 93 | 22087.5 | 7807.5 | 588.5 | -7219.0 | 32.68 | 2801.50 | 1.110 | 770.707670 |
| Shirala 132kV | 08/01/2020 23:15:00 | 94 | 22087.5 | 7812.5 | 428.69 | -7383.81 | 33.43 | 2966.31 | 1.110 | 0.000000 |
| Shirala 132kV | 08/01/2020 23:30:00 | 95 | 22087.5 | 7812.5 | 644.81 | -7167.69 | 32.45 | 2750.19 | 2.775 | 65.158025 |
| Shirala 132kV | 08/01/2020 23:45:00 | 96 | 22087.5 | 7937.5 | 872.41 | -7065.09 | 31.99 | 2647.59 | 0.000 | 0.000000 |
| Shirala 132kV | 09/01/2020 00:00:00 | 1 | 22087.5 | 3225.0 | 808.0 | -2417.0 | 10.94 | 0.00 | -0.576 | 0.000000 |
| Shirala 132kV | 09/01/2020 00:15:00 | 2 | 22087.5 | 3115.0 | 703.31 | -2411.69 | 10.92 | 0.00 | -1.727 | 0.000000 |
| Shirala 132kV | 09/01/2020 00:30:00 | 3 | 22087.5 | 3050.0 | 567.38 | -2482.62 | 11.24 | 0.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shirala 132kV | 09/01/2020 00:45:00 | 4 | 22087.5 | 3050.0 | 650.34 | -2399.66 | 10.86 | 0.00 | -2.879 | 0.000000 |
| Shirala 132kV | 09/01/2020 01:00:00 | 5 | 22087.5 | 3127.5 | 583.41 | -2544.09 | 11.52 | 0.00 | -3.519 | 0.000000 |
| Shirala 132kV | 09/01/2020 01:15:00 | 6 | 22087.5 | 3115.0 | 619.09 | -2495.91 | 11.3 | 0.00 | -3.519 | 0.000000 |
| Shirala 132kV | 09/01/2020 01:30:00 | 7 | 22087.5 | 3382.5 | 645.22 | -2737.28 | 12.39 | 0.00 | -3.199 | 0.000000 |
| Shirala 132kV | 09/01/2020 01:45:00 | 8 | 22087.5 | 3385.0 | 631.06 | -2753.94 | 12.47 | 0.00 | 3.519 | 669.173079 |
| Shirala 132kV | 09/01/2020 02:00:00 | 9 | 22087.5 | 3345.0 | 526.31 | -2818.69 | 12.76 | 0.00 | 3.519 | 3103.118235 |
| Shirala 132kV | 09/01/2020 02:15:00 | 10 | 22087.5 | 3335.0 | 293.38 | -3041.62 | 13.77 | 0.00 | 2.879 | 1468.607607 |
| Shirala 132kV | 09/01/2020 02:30:00 | 11 | 22087.5 | 3475.0 | 260.84 | -3214.16 | 14.55 | 0.00 | 3.199 | 2232.835783 |
| Shirala 132kV | 09/01/2020 02:45:00 | 12 | 22087.5 | 3365.0 | 153.19 | -3211.81 | 14.54 | 0.00 | 1.152 | 0.000000 |
| Shirala 132kV | 09/01/2020 03:00:00 | 13 | 22087.5 | 3162.5 | 194.38 | -2968.12 | 13.44 | 0.00 | -2.879 | 0.000000 |
| Shirala 132kV | 09/01/2020 03:15:00 | 14 | 22087.5 | 3130.0 | 184.03 | -2945.97 | 13.34 | 0.00 | -3.839 | 0.000000 |
| Shirala 132kV | 09/01/2020 03:30:00 | 15 | 22087.5 | 3080.0 | 257.06 | -2822.94 | 12.78 | 0.00 | 3.199 | 0.000000 |
| Shirala 132kV | 09/01/2020 03:45:00 | 16 | 22087.5 | 3090.0 | 185.03 | -2904.97 | 13.15 | 0.00 | 0.000 | 0.000000 |
| Shirala 132kV | 09/01/2020 04:00:00 | 17 | 22087.5 | 2912.5 | 51.81 | -2860.69 | 12.95 | 0.00 | 1.727 | 0.000000 |
| Shirala 132kV | 09/01/2020 04:15:00 | 18 | 22087.5 | 2880.0 | 70.47 | -2809.53 | 12.72 | 0.00 | 1.727 | 0.000000 |
| Shirala 132kV | 09/01/2020 04:30:00 | 19 | 22087.5 | 2710.0 | 189.62 | -2520.38 | 11.41 | 0.00 | 1.727 | 0.000000 |
| Shirala 132kV | 09/01/2020 04:45:00 | 20 | 22087.5 | 2640.0 | 284.38 | -2355.62 | 10.66 | 0.00 | 2.879 | 2030.096997 |
| Shirala 132kV | 09/01/2020 05:00:00 | 21 | 22087.5 | 2572.5 | 189.09 | -2383.41 | 10.79 | 0.00 | 3.839 | 1189.747545 |
| Shirala 132kV | 09/01/2020 05:15:00 | 22 | 22087.5 | 2585.0 | 183.28 | -2401.72 | 10.87 | 0.00 | 5.119 | 3390.034504 |
| Shirala 132kV | 09/01/2020 05:30:00 | 23 | 22087.5 | 2565.0 | 99.41 | -2465.59 | 11.16 | 0.00 | 4.064 | 6342.493261 |
| Shirala 132kV | 09/01/2020 05:45:00 | 24 | 22087.5 | 2590.0 | 31.84 | -2558.16 | 11.58 | 0.00 | 1.152 | 18.047414 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shirala 132kV | 09/01/2020 06:00:00 | 25 | 22087.5 | 2670.0 | 1.56 | -2668.44 | 12.08 | 0.00 | -2.303 | 0.000000 |
| Shirala 132kV | 09/01/2020 06:15:00 | 26 | 22087.5 | 2692.5 | 0.0 | -2692.5 | 12.19 | 0.00 | 2.303 | 1790.913918 |
| Shirala 132kV | 09/01/2020 06:30:00 | 27 | 22087.5 | 2720.0 | 0.0 | -2720.0 | 12.31 | 0.00 | -3.839 | 0.000000 |
| Shirala 132kV | 09/01/2020 06:45:00 | 28 | 22087.5 | 2715.0 | 0.0 | -2715.0 | 12.29 | 0.00 | -2.879 | 0.000000 |
| Shirala 132kV | 09/01/2020 07:00:00 | 29 | 22087.5 | 2717.5 | 0.0 | -2717.5 | 12.3 | 0.00 | -2.879 | 0.000000 |
| Shirala 132kV | 09/01/2020 07:15:00 | 30 | 22087.5 | 2722.5 | 0.0 | -2722.5 | 12.33 | 0.00 | 6.400 | 1354.462062 |
| Shirala 132kV | 09/01/2020 07:30:00 | 31 | 22087.5 | 2572.5 | 0.0 | -2572.5 | 11.65 | 0.00 | 1.172 | 0.000000 |
| Shirala 132kV | 09/01/2020 07:45:00 | 32 | 22087.5 | 2585.0 | 80.0 | -2505.0 | 11.34 | 0.00 | 0.576 | 0.000000 |
| Shirala 132kV | 09/01/2020 08:00:00 | 33 | 22087.5 | 2565.0 | 413.81 | -2151.19 | 9.74 | 0.00 | -0.576 | 0.000000 |
| Shirala 132kV | 09/01/2020 08:15:00 | 34 | 22087.5 | 2590.0 | 401.91 | -2188.09 | 9.91 | 0.00 | -1.152 | 0.000000 |
| Shirala 132kV | 09/01/2020 08:30:00 | 35 | 22087.5 | 2670.0 | 129.0 | -2541.0 | 11.5 | 0.00 | 0.576 | 0.000000 |
| Shirala 132kV | 09/01/2020 08:45:00 | 36 | 22087.5 | 2692.5 | 32.12 | -2660.38 | 12.04 | 0.00 | 0.000 | 0.000000 |
| Shirala 132kV | 09/01/2020 09:00:00 | 37 | 22087.5 | 2720.0 | 18.78 | -2701.22 | 12.23 | 0.00 | 1.152 | 0.000000 |
| Shirala 132kV | 09/01/2020 09:15:00 | 38 | 22087.5 | 2715.0 | 12.0 | -2703.0 | 12.24 | 0.00 | 1.727 | 0.000000 |
| Shirala 132kV | 09/01/2020 09:30:00 | 39 | 22087.5 | 2717.5 | 20.12 | -2697.38 | 12.21 | 0.00 | -3.839 | 0.000000 |
| Shirala 132kV | 09/01/2020 09:45:00 | 40 | 22087.5 | 2722.5 | 66.0 | -2656.5 | 12.03 | 0.00 | -1.152 | 0.000000 |
| Shirala 132kV | 09/01/2020 10:00:00 | 41 | 22087.5 | 2552.5 | 95.0 | -2457.5 | 11.13 | 0.00 | 0.000 | 0.000000 |
| Shirala 132kV | 09/01/2020 10:15:00 | 42 | 22087.5 | 2557.5 | 46.0 | -2511.5 | 11.37 | 0.00 | 1.727 | 0.000000 |
| Shirala 132kV | 09/01/2020 10:30:00 | 43 | 22087.5 | 2580.0 | 11.0 | -2569.0 | 11.63 | 0.00 | 2.303 | 0.000000 |
| Shirala 132kV | 09/01/2020 10:45:00 | 44 | 22087.5 | 2585.0 | 10.0 | -2575.0 | 11.66 | 0.00 | -1.144 | 0.000000 |
| Shirala 132kV | 09/01/2020 11:00:00 | 45 | 22087.5 | 2612.5 | 6.0 | -2606.5 | 11.8 | 0.00 | -4.479 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shirala 132kV | 09/01/2020 11:15:00 | 46 | 22087.5 | 2627.5 | 13.0 | -2614.5 | 11.84 | 0.00 | -3.519 | 0.000000 |
| Shirala 132kV | 09/01/2020 11:30:00 | 47 | 22087.5 | 2630.0 | 4.0 | -2626.0 | 11.89 | 0.00 | -2.303 | 0.000000 |
| Shirala 132kV | 09/01/2020 11:45:00 | 48 | 22087.5 | 2640.0 | 1.0 | -2639.0 | 11.95 | 0.00 | -0.576 | 0.000000 |
| Shirala 132kV | 09/01/2020 12:00:00 | 49 | 22087.5 | 2645.0 | 0.0 | -2645.0 | 11.98 | 0.00 | 0.000 | 0.000000 |
| Shirala 132kV | 09/01/2020 12:15:00 | 50 | 22087.5 | 2610.0 | 0.0 | -2610.0 | 11.82 | 0.00 | 3.839 | 0.000000 |
| Shirala 132kV | 09/01/2020 12:30:00 | 51 | 22087.5 | 2555.0 | 3.0 | -2552.0 | 11.55 | 0.00 | 3.199 | 0.000000 |
| Shirala 132kV | 09/01/2020 12:45:00 | 52 | 22087.5 | 2557.5 | 2.78 | -2554.72 | 11.57 | 0.00 | 3.199 | 0.000000 |
| Shirala 132kV | 09/01/2020 13:00:00 | 53 | 22087.5 | 2605.0 | 17.19 | -2587.81 | 11.72 | 0.00 | -1.152 | 0.000000 |
| Shirala 132kV | 09/01/2020 13:15:00 | 54 | 22087.5 | 2640.0 | 62.84 | -2577.16 | 11.67 | 0.00 | -1.152 | 0.000000 |
| Shirala 132kV | 09/01/2020 13:30:00 | 55 | 22087.5 | 2662.5 | 96.84 | -2565.66 | 11.62 | 0.00 | 1.727 | 0.000000 |
| Shirala 132kV | 09/01/2020 13:45:00 | 56 | 22087.5 | 2715.0 | 53.31 | -2661.69 | 12.05 | 0.00 | 3.199 | 0.000000 |
| Shirala 132kV | 09/01/2020 14:00:00 | 57 | 22087.5 | 2572.5 | 85.94 | -2486.56 | 11.26 | 0.00 | 4.345 | 0.000000 |
| Shirala 132kV | 09/01/2020 14:15:00 | 58 | 22087.5 | 2585.0 | 205.69 | -2379.31 | 10.77 | 0.00 | 3.941 | 0.000000 |
| Shirala 132kV | 09/01/2020 14:30:00 | 59 | 22087.5 | 2565.0 | 423.25 | -2141.75 | 9.7 | 0.00 | 1.152 | 0.000000 |
| Shirala 132kV | 09/01/2020 14:45:00 | 60 | 22087.5 | 2590.0 | 426.12 | -2163.88 | 9.8 | 0.00 | -0.576 | 0.000000 |
| Shirala 132kV | 09/01/2020 15:00:00 | 61 | 22087.5 | 2920.0 | 195.91 | -2724.09 | 12.33 | 0.00 | -1.006 | 0.000000 |
| Shirala 132kV | 09/01/2020 15:15:00 | 62 | 22087.5 | 2942.5 | 279.5 | -2663.0 | 12.06 | 0.00 | 3.199 | 0.000000 |
| Shirala 132kV | 09/01/2020 15:30:00 | 63 | 22087.5 | 2970.0 | 337.81 | -2632.19 | 11.92 | 0.00 | 2.879 | 0.000000 |
| Shirala 132kV | 09/01/2020 15:45:00 | 64 | 22087.5 | 2965.0 | 341.0 | -2624.0 | 11.88 | 0.00 | 3.839 | 0.000000 |
| Shirala 132kV | 09/01/2020 16:00:00 | 65 | 22087.5 | 2967.5 | 433.12 | -2534.38 | 11.47 | 0.00 | 1.727 | 0.000000 |
| Shirala 132kV | 09/01/2020 16:15:00 | 66 | 22087.5 | 2972.5 | 374.94 | -2597.56 | 11.76 | 0.00 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shirala 132kV | 09/01/2020 16:30:00 | 67 | 22087.5 | 2822.5 | 310.16 | -2512.34 | 11.37 | 0.00 | -4.159 | 0.000000 |
| Shirala 132kV | 09/01/2020 16:45:00 | 68 | 22087.5 | 2835.0 | 455.62 | -2379.38 | 10.77 | 0.00 | 3.839 | 0.000000 |
| Shirala 132kV | 09/01/2020 17:00:00 | 69 | 22087.5 | 2815.0 | 391.97 | -2423.03 | 10.97 | 0.00 | 1.727 | 0.000000 |
| Shirala 132kV | 09/01/2020 17:15:00 | 70 | 22087.5 | 2840.0 | 290.88 | -2549.12 | 11.54 | 0.00 | 3.839 | 876.172735 |
| Shirala 132kV | 09/01/2020 17:30:00 | 71 | 22087.5 | 2920.0 | 218.44 | -2701.56 | 12.23 | 0.00 | -2.879 | 0.000000 |
| Shirala 132kV | 09/01/2020 17:45:00 | 72 | 22087.5 | 2942.5 | 204.09 | -2738.41 | 12.4 | 0.00 | -4.146 | 0.000000 |
| Shirala 132kV | 09/01/2020 18:00:00 | 73 | 22087.5 | 2970.0 | 278.81 | -2691.19 | 12.18 | 0.00 | -3.349 | 0.000000 |
| Shirala 132kV | 09/01/2020 18:15:00 | 74 | 22087.5 | 2965.0 | 482.19 | -2482.81 | 11.24 | 0.00 | -4.563 | 0.000000 |
| Shirala 132kV | 09/01/2020 18:30:00 | 75 | 22087.5 | 2967.5 | 612.56 | -2354.94 | 10.66 | 0.00 | -3.839 | 0.000000 |
| Shirala 132kV | 09/01/2020 18:45:00 | 76 | 22087.5 | 2972.5 | 622.41 | -2350.09 | 10.64 | 0.00 | -2.879 | 0.000000 |
| Shirala 132kV | 09/01/2020 19:00:00 | 77 | 22087.5 | 2802.5 | 327.28 | -2475.22 | 11.21 | 0.00 | -3.199 | 0.000000 |
| Shirala 132kV | 09/01/2020 19:15:00 | 78 | 22087.5 | 2807.5 | 197.47 | -2610.03 | 11.82 | 0.00 | -1.727 | 0.000000 |
| Shirala 132kV | 09/01/2020 19:30:00 | 79 | 22087.5 | 2830.0 | 140.97 | -2689.03 | 12.17 | 0.00 | -1.442 | 0.000000 |
| Shirala 132kV | 09/01/2020 19:45:00 | 80 | 22087.5 | 2835.0 | 91.56 | -2743.44 | 12.42 | 0.00 | -0.286 | 0.000000 |
| Shirala 132kV | 09/01/2020 20:00:00 | 81 | 22087.5 | 2862.5 | 60.0 | -2802.5 | 12.69 | 0.00 | -1.070 | 0.000000 |
| Shirala 132kV | 09/01/2020 20:15:00 | 82 | 22087.5 | 2877.5 | 1.0 | -2876.5 | 13.02 | 0.00 | -2.236 | 0.000000 |
| Shirala 132kV | 09/01/2020 20:30:00 | 83 | 22087.5 | 2880.0 | 0.0 | -2880.0 | 13.04 | 0.00 | -4.799 | 0.000000 |
| Shirala 132kV | 09/01/2020 20:45:00 | 84 | 22087.5 | 2890.0 | 0.0 | -2890.0 | 13.08 | 0.00 | -1.727 | 0.000000 |
| Shirala 132kV | 09/01/2020 21:00:00 | 85 | 22087.5 | 3645.0 | 0.0 | -3645.0 | 16.5 | 165.94 | -1.727 | 0.000000 |
| Shirala 132kV | 09/01/2020 21:15:00 | 86 | 22087.5 | 3610.0 | 0.0 | -3610.0 | 16.34 | 148.44 | 1.152 | 0.000000 |
| Shirala 132kV | 09/01/2020 21:30:00 | 87 | 22087.5 | 3555.0 | 0.0 | -3555.0 | 16.1 | 120.94 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shirala 132kV | 09/01/2020 21:45:00 | 88 | 22087.5 | 3557.5 | 0.0 | -3557.5 | 16.11 | 122.19 | -2.303 | 0.000000 |
| Shirala 132kV | 09/01/2020 22:00:00 | 89 | 22087.5 | 3605.0 | 0.0 | -3605.0 | 16.32 | 145.94 | -2.795 | 0.000000 |
| Shirala 132kV | 09/01/2020 22:15:00 | 90 | 22087.5 | 3640.0 | 0.0 | -3640.0 | 16.48 | 163.44 | -3.674 | 0.000000 |
| Shirala 132kV | 09/01/2020 22:30:00 | 91 | 22087.5 | 2912.5 | 0.0 | -2912.5 | 13.19 | 0.00 | -2.303 | 0.000000 |
| Shirala 132kV | 09/01/2020 22:45:00 | 92 | 22087.5 | 2965.0 | 0.78 | -2964.22 | 13.42 | 0.00 | -1.152 | 0.000000 |
| Shirala 132kV | 09/01/2020 23:00:00 | 93 | 22087.5 | 2830.0 | 125.0 | -2705.0 | 12.25 | 0.00 | 0.000 | 0.000000 |
| Shirala 132kV | 09/01/2020 23:15:00 | 94 | 22087.5 | 2835.0 | 170.69 | -2664.31 | 12.06 | 0.00 | -0.576 | 0.000000 |
| Shirala 132kV | 09/01/2020 23:30:00 | 95 | 22087.5 | 2862.5 | 507.88 | -2354.62 | 10.66 | 0.00 | -0.576 | 0.000000 |
| Shirala 132kV | 09/01/2020 23:45:00 | 96 | 22087.5 | 2877.5 | 670.16 | -2207.34 | 9.99 | 0.00 | -0.987 | 0.000000 |
| Shirala 132kV | 10/01/2020 00:00:00 | 1 | 22087.5 | 2585.0 | 648.59 | -1936.41 | 8.77 | 0.00 | -0.680 | 0.000000 |
| Shirala 132kV | 10/01/2020 00:15:00 | 2 | 22087.5 | 2565.0 | 482.72 | -2082.28 | 9.43 | 0.00 | -3.326 | 0.000000 |
| Shirala 132kV | 10/01/2020 00:30:00 | 3 | 22087.5 | 2590.0 | 309.16 | -2280.84 | 10.33 | 0.00 | -2.992 | 0.000000 |
| Shirala 132kV | 10/01/2020 00:45:00 | 4 | 22087.5 | 2670.0 | 452.03 | -2217.97 | 10.04 | 0.00 | -0.532 | 0.000000 |
| Shirala 132kV | 10/01/2020 01:00:00 | 5 | 22087.5 | 2692.5 | 639.97 | -2052.53 | 9.29 | 0.00 | -0.713 | 0.000000 |
| Shirala 132kV | 10/01/2020 01:15:00 | 6 | 22087.5 | 2720.0 | 903.91 | -1816.09 | 8.22 | 0.00 | -0.548 | 0.000000 |
| Shirala 132kV | 10/01/2020 01:30:00 | 7 | 22087.5 | 2715.0 | 834.56 | -1880.44 | 8.51 | 0.00 | -2.658 | 0.000000 |
| Shirala 132kV | 10/01/2020 01:45:00 | 8 | 22087.5 | 2717.5 | 971.31 | -1746.19 | 7.91 | 0.00 | 2.127 | 0.000000 |
| Shirala 132kV | 10/01/2020 02:00:00 | 9 | 22087.5 | 2722.5 | 1187.69 | -1534.81 | 6.95 | 0.00 | 5.342 | 3007.260297 |
| Shirala 132kV | 10/01/2020 02:15:00 | 10 | 22087.5 | 2552.5 | 1519.53 | -1032.97 | 4.68 | 0.00 | 1.595 | 0.000000 |
| Shirala 132kV | 10/01/2020 02:30:00 | 11 | 22087.5 | 2557.5 | 2243.19 | -314.31 | 1.42 | 0.00 | 3.326 | 0.000000 |
| Shirala 132kV | 10/01/2020 02:45:00 | 12 | 22087.5 | 2580.0 | 3158.31 | 578.31 | 2.62 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shirala 132kV | 10/01/2020 03:00:00 | 13 | 22087.5 | 2585.0 | 3366.66 | 781.66 | 3.54 | 0.00 | 2.658 | 0.000000 |
| Shirala 132kV | 10/01/2020 03:15:00 | 14 | 22087.5 | 2612.5 | 3279.62 | 667.12 | 3.02 | 0.00 | 2.127 | 0.000000 |
| Shirala 132kV | 10/01/2020 03:30:00 | 15 | 22087.5 | 2627.5 | 3022.16 | 394.66 | 1.79 | 0.00 | 2.127 | 0.000000 |
| Shirala 132kV | 10/01/2020 03:45:00 | 16 | 22087.5 | 2585.0 | 3569.44 | 984.44 | 4.46 | 0.00 | -1.063 | 0.000000 |
| Shirala 132kV | 10/01/2020 04:00:00 | 17 | 22087.5 | 2565.0 | 3556.94 | 991.94 | 4.49 | 0.00 | 1.595 | 0.000000 |
| Shirala 132kV | 10/01/2020 04:15:00 | 18 | 22087.5 | 2590.0 | 3176.75 | 586.75 | 2.66 | 0.00 | 3.326 | 0.000000 |
| Shirala 132kV | 10/01/2020 04:30:00 | 19 | 22087.5 | 2670.0 | 3027.94 | 357.94 | 1.62 | 0.00 | 3.326 | 0.000000 |
| Shirala 132kV | 10/01/2020 04:45:00 | 20 | 22087.5 | 2692.5 | 2861.62 | 169.12 | 0.77 | 0.00 | 2.127 | 0.000000 |
| Shirala 132kV | 10/01/2020 05:00:00 | 21 | 22087.5 | 2720.0 | 2765.25 | 45.25 | 0.2 | 0.00 | 2.992 | 0.000000 |
| Shirala 132kV | 10/01/2020 05:15:00 | 22 | 22087.5 | 2715.0 | 3129.47 | 414.47 | 1.88 | 0.00 | 1.063 | 0.000000 |
| Shirala 132kV | 10/01/2020 05:30:00 | 23 | 22087.5 | 2717.5 | 3323.38 | 605.88 | 2.74 | 0.00 | -2.658 | 0.000000 |
| Shirala 132kV | 10/01/2020 05:45:00 | 24 | 22087.5 | 2722.5 | 3254.78 | 532.28 | 2.41 | 0.00 | 2.127 | 0.000000 |
| Shirala 132kV | 10/01/2020 06:00:00 | 25 | 22087.5 | 2552.5 | 3416.72 | 864.22 | 3.91 | 0.00 | -2.127 | 0.000000 |
| Shirala 132kV | 10/01/2020 06:15:00 | 26 | 22087.5 | 2557.5 | 3561.94 | 1004.44 | 4.55 | 0.00 | 2.658 | 0.000000 |
| Shirala 132kV | 10/01/2020 06:30:00 | 27 | 22087.5 | 2580.0 | 3583.78 | 1003.78 | 4.54 | 0.00 | -2.992 | 0.000000 |
| Shirala 132kV | 10/01/2020 06:45:00 | 28 | 22087.5 | 2585.0 | 3537.75 | 952.75 | 4.31 | 0.00 | -3.077 | 0.000000 |
| Shirala 132kV | 10/01/2020 07:00:00 | 29 | 22087.5 | 2612.5 | 3267.06 | 654.56 | 2.96 | 0.00 | -0.687 | 0.000000 |
| Shirala 132kV | 10/01/2020 07:15:00 | 30 | 22087.5 | 2627.5 | 3762.97 | 1135.47 | 5.14 | 0.00 | -2.658 | 0.000000 |
| Shirala 132kV | 10/01/2020 07:30:00 | 31 | 22087.5 | 2572.5 | 3807.53 | 1235.03 | 5.59 | 0.00 | -1.063 | 0.000000 |
| Shirala 132kV | 10/01/2020 07:45:00 | 32 | 22087.5 | 2585.0 | 3658.62 | 1073.62 | 4.86 | 0.00 | -2.658 | 0.000000 |
| Shirala 132kV | 10/01/2020 08:00:00 | 33 | 22087.5 | 2565.0 | 3339.69 | 774.69 | 3.51 | 0.00 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shirala 132kV | 10/01/2020 08:15:00 | 34 | 22087.5 | 2590.0 | 2811.66 | 221.66 | 1.0 | 0.00 | -4.661 | -29.131768 |
| Shirala 132kV | 10/01/2020 08:30:00 | 35 | 22087.5 | 2670.0 | 2453.94 | -216.06 | 0.98 | 0.00 | 5.663 | 0.000000 |
| Shirala 132kV | 10/01/2020 08:45:00 | 36 | 22087.5 | 2692.5 | 2167.41 | -525.09 | 2.38 | 0.00 | 4.328 | 0.000000 |
| Shirala 132kV | 10/01/2020 09:00:00 | 37 | 22087.5 | 2720.0 | 1925.53 | -794.47 | 3.6 | 0.00 | -4.995 | 0.000000 |
| Shirala 132kV | 10/01/2020 09:15:00 | 38 | 22087.5 | 2715.0 | 2092.56 | -622.44 | 2.82 | 0.00 | -4.327 | 0.000000 |
| Shirala 132kV | 10/01/2020 09:30:00 | 39 | 22087.5 | 2717.5 | 2287.62 | -429.88 | 1.95 | 0.00 | -2.127 | 0.000000 |
| Shirala 132kV | 10/01/2020 09:45:00 | 40 | 22087.5 | 2722.5 | 2091.0 | -631.5 | 2.86 | 0.00 | -1.152 | 0.000000 |
| Shirala 132kV | 10/01/2020 10:00:00 | 41 | 22087.5 | 2552.5 | 2189.5 | -363.0 | 1.64 | 0.00 | 0.000 | 0.000000 |
| Shirala 132kV | 10/01/2020 10:15:00 | 42 | 22087.5 | 2557.5 | 2361.37 | -196.13 | 0.89 | 0.00 | -0.532 | 0.000000 |
| Shirala 132kV | 10/01/2020 10:30:00 | 43 | 22087.5 | 4580.0 | 2363.12 | -2216.88 | 10.04 | 0.00 | -1.063 | 0.000000 |
| Shirala 132kV | 10/01/2020 10:45:00 | 44 | 22087.5 | 4585.0 | 2321.28 | -2263.72 | 10.25 | 0.00 | 0.000 | 0.000000 |
| Shirala 132kV | 10/01/2020 11:00:00 | 45 | 22087.5 | 4612.5 | 2448.41 | -2164.09 | 9.8 | 0.00 | 2.658 | 0.000000 |
| Shirala 132kV | 10/01/2020 11:15:00 | 46 | 22087.5 | 4627.5 | 2452.19 | -2175.31 | 9.85 | 0.00 | 0.000 | 0.000000 |
| Shirala 132kV | 10/01/2020 11:30:00 | 47 | 22087.5 | 4752.5 | 2159.41 | -2593.09 | 11.74 | 0.00 | -1.595 | 0.000000 |
| Shirala 132kV | 10/01/2020 11:45:00 | 48 | 22087.5 | 4752.5 | 2100.41 | -2652.09 | 12.01 | 0.00 | 2.992 | 0.000000 |
| Shirala 132kV | 10/01/2020 12:00:00 | 49 | 22087.5 | 4645.0 | 1934.31 | -2710.69 | 12.27 | 0.00 | 0.000 | 0.000000 |
| Shirala 132kV | 10/01/2020 12:15:00 | 50 | 22087.5 | 4610.0 | 1788.34 | -2821.66 | 12.77 | 0.00 | 2.127 | 0.000000 |
| Shirala 132kV | 10/01/2020 12:30:00 | 51 | 22087.5 | 4555.0 | 2367.63 | -2187.37 | 9.9 | 0.00 | 1.595 | 0.000000 |
| Shirala 132kV | 10/01/2020 12:45:00 | 52 | 22087.5 | 4557.5 | 2317.22 | -2240.28 | 10.14 | 0.00 | -1.063 | 0.000000 |
| Shirala 132kV | 10/01/2020 13:00:00 | 53 | 22087.5 | 4605.0 | 1994.44 | -2610.56 | 11.82 | 0.00 | 2.658 | 0.000000 |
| Shirala 132kV | 10/01/2020 13:15:00 | 54 | 22087.5 | 4640.0 | 1967.12 | -2672.88 | 12.1 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shirala 132kV | 10/01/2020 13:30:00 | 55 | 22087.5 | 4002.5 | 2077.56 | -1924.94 | 8.72 | 0.00 | 2.127 | 0.000000 |
| Shirala 132kV | 10/01/2020 13:45:00 | 56 | 22087.5 | 3965.0 | 2098.66 | -1866.34 | 8.45 | 0.00 | -3.326 | 0.000000 |
| Shirala 132kV | 10/01/2020 14:00:00 | 57 | 22087.5 | 3822.5 | 1861.28 | -1961.22 | 8.88 | 0.00 | -2.992 | 0.000000 |
| Shirala 132kV | 10/01/2020 14:15:00 | 58 | 22087.5 | 3162.5 | 1955.97 | -1206.53 | 5.46 | 0.00 | 3.660 | 0.000000 |
| Shirala 132kV | 10/01/2020 14:30:00 | 59 | 22087.5 | 3215.0 | 1922.59 | -1292.41 | 5.85 | 0.00 | -2.127 | 0.000000 |
| Shirala 132kV | 10/01/2020 14:45:00 | 60 | 22087.5 | 3072.5 | 1927.22 | -1145.28 | 5.19 | 0.00 | -2.127 | 0.000000 |
| Shirala 132kV | 10/01/2020 15:00:00 | 61 | 22087.5 | 3835.0 | 1590.44 | -2244.56 | 10.16 | 0.00 | 0.000 | 0.000000 |
| Shirala 132kV | 10/01/2020 15:15:00 | 62 | 22087.5 | 3815.0 | 1799.44 | -2015.56 | 9.13 | 0.00 | -2.992 | 0.000000 |
| Shirala 132kV | 10/01/2020 15:30:00 | 63 | 22087.5 | 3840.0 | 1617.5 | -2222.5 | 10.06 | 0.00 | -4.995 | 0.000000 |
| Shirala 132kV | 10/01/2020 15:45:00 | 64 | 22087.5 | 3920.0 | 1582.06 | -2337.94 | 10.58 | 0.00 | -4.327 | 0.000000 |
| Shirala 132kV | 10/01/2020 16:00:00 | 65 | 22087.5 | 3942.5 | 1284.03 | -2658.47 | 12.04 | 0.00 | -4.995 | 0.000000 |
| Shirala 132kV | 10/01/2020 16:15:00 | 66 | 22087.5 | 3970.0 | 1263.06 | -2706.94 | 12.26 | 0.00 | -8.000 | 0.000000 |
| Shirala 132kV | 10/01/2020 16:30:00 | 67 | 22087.5 | 2987.5 | 974.25 | -2013.25 | 9.11 | 0.00 | -8.000 | 0.000000 |
| Shirala 132kV | 10/01/2020 16:45:00 | 68 | 22087.5 | 2972.5 | 986.47 | -1986.03 | 8.99 | 0.00 | 4.327 | 0.000000 |
| Shirala 132kV | 10/01/2020 17:00:00 | 69 | 22087.5 | 2970.0 | 907.38 | -2062.62 | 9.34 | 0.00 | 0.532 | 0.000000 |
| Shirala 132kV | 10/01/2020 17:15:00 | 70 | 22087.5 | 2965.0 | 968.28 | -1996.72 | 9.04 | 0.00 | -1.595 | 0.000000 |
| Shirala 132kV | 10/01/2020 17:30:00 | 71 | 22087.5 | 2967.5 | 999.47 | -1968.03 | 8.91 | 0.00 | -2.658 | 0.000000 |
| Shirala 132kV | 10/01/2020 17:45:00 | 72 | 22087.5 | 2987.5 | 1120.81 | -1866.69 | 8.45 | 0.00 | -2.127 | 0.000000 |
| Shirala 132kV | 10/01/2020 18:00:00 | 73 | 22087.5 | 2972.5 | 1356.75 | -1615.75 | 7.32 | 0.00 | -1.461 | 0.000000 |
| Shirala 132kV | 10/01/2020 18:15:00 | 74 | 22087.5 | 2970.0 | 1789.69 | -1180.31 | 5.34 | 0.00 | 3.326 | 414.780041 |
| Shirala 132kV | 10/01/2020 18:30:00 | 75 | 22087.5 | 2965.0 | 2321.25 | -643.75 | 2.91 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shirala 132kV | 10/01/2020 18:45:00 | 76 | 22087.5 | 2967.5 | 2734.22 | -233.28 | 1.06 | 0.00 | 3.994 | 38.940115 |
| Shirala 132kV | 10/01/2020 19:00:00 | 77 | 22087.5 | 3215.0 | 2836.12 | -378.88 | 1.72 | 0.00 | -2.127 | 0.000000 |
| Shirala 132kV | 10/01/2020 19:15:00 | 78 | 22087.5 | 3217.5 | 2740.41 | -477.09 | 2.16 | 0.00 | -2.658 | 0.000000 |
| Shirala 132kV | 10/01/2020 19:30:00 | 79 | 22087.5 | 3222.5 | 2404.0 | -818.5 | 3.71 | 0.00 | -3.660 | 0.000000 |
| Shirala 132kV | 10/01/2020 19:45:00 | 80 | 22087.5 | 3052.5 | 2342.28 | -710.22 | 3.22 | 0.00 | -3.326 | 0.000000 |
| Shirala 132kV | 10/01/2020 20:00:00 | 81 | 22087.5 | 3057.5 | 2447.78 | -609.72 | 2.76 | 0.00 | 3.660 | 148.630745 |
| Shirala 132kV | 10/01/2020 20:15:00 | 82 | 22087.5 | 3080.0 | 2390.84 | -689.16 | 3.12 | 0.00 | 3.660 | 721.448192 |
| Shirala 132kV | 10/01/2020 20:30:00 | 83 | 22087.5 | 3085.0 | 2690.25 | -394.75 | 1.79 | 0.00 | 4.995 | 586.662027 |
| Shirala 132kV | 10/01/2020 20:45:00 | 84 | 22087.5 | 3112.5 | 2799.97 | -312.53 | 1.41 | 0.00 | 2.992 | 328.446987 |
| Shirala 132kV | 10/01/2020 21:00:00 | 85 | 22087.5 | 3127.5 | 2527.5 | -600.0 | 2.72 | 0.00 | -3.660 | 0.000000 |
| Shirala 132kV | 10/01/2020 21:15:00 | 86 | 22087.5 | 3130.0 | 1992.03 | -1137.97 | 5.15 | 0.00 | -1.595 | 0.000000 |
| Shirala 132kV | 10/01/2020 21:30:00 | 87 | 22087.5 | 3140.0 | 1683.44 | -1456.56 | 6.59 | 0.00 | -1.063 | 0.000000 |
| Shirala 132kV | 10/01/2020 21:45:00 | 88 | 22087.5 | 3145.0 | 1362.06 | -1782.94 | 8.07 | 0.00 | -0.532 | 0.000000 |
| Shirala 132kV | 10/01/2020 22:00:00 | 89 | 22087.5 | 3110.0 | 1076.16 | -2033.84 | 9.21 | 0.00 | -1.595 | 0.000000 |
| Shirala 132kV | 10/01/2020 22:15:00 | 90 | 22087.5 | 5590.0 | 988.44 | -4601.56 | 20.83 | 644.22 | -2.127 | 0.000000 |
| Shirala 132kV | 10/01/2020 22:30:00 | 91 | 22087.5 | 5590.0 | 1083.91 | -4506.09 | 20.4 | 596.48 | 1.063 | 0.000000 |
| Shirala 132kV | 10/01/2020 22:45:00 | 92 | 22087.5 | 5812.5 | 1255.5 | -4557.0 | 20.63 | 621.94 | -2.658 | 0.000000 |
| Shirala 132kV | 10/01/2020 23:00:00 | 93 | 22087.5 | 6172.5 | 1428.06 | -4744.44 | 21.48 | 715.66 | -2.658 | 0.000000 |
| Shirala 132kV | 10/01/2020 23:15:00 | 94 | 22087.5 | 6245.0 | 1253.5 | -4991.5 | 22.6 | 839.19 | 0.000 | 0.000000 |
| Shirala 132kV | 10/01/2020 23:30:00 | 95 | 22087.5 | 6280.0 | 1494.88 | -4785.12 | 21.66 | 736.00 | 0.000 | 0.000000 |
| Shirala 132kV | 10/01/2020 23:45:00 | 96 | 22087.5 | 6467.5 | 1586.84 | -4880.66 | 22.1 | 783.77 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shirala 132kV | 11/01/2020 00:00:00 | 1 | 22087.5 | 2585.0 | 1438.12 | -1146.88 | 5.19 | 0.00 | 0.000 | 0.000000 |
| Shirala 132kV | 11/01/2020 00:15:00 | 2 | 22087.5 | 2565.0 | 1133.09 | -1431.91 | 6.48 | 0.00 | -2.629 | 0.000000 |
| Shirala 132kV | 11/01/2020 00:30:00 | 3 | 22087.5 | 2590.0 | 1153.25 | -1436.75 | 6.5 | 0.00 | -1.577 | 0.000000 |
| Shirala 132kV | 11/01/2020 00:45:00 | 4 | 22087.5 | 2670.0 | 1336.59 | -1333.41 | 6.04 | 0.00 | 2.103 | 0.000000 |
| Shirala 132kV | 11/01/2020 01:00:00 | 5 | 22087.5 | 2692.5 | 1437.75 | -1254.75 | 5.68 | 0.00 | 2.964 | 589.498033 |
| Shirala 132kV | 11/01/2020 01:15:00 | 6 | 22087.5 | 2720.0 | 1595.31 | -1124.69 | 5.09 | 0.00 | 1.052 | 74.175356 |
| Shirala 132kV | 11/01/2020 01:30:00 | 7 | 22087.5 | 2715.0 | 2061.0 | -654.0 | 2.96 | 0.00 | 1.577 | 76.792537 |
| Shirala 132kV | 11/01/2020 01:45:00 | 8 | 22087.5 | 2717.5 | 2806.84 | 89.34 | 0.4 | 0.00 | -0.526 | 0.000000 |
| Shirala 132kV | 11/01/2020 02:00:00 | 9 | 22087.5 | 2722.5 | 3191.62 | 469.12 | 2.12 | 0.00 | -0.403 | 0.000000 |
| Shirala 132kV | 11/01/2020 02:15:00 | 10 | 22087.5 | 2552.5 | 3610.94 | 1058.44 | 4.79 | 0.00 | -0.630 | 0.000000 |
| Shirala 132kV | 11/01/2020 02:30:00 | 11 | 22087.5 | 2557.5 | 3525.03 | 967.53 | 4.38 | 0.00 | -0.526 | 0.000000 |
| Shirala 132kV | 11/01/2020 02:45:00 | 12 | 22087.5 | 2580.0 | 3357.72 | 777.72 | 3.52 | 0.00 | -0.526 | -37.035598 |
| Shirala 132kV | 11/01/2020 03:00:00 | 13 | 22087.5 | 2585.0 | 3424.56 | 839.56 | 3.8 | 0.00 | -1.051 | 0.000000 |
| Shirala 132kV | 11/01/2020 03:15:00 | 14 | 22087.5 | 2612.5 | 2995.72 | 383.22 | 1.74 | 0.00 | 0.000 | 0.000000 |
| Shirala 132kV | 11/01/2020 03:30:00 | 15 | 22087.5 | 2627.5 | 2685.78 | 58.28 | 0.26 | 0.00 | 0.000 | 0.000000 |
| Shirala 132kV | 11/01/2020 03:45:00 | 16 | 22087.5 | 2585.0 | 2343.31 | -241.69 | 1.09 | 0.00 | 0.000 | 0.000000 |
| Shirala 132kV | 11/01/2020 04:00:00 | 17 | 22087.5 | 2565.0 | 2198.47 | -366.53 | 1.66 | 0.00 | 0.000 | 0.000000 |
| Shirala 132kV | 11/01/2020 04:15:00 | 18 | 22087.5 | 2590.0 | 2527.66 | -62.34 | 0.28 | 0.00 | -1.051 | 0.000000 |
| Shirala 132kV | 11/01/2020 04:30:00 | 19 | 22087.5 | 2670.0 | 2724.22 | 54.22 | 0.25 | 0.00 | -2.964 | 0.000000 |
| Shirala 132kV | 11/01/2020 04:45:00 | 20 | 22087.5 | 2692.5 | 2693.25 | 0.75 | 0.0 | 0.00 | -3.300 | 0.000000 |
| Shirala 132kV | 11/01/2020 05:00:00 | 21 | 22087.5 | 2720.0 | 3109.53 | 389.53 | 1.76 | 0.00 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shirala 132kV | 11/01/2020 05:15:00 | 22 | 22087.5 | 2715.0 | 3010.03 | 295.03 | 1.34 | 0.00 | 5.314 | 0.000000 |
| Shirala 132kV | 11/01/2020 05:30:00 | 23 | 22087.5 | 2717.5 | 2992.22 | 274.72 | 1.24 | 0.00 | 2.964 | 0.000000 |
| Shirala 132kV | 11/01/2020 05:45:00 | 24 | 22087.5 | 2722.5 | 3127.5 | 405.0 | 1.83 | 0.00 | 2.103 | 0.000000 |
| Shirala 132kV | 11/01/2020 06:00:00 | 25 | 22087.5 | 2552.5 | 2887.19 | 334.69 | 1.52 | 0.00 | 3.636 | 0.000000 |
| Shirala 132kV | 11/01/2020 06:15:00 | 26 | 22087.5 | 2557.5 | 2983.38 | 425.88 | 1.93 | 0.00 | 2.964 | 0.000000 |
| Shirala 132kV | 11/01/2020 06:30:00 | 27 | 22087.5 | 2580.0 | 2866.94 | 286.94 | 1.3 | 0.00 | 4.105 | 0.000000 |
| Shirala 132kV | 11/01/2020 06:45:00 | 28 | 22087.5 | 2585.0 | 2641.53 | 56.53 | 0.26 | 0.00 | 5.650 | 0.000000 |
| Shirala 132kV | 11/01/2020 07:00:00 | 29 | 22087.5 | 2612.5 | 2489.12 | -123.38 | 0.56 | 0.00 | 3.300 | 0.000000 |
| Shirala 132kV | 11/01/2020 07:15:00 | 30 | 22087.5 | 2627.5 | 2520.56 | -106.94 | 0.48 | 0.00 | 5.314 | 0.000000 |
| Shirala 132kV | 11/01/2020 07:30:00 | 31 | 22087.5 | 2572.5 | 2486.91 | -85.59 | 0.39 | 0.00 | 2.964 | 0.000000 |
| Shirala 132kV | 11/01/2020 07:45:00 | 32 | 22087.5 | 2585.0 | 2269.09 | -315.91 | 1.43 | 0.00 | 2.103 | 0.000000 |
| Shirala 132kV | 11/01/2020 08:00:00 | 33 | 22087.5 | 2565.0 | 1561.41 | -1003.59 | 4.54 | 0.00 | -1.577 | 0.000000 |
| Shirala 132kV | 11/01/2020 08:15:00 | 34 | 22087.5 | 2590.0 | 1125.75 | -1464.25 | 6.63 | 0.00 | 3.300 | 0.000000 |
| Shirala 132kV | 11/01/2020 08:30:00 | 35 | 22087.5 | 2670.0 | 1126.38 | -1543.62 | 6.99 | 0.00 | 2.116 | 0.000000 |
| Shirala 132kV | 11/01/2020 08:45:00 | 36 | 22087.5 | 2692.5 | 1173.5 | -1519.0 | 6.88 | 0.00 | 2.964 | 0.000000 |
| Shirala 132kV | 11/01/2020 09:00:00 | 37 | 22087.5 | 3845.0 | 1395.16 | -2449.84 | 11.09 | 0.00 | 6.681 | 0.000000 |
| Shirala 132kV | 11/01/2020 09:15:00 | 38 | 22087.5 | 3840.0 | 1590.81 | -2249.19 | 10.18 | 0.00 | 6.657 | 0.000000 |
| Shirala 132kV | 11/01/2020 09:30:00 | 39 | 22087.5 | 3842.5 | 1395.72 | -2446.78 | 11.08 | 0.00 | -6.322 | 0.000000 |
| Shirala 132kV | 11/01/2020 09:45:00 | 40 | 22087.5 | 3847.5 | 1240.53 | -2606.97 | 11.8 | 0.00 | -2.103 | 0.000000 |
| Shirala 132kV | 11/01/2020 10:00:00 | 41 | 22087.5 | 3677.5 | 1212.66 | -2464.84 | 11.16 | 0.00 | 0.526 | 0.000000 |
| Shirala 132kV | 11/01/2020 10:15:00 | 42 | 22087.5 | 3682.5 | 1034.5 | -2648.0 | 11.99 | 0.00 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shirala 132kV | 11/01/2020 10:30:00 | 43 | 22087.5 | 2955.0 | 934.94 | -2020.06 | 9.15 | 0.00 | 0.000 | 0.000000 |
| Shirala 132kV | 11/01/2020 10:45:00 | 44 | 22087.5 | 2960.0 | 1079.62 | -1880.38 | 8.51 | 0.00 | 0.000 | 0.000000 |
| Shirala 132kV | 11/01/2020 11:00:00 | 45 | 22087.5 | 2987.5 | 1135.0 | -1852.5 | 8.39 | 0.00 | 0.000 | 0.000000 |
| Shirala 132kV | 11/01/2020 11:15:00 | 46 | 22087.5 | 3002.5 | 1088.56 | -1913.94 | 8.67 | 0.00 | -2.964 | 0.000000 |
| Shirala 132kV | 11/01/2020 11:30:00 | 47 | 22087.5 | 3005.0 | 1019.66 | -1985.34 | 8.99 | 0.00 | -4.307 | 0.000000 |
| Shirala 132kV | 11/01/2020 11:45:00 | 48 | 22087.5 | 3015.0 | 1045.66 | -1969.34 | 8.92 | 0.00 | -3.300 | 0.000000 |
| Shirala 132kV | 11/01/2020 12:00:00 | 49 | 22087.5 | 2552.5 | 1004.88 | -1547.62 | 7.01 | 0.00 | -0.526 | 0.000000 |
| Shirala 132kV | 11/01/2020 12:15:00 | 50 | 22087.5 | 2557.5 | 917.88 | -1639.62 | 7.42 | 0.00 | -2.103 | 0.000000 |
| Shirala 132kV | 11/01/2020 12:30:00 | 51 | 22087.5 | 2580.0 | 912.72 | -1667.28 | 7.55 | 0.00 | -2.629 | 0.000000 |
| Shirala 132kV | 11/01/2020 12:45:00 | 52 | 22087.5 | 2585.0 | 868.31 | -1716.69 | 7.77 | 0.00 | -2.629 | 0.000000 |
| Shirala 132kV | 11/01/2020 13:00:00 | 53 | 22087.5 | 2612.5 | 826.88 | -1785.62 | 8.08 | 0.00 | 0.000 | 0.000000 |
| Shirala 132kV | 11/01/2020 13:15:00 | 54 | 22087.5 | 2627.5 | 784.72 | -1842.78 | 8.34 | 0.00 | -2.103 | 0.000000 |
| Shirala 132kV | 11/01/2020 13:30:00 | 55 | 22087.5 | 2630.0 | 544.5 | -2085.5 | 9.44 | 0.00 | 2.629 | 0.000000 |
| Shirala 132kV | 11/01/2020 13:45:00 | 56 | 22087.5 | 2640.0 | 479.22 | -2160.78 | 9.78 | 0.00 | 2.103 | 0.000000 |
| Shirala 132kV | 11/01/2020 14:00:00 | 57 | 22087.5 | 2645.0 | 410.28 | -2234.72 | 10.12 | 0.00 | 1.051 | 0.000000 |
| Shirala 132kV | 11/01/2020 14:15:00 | 58 | 22087.5 | 2610.0 | 321.12 | -2288.88 | 10.36 | 0.00 | 3.300 | 0.000000 |
| Shirala 132kV | 11/01/2020 14:30:00 | 59 | 22087.5 | 2555.0 | 341.53 | -2213.47 | 10.02 | 0.00 | -3.636 | 0.000000 |
| Shirala 132kV | 11/01/2020 14:45:00 | 60 | 22087.5 | 2557.5 | 256.72 | -2300.78 | 10.42 | 0.00 | 4.979 | 0.000000 |
| Shirala 132kV | 11/01/2020 15:00:00 | 61 | 22087.5 | 2605.0 | 295.12 | -2309.88 | 10.46 | 0.00 | -2.964 | 0.000000 |
| Shirala 132kV | 11/01/2020 15:15:00 | 62 | 22087.5 | 2640.0 | 242.62 | -2397.38 | 10.85 | 0.00 | -5.314 | 0.000000 |
| Shirala 132kV | 11/01/2020 15:30:00 | 63 | 22087.5 | 2662.5 | 100.34 | -2562.16 | 11.6 | 0.00 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shirala 132kV | 11/01/2020 15:45:00 | 64 | 22087.5 | 2552.5 | 179.22 | -2373.28 | 10.74 | 0.00 | 4.643 | 0.000000 |
| Shirala 132kV | 11/01/2020 16:00:00 | 65 | 22087.5 | 2557.5 | 85.03 | -2472.47 | 11.19 | 0.00 | 2.103 | 0.000000 |
| Shirala 132kV | 11/01/2020 16:15:00 | 66 | 22087.5 | 2580.0 | 79.12 | -2500.88 | 11.32 | 0.00 | -2.964 | 0.000000 |
| Shirala 132kV | 11/01/2020 16:30:00 | 67 | 22087.5 | 2585.0 | 130.12 | -2454.88 | 11.11 | 0.00 | -2.103 | 0.000000 |
| Shirala 132kV | 11/01/2020 16:45:00 | 68 | 22087.5 | 2612.5 | 302.0 | -2310.5 | 10.46 | 0.00 | 3.972 | 0.000000 |
| Shirala 132kV | 11/01/2020 17:00:00 | 69 | 22087.5 | 2627.5 | 322.28 | -2305.22 | 10.44 | 0.00 | -1.577 | 0.000000 |
| Shirala 132kV | 11/01/2020 17:15:00 | 70 | 22087.5 | 2630.0 | 62.06 | -2567.94 | 11.63 | 0.00 | -1.577 | 0.000000 |
| Shirala 132kV | 11/01/2020 17:30:00 | 71 | 22087.5 | 2640.0 | 227.72 | -2412.28 | 10.92 | 0.00 | 1.051 | 30.779112 |
| Shirala 132kV | 11/01/2020 17:45:00 | 72 | 22087.5 | 2645.0 | 278.56 | -2366.44 | 10.71 | 0.00 | -2.103 | 0.000000 |
| Shirala 132kV | 11/01/2020 18:00:00 | 73 | 22087.5 | 2610.0 | 331.78 | -2278.22 | 10.31 | 0.00 | -2.964 | 0.000000 |
| Shirala 132kV | 11/01/2020 18:15:00 | 74 | 22087.5 | 2555.0 | 325.69 | -2229.31 | 10.09 | 0.00 | -2.629 | 0.000000 |
| Shirala 132kV | 11/01/2020 18:30:00 | 75 | 22087.5 | 2557.5 | 209.59 | -2347.91 | 10.63 | 0.00 | 2.103 | 82.534892 |
| Shirala 132kV | 11/01/2020 18:45:00 | 76 | 22087.5 | 2605.0 | 286.59 | -2318.41 | 10.5 | 0.00 | 0.526 | 238.626599 |
| Shirala 132kV | 11/01/2020 19:00:00 | 77 | 22087.5 | 2640.0 | 421.56 | -2218.44 | 10.04 | 0.00 | 2.103 | 906.890635 |
| Shirala 132kV | 11/01/2020 19:15:00 | 78 | 22087.5 | 2662.5 | 478.97 | -2183.53 | 9.89 | 0.00 | -1.052 | 0.000000 |
| Shirala 132kV | 11/01/2020 19:30:00 | 79 | 22087.5 | 2605.0 | 410.0 | -2195.0 | 9.94 | 0.00 | 2.964 | 0.000000 |
| Shirala 132kV | 11/01/2020 19:45:00 | 80 | 22087.5 | 2640.0 | 272.03 | -2367.97 | 10.72 | 0.00 | 2.629 | 1761.383460 |
| Shirala 132kV | 11/01/2020 20:00:00 | 81 | 22087.5 | 2662.5 | 341.31 | -2321.19 | 10.51 | 0.00 | 2.629 | 377.496796 |
| Shirala 132kV | 11/01/2020 20:15:00 | 82 | 22087.5 | 2552.5 | 280.25 | -2272.25 | 10.29 | 0.00 | 4.307 | 1218.551643 |
| Shirala 132kV | 11/01/2020 20:30:00 | 83 | 22087.5 | 2557.5 | 220.03 | -2337.47 | 10.58 | 0.00 | 2.964 | 3214.047296 |
| Shirala 132kV | 11/01/2020 20:45:00 | 84 | 22087.5 | 2580.0 | 278.59 | -2301.41 | 10.42 | 0.00 | 2.629 | 2716.360820 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shirala 132kV | 11/01/2020 21:00:00 | 85 | 22087.5 | 2585.0 | 388.53 | -2196.47 | 9.94 | 0.00 | 3.636 | 470.852953 |
| Shirala 132kV | 11/01/2020 21:15:00 | 86 | 22087.5 | 2612.5 | 483.97 | -2128.53 | 9.64 | 0.00 | -1.577 | 0.000000 |
| Shirala 132kV | 11/01/2020 21:30:00 | 87 | 22087.5 | 2627.5 | 490.53 | -2136.97 | 9.68 | 0.00 | -1.577 | 0.000000 |
| Shirala 132kV | 11/01/2020 21:45:00 | 88 | 22087.5 | 2630.0 | 474.06 | -2155.94 | 9.76 | 0.00 | -1.052 | 0.000000 |
| Shirala 132kV | 11/01/2020 22:00:00 | 89 | 22087.5 | 2640.0 | 630.59 | -2009.41 | 9.1 | 0.00 | -5.650 | 0.000000 |
| Shirala 132kV | 11/01/2020 22:15:00 | 90 | 22087.5 | 2645.0 | 722.97 | -1922.03 | 8.7 | 0.00 | -5.650 | 0.000000 |
| Shirala 132kV | 11/01/2020 22:30:00 | 91 | 22087.5 | 2610.0 | 935.97 | -1674.03 | 7.58 | 0.00 | 4.979 | 807.144643 |
| Shirala 132kV | 11/01/2020 22:45:00 | 92 | 22087.5 | 2555.0 | 1527.47 | -1027.53 | 4.65 | 0.00 | 2.964 | 645.271216 |
| Shirala 132kV | 11/01/2020 23:00:00 | 93 | 22087.5 | 2557.5 | 1981.06 | -576.44 | 2.61 | 0.00 | 1.577 | 90.136624 |
| Shirala 132kV | 11/01/2020 23:15:00 | 94 | 22087.5 | 2605.0 | 2153.91 | -451.09 | 2.04 | 0.00 | 1.074 | 57.694266 |
| Shirala 132kV | 11/01/2020 23:30:00 | 95 | 22087.5 | 2557.5 | 1864.91 | -692.59 | 3.14 | 0.00 | 2.113 | 399.270104 |
| Shirala 132kV | 11/01/2020 23:45:00 | 96 | 22087.5 | 2605.0 | 1742.94 | -862.06 | 3.9 | 0.00 | 2.162 | 640.686794 |
| Shirala 132kV | 12/01/2020 00:00:00 | 1 | 22087.5 | 2585.0 | 1582.81 | -1002.19 | 4.54 | 0.00 | 3.022 | 616.414867 |
| Shirala 132kV | 12/01/2020 00:15:00 | 2 | 22087.5 | 5052.5 | 1578.19 | -3474.31 | 15.73 | 80.59 | -2.152 | 0.000000 |
| Shirala 132kV | 12/01/2020 00:30:00 | 3 | 22087.5 | 4840.0 | 1610.09 | -3229.91 | 14.62 | 0.00 | -2.152 | 0.000000 |
| Shirala 132kV | 12/01/2020 00:45:00 | 4 | 22087.5 | 4580.0 | 920.38 | -3659.62 | 16.57 | 173.25 | -3.022 | 0.000000 |
| Shirala 132kV | 12/01/2020 01:00:00 | 5 | 22087.5 | 4562.5 | 1123.19 | -3439.31 | 15.57 | 63.09 | -0.629 | 0.000000 |
| Shirala 132kV | 12/01/2020 01:15:00 | 6 | 22087.5 | 4537.5 | 1237.69 | -3299.81 | 14.94 | 0.00 | -3.317 | 0.000000 |
| Shirala 132kV | 12/01/2020 01:30:00 | 7 | 22087.5 | 4412.5 | 1099.09 | -3313.41 | 15.0 | 0.00 | -3.354 | 0.000000 |
| Shirala 132kV | 12/01/2020 01:45:00 | 8 | 22087.5 | 4380.0 | 1186.22 | -3193.78 | 14.46 | 0.00 | -3.022 | 0.000000 |
| Shirala 132kV | 12/01/2020 02:00:00 | 9 | 22087.5 | 4135.0 | 1292.59 | -2842.41 | 12.87 | 0.00 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shirala 132kV | 12/01/2020 02:15:00 | 10 | 22087.5 | 3947.5 | 1415.66 | -2531.84 | 11.46 | 0.00 | -3.022 | 0.000000 |
| Shirala 132kV | 12/01/2020 02:30:00 | 11 | 22087.5 | 3892.5 | 1637.53 | -2254.97 | 10.21 | 0.00 | -2.690 | 0.000000 |
| Shirala 132kV | 12/01/2020 02:45:00 | 12 | 22087.5 | 3850.0 | 1541.16 | -2308.84 | 10.45 | 0.00 | -3.022 | 0.000000 |
| Shirala 132kV | 12/01/2020 03:00:00 | 13 | 22087.5 | 2872.5 | 1534.84 | -1337.66 | 6.06 | 0.00 | 3.354 | 633.364686 |
| Shirala 132kV | 12/01/2020 03:15:00 | 14 | 22087.5 | 2722.5 | 1478.88 | -1243.62 | 5.63 | 0.00 | 3.022 | 722.126594 |
| Shirala 132kV | 12/01/2020 03:30:00 | 15 | 22087.5 | 2762.5 | 1593.94 | -1168.56 | 5.29 | 0.00 | 3.354 | 251.672316 |
| Shirala 132kV | 12/01/2020 03:45:00 | 16 | 22087.5 | 2802.5 | 2666.63 | -135.87 | 0.62 | 0.00 | 2.152 | 0.000000 |
| Shirala 132kV | 12/01/2020 04:00:00 | 17 | 22087.5 | 2765.0 | 3030.22 | 265.22 | 1.2 | 0.00 | -2.152 | 0.000000 |
| Shirala 132kV | 12/01/2020 04:15:00 | 18 | 22087.5 | 2557.5 | 3089.03 | 531.53 | 2.41 | 0.00 | -3.022 | 0.000000 |
| Shirala 132kV | 12/01/2020 04:30:00 | 19 | 22087.5 | 2580.0 | 2834.62 | 254.62 | 1.15 | 0.00 | 1.076 | 0.000000 |
| Shirala 132kV | 12/01/2020 04:45:00 | 20 | 22087.5 | 2585.0 | 2072.25 | -512.75 | 2.32 | 0.00 | -3.022 | 0.000000 |
| Shirala 132kV | 12/01/2020 05:00:00 | 21 | 22087.5 | 2612.5 | 1749.78 | -862.72 | 3.91 | 0.00 | 3.686 | 0.000000 |
| Shirala 132kV | 12/01/2020 05:15:00 | 22 | 22087.5 | 2627.5 | 1812.69 | -814.81 | 3.69 | 0.00 | 3.686 | 898.955926 |
| Shirala 132kV | 12/01/2020 05:30:00 | 23 | 22087.5 | 2630.0 | 1789.25 | -840.75 | 3.81 | 0.00 | -1.614 | 0.000000 |
| Shirala 132kV | 12/01/2020 05:45:00 | 24 | 22087.5 | 4662.5 | 1766.94 | -2895.56 | 13.11 | 0.00 | -0.496 | 0.000000 |
| Shirala 132kV | 12/01/2020 06:00:00 | 25 | 22087.5 | 4630.0 | 1647.66 | -2982.34 | 13.5 | 0.00 | 0.000 | 0.000000 |
| Shirala 132kV | 12/01/2020 06:15:00 | 26 | 22087.5 | 4412.5 | 1895.69 | -2516.81 | 11.39 | 0.00 | -0.430 | 0.000000 |
| Shirala 132kV | 12/01/2020 06:30:00 | 27 | 22087.5 | 4330.0 | 2167.25 | -2162.75 | 9.79 | 0.00 | -2.152 | 0.000000 |
| Shirala 132kV | 12/01/2020 06:45:00 | 28 | 22087.5 | 4150.0 | 1808.16 | -2341.84 | 10.6 | 0.00 | 4.681 | 0.000000 |
| Shirala 132kV | 12/01/2020 07:00:00 | 29 | 22087.5 | 4080.0 | 1785.06 | -2294.94 | 10.39 | 0.00 | 1.614 | 0.000000 |
| Shirala 132kV | 12/01/2020 07:15:00 | 30 | 22087.5 | 3905.0 | 1490.84 | -2414.16 | 10.93 | 0.00 | 3.838 | 1998.095090 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shirala 132kV | 12/01/2020 07:30:00 | 31 | 22087.5 | 3830.0 | 1481.94 | -2348.06 | 10.63 | 0.00 | 3.022 | 0.000000 |
| Shirala 132kV | 12/01/2020 07:45:00 | 32 | 22087.5 | 3630.0 | 1590.91 | -2039.09 | 9.23 | 0.00 | 2.690 | 0.000000 |
| Shirala 132kV | 12/01/2020 08:00:00 | 33 | 22087.5 | 3590.0 | 1652.06 | -1937.94 | 8.77 | 0.00 | -2.690 | 0.000000 |
| Shirala 132kV | 12/01/2020 08:15:00 | 34 | 22087.5 | 3802.5 | 1441.88 | -2360.62 | 10.69 | 0.00 | -4.018 | 0.000000 |
| Shirala 132kV | 12/01/2020 08:30:00 | 35 | 22087.5 | 3412.5 | 980.09 | -2432.41 | 11.01 | 0.00 | -2.690 | 0.000000 |
| Shirala 132kV | 12/01/2020 08:45:00 | 36 | 22087.5 | 3312.5 | 905.91 | -2406.59 | 10.9 | 0.00 | 3.022 | 0.000000 |
| Shirala 132kV | 12/01/2020 09:00:00 | 37 | 22087.5 | 3307.5 | 915.5 | -2392.0 | 10.83 | 0.00 | -3.354 | 0.000000 |
| Shirala 132kV | 12/01/2020 09:15:00 | 38 | 22087.5 | 3162.5 | 1137.75 | -2024.75 | 9.17 | 0.00 | -4.350 | 0.000000 |
| Shirala 132kV | 12/01/2020 09:30:00 | 39 | 22087.5 | 3135.0 | 1562.03 | -1572.97 | 7.12 | 0.00 | 2.152 | 0.000000 |
| Shirala 132kV | 12/01/2020 09:45:00 | 40 | 22087.5 | 2715.0 | 2384.44 | -330.56 | 1.5 | 0.00 | -2.690 | 0.000000 |
| Shirala 132kV | 12/01/2020 10:00:00 | 41 | 22087.5 | 2717.5 | 2667.47 | -50.03 | 0.23 | 0.00 | -3.354 | 0.000000 |
| Shirala 132kV | 12/01/2020 10:15:00 | 42 | 22087.5 | 2722.5 | 2120.34 | -602.16 | 2.73 | 0.00 | -3.686 | 0.000000 |
| Shirala 132kV | 12/01/2020 10:30:00 | 43 | 22087.5 | 2572.5 | 1631.81 | -940.69 | 4.26 | 0.00 | -1.614 | 0.000000 |
| Shirala 132kV | 12/01/2020 10:45:00 | 44 | 22087.5 | 2585.0 | 1465.59 | -1119.41 | 5.07 | 0.00 | 3.686 | 0.000000 |
| Shirala 132kV | 12/01/2020 11:00:00 | 45 | 22087.5 | 2565.0 | 1439.53 | -1125.47 | 5.1 | 0.00 | -3.354 | 0.000000 |
| Shirala 132kV | 12/01/2020 11:15:00 | 46 | 22087.5 | 2590.0 | 1328.84 | -1261.16 | 5.71 | 0.00 | -5.450 | 0.000000 |
| Shirala 132kV | 12/01/2020 11:30:00 | 47 | 22087.5 | 2670.0 | 1200.62 | -1469.38 | 6.65 | 0.00 | -6.009 | 0.000000 |
| Shirala 132kV | 12/01/2020 11:45:00 | 48 | 22087.5 | 2692.5 | 1112.88 | -1579.62 | 7.15 | 0.00 | 2.690 | 0.000000 |
| Shirala 132kV | 12/01/2020 12:00:00 | 49 | 22087.5 | 2720.0 | 965.81 | -1754.19 | 7.94 | 0.00 | 3.686 | 0.000000 |
| Shirala 132kV | 12/01/2020 12:15:00 | 50 | 22087.5 | 2715.0 | 985.31 | -1729.69 | 7.83 | 0.00 | -5.345 | 0.000000 |
| Shirala 132kV | 12/01/2020 12:30:00 | 51 | 22087.5 | 2717.5 | 856.72 | -1860.78 | 8.42 | 0.00 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shirala 132kV | 12/01/2020 12:45:00 | 52 | 22087.5 | 2722.5 | 870.56 | -1851.94 | 8.38 | 0.00 | -5.345 | 0.000000 |
| Shirala 132kV | 12/01/2020 13:00:00 | 53 | 22087.5 | 4052.5 | 983.78 | -3068.72 | 13.89 | 0.00 | -3.999 | 0.000000 |
| Shirala 132kV | 12/01/2020 13:15:00 | 54 | 22087.5 | 4057.5 | 651.16 | -3406.34 | 15.42 | 46.61 | -4.350 | 0.000000 |
| Shirala 132kV | 12/01/2020 13:30:00 | 55 | 22087.5 | 4080.0 | 594.94 | -3485.06 | 15.78 | 85.97 | -1.076 | 0.000000 |
| Shirala 132kV | 12/01/2020 13:45:00 | 56 | 22087.5 | 4085.0 | 349.25 | -3735.75 | 16.91 | 211.31 | -2.690 | 0.000000 |
| Shirala 132kV | 12/01/2020 14:00:00 | 57 | 22087.5 | 4112.5 | 336.62 | -3775.88 | 17.1 | 231.38 | -0.538 | 0.000000 |
| Shirala 132kV | 12/01/2020 14:15:00 | 58 | 22087.5 | 4127.5 | 277.03 | -3850.47 | 17.43 | 268.67 | -2.152 | 0.000000 |
| Shirala 132kV | 12/01/2020 14:30:00 | 59 | 22087.5 | 2800.0 | 208.34 | -2591.66 | 11.73 | 0.00 | -2.690 | 0.000000 |
| Shirala 132kV | 12/01/2020 14:45:00 | 60 | 22087.5 | 2840.0 | 119.94 | -2720.06 | 12.31 | 0.00 | -1.076 | 0.000000 |
| Shirala 132kV | 12/01/2020 15:00:00 | 61 | 22087.5 | 2822.5 | 177.12 | -2645.38 | 11.98 | 0.00 | 0.000 | 0.000000 |
| Shirala 132kV | 12/01/2020 15:15:00 | 62 | 22087.5 | 2835.0 | 203.91 | -2631.09 | 11.91 | 0.00 | -2.690 | 0.000000 |
| Shirala 132kV | 12/01/2020 15:30:00 | 63 | 22087.5 | 2815.0 | 181.56 | -2633.44 | 11.92 | 0.00 | -3.022 | 0.000000 |
| Shirala 132kV | 12/01/2020 15:45:00 | 64 | 22087.5 | 2840.0 | 85.78 | -2754.22 | 12.47 | 0.00 | -3.686 | 0.000000 |
| Shirala 132kV | 12/01/2020 16:00:00 | 65 | 22087.5 | 2920.0 | 50.12 | -2869.88 | 12.99 | 0.00 | -3.737 | 0.000000 |
| Shirala 132kV | 12/01/2020 16:15:00 | 66 | 22087.5 | 2942.5 | 73.0 | -2869.5 | 12.99 | 0.00 | -5.786 | 0.000000 |
| Shirala 132kV | 12/01/2020 16:30:00 | 67 | 22087.5 | 2970.0 | 49.0 | -2921.0 | 13.22 | 0.00 | -4.350 | 0.000000 |
| Shirala 132kV | 12/01/2020 16:45:00 | 68 | 22087.5 | 2965.0 | 54.0 | -2911.0 | 13.18 | 0.00 | -1.614 | 0.000000 |
| Shirala 132kV | 12/01/2020 17:00:00 | 69 | 22087.5 | 2967.5 | 84.56 | -2882.94 | 13.05 | 0.00 | 0.000 | 0.000000 |
| Shirala 132kV | 12/01/2020 17:15:00 | 70 | 22087.5 | 2967.5 | 32.0 | -2935.5 | 13.29 | 0.00 | 2.690 | 761.039402 |
| Shirala 132kV | 12/01/2020 17:30:00 | 71 | 22087.5 | 2972.5 | 3.0 | -2969.5 | 13.44 | 0.00 | -3.022 | 0.000000 |
| Shirala 132kV | 12/01/2020 17:45:00 | 72 | 22087.5 | 2822.5 | 3.0 | -2819.5 | 12.77 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shirala 132kV | 12/01/2020 18:00:00 | 73 | 22087.5 | 2835.0 | 26.0 | -2809.0 | 12.72 | 0.00 | -0.538 | 0.000000 |
| Shirala 132kV | 12/01/2020 18:15:00 | 74 | 22087.5 | 2815.0 | 101.0 | -2714.0 | 12.29 | 0.00 | -4.350 | 0.000000 |
| Shirala 132kV | 12/01/2020 18:30:00 | 75 | 22087.5 | 2840.0 | 33.0 | -2807.0 | 12.71 | 0.00 | 2.690 | 482.706171 |
| Shirala 132kV | 12/01/2020 18:45:00 | 76 | 22087.5 | 2920.0 | 0.0 | -2920.0 | 13.22 | 0.00 | 3.022 | 3234.969450 |
| Shirala 132kV | 12/01/2020 19:00:00 | 77 | 22087.5 | 2942.5 | 0.0 | -2942.5 | 13.32 | 0.00 | 3.686 | 1047.109245 |
| Shirala 132kV | 12/01/2020 19:15:00 | 78 | 22087.5 | 2970.0 | 0.0 | -2970.0 | 13.45 | 0.00 | 2.690 | 62.735475 |
| Shirala 132kV | 12/01/2020 19:30:00 | 79 | 22087.5 | 2965.0 | 0.0 | -2965.0 | 13.42 | 0.00 | -3.022 | 0.000000 |
| Shirala 132kV | 12/01/2020 19:45:00 | 80 | 22087.5 | 2967.5 | 0.0 | -2967.5 | 13.44 | 0.00 | -1.781 | 0.000000 |
| Shirala 132kV | 12/01/2020 20:00:00 | 81 | 22087.5 | 2967.5 | 0.0 | -2967.5 | 13.44 | 0.00 | -3.021 | 0.000000 |
| Shirala 132kV | 12/01/2020 20:15:00 | 82 | 22087.5 | 2972.5 | 0.0 | -2972.5 | 13.46 | 0.00 | -4.018 | 0.000000 |
| Shirala 132kV | 12/01/2020 20:30:00 | 83 | 22087.5 | 2822.5 | 0.0 | -2822.5 | 12.78 | 0.00 | -3.354 | 0.000000 |
| Shirala 132kV | 12/01/2020 20:45:00 | 84 | 22087.5 | 2835.0 | 0.0 | -2835.0 | 12.84 | 0.00 | -1.614 | 0.000000 |
| Shirala 132kV | 12/01/2020 21:00:00 | 85 | 22087.5 | 2815.0 | 0.0 | -2815.0 | 12.74 | 0.00 | -4.350 | 0.000000 |
| Shirala 132kV | 12/01/2020 21:15:00 | 86 | 22087.5 | 2840.0 | 0.0 | -2840.0 | 12.86 | 0.00 | -3.686 | 0.000000 |
| Shirala 132kV | 12/01/2020 21:30:00 | 87 | 22087.5 | 2920.0 | 1.0 | -2919.0 | 13.22 | 0.00 | -1.614 | 0.000000 |
| Shirala 132kV | 12/01/2020 21:45:00 | 88 | 22087.5 | 2942.5 | 1.0 | -2941.5 | 13.32 | 0.00 | 0.000 | 0.000000 |
| Shirala 132kV | 12/01/2020 22:00:00 | 89 | 22087.5 | 2967.5 | 0.0 | -2967.5 | 13.44 | 0.00 | -3.354 | 0.000000 |
| Shirala 132kV | 12/01/2020 22:15:00 | 90 | 22087.5 | 2972.5 | 1.0 | -2971.5 | 13.45 | 0.00 | 4.350 | 3628.055215 |
| Shirala 132kV | 12/01/2020 22:30:00 | 91 | 22087.5 | 2822.5 | 0.0 | -2822.5 | 12.78 | 0.00 | 5.215 | 6499.191923 |
| Shirala 132kV | 12/01/2020 22:45:00 | 92 | 22087.5 | 2835.0 | 3.0 | -2832.0 | 12.82 | 0.00 | 3.022 | 638.360222 |
| Shirala 132kV | 12/01/2020 23:00:00 | 93 | 22087.5 | 2815.0 | 0.0 | -2815.0 | 12.74 | 0.00 | 3.022 | 1389.829040 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shirala 132kV | 12/01/2020 23:15:00 | 94 | 22087.5 | 2840.0 | 0.0 | -2840.0 | 12.86 | 0.00 | 2.152 | 1396.165671 |
| Shirala 132kV | 12/01/2020 23:30:00 | 95 | 22087.5 | 2920.0 | 0.0 | -2920.0 | 13.22 | 0.00 | 2.152 | 826.065218 |
| Shirala 132kV | 12/01/2020 23:45:00 | 96 | 22087.5 | 2942.5 | 0.0 | -2942.5 | 13.32 | 0.00 | 2.152 | 956.455564 |
| Shivajinagar 220kV | 06/01/2020 00:00:00 | 1 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.903 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 00:15:00 | 2 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 00:30:00 | 3 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 00:45:00 | 4 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.984 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 01:00:00 | 5 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.541 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 01:15:00 | 6 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 01:30:00 | 7 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.541 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 01:45:00 | 8 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.352 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 02:00:00 | 9 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.747 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 02:15:00 | 10 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.581 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 02:30:00 | 11 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.323 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 02:45:00 | 12 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 03:00:00 | 13 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 03:15:00 | 14 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.742 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 03:30:00 | 15 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 03:45:00 | 16 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.541 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 04:00:00 | 17 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.496 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 04:15:00 | 18 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shivajinagar 220kV | 06/01/2020 04:30:00 | 19 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.859 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 04:45:00 | 20 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.815 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 05:00:00 | 21 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.859 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 05:15:00 | 22 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.407 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 05:30:00 | 23 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.496 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 05:45:00 | 24 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.492 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 06:00:00 | 25 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.452 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 06:15:00 | 26 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -6.089 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 06:30:00 | 27 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -7.044 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 06:45:00 | 28 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.682 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 07:00:00 | 29 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.859 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 07:15:00 | 30 | 57500.0 | 187.5 | 18.75 | -168.75 | 0.29 | 0.00 | 4.815 | 83.787436 |
| Shivajinagar 220kV | 06/01/2020 07:30:00 | 31 | 57500.0 | 505.0 | 160.94 | -344.06 | 0.6 | 0.00 | 4.178 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 07:45:00 | 32 | 57500.0 | 2162.5 | 829.69 | -1332.81 | 2.32 | 0.00 | -3.540 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 08:00:00 | 33 | 57500.0 | 3990.0 | 2128.12 | -1861.88 | 3.24 | 0.00 | -3.859 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 08:15:00 | 34 | 57500.0 | 6797.5 | 3953.12 | -2844.38 | 4.95 | 0.00 | -5.452 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 08:30:00 | 35 | 57500.0 | 10582.5 | 5867.19 | -4715.31 | 8.2 | 0.00 | 4.178 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 08:45:00 | 36 | 57500.0 | 14337.5 | 7926.56 | -6410.94 | 11.15 | 0.00 | -3.859 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 09:00:00 | 37 | 57500.0 | 19570.0 | 9776.56 | -9793.44 | 17.03 | 584.22 | -6.407 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 09:15:00 | 38 | 57500.0 | 23632.5 | 11517.19 | -12115.31 | 21.07 | 1745.16 | -8.000 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 09:30:00 | 39 | 57500.0 | 26540.0 | 13108.59 | -13431.41 | 23.36 | 2403.21 | -5.770 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shivajinagar 220kV | 06/01/2020 09:45:00 | 40 | 57500.0 | 29832.5 | 14590.62 | -15241.88 | 26.51 | 3741.88 | 3.222 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 10:00:00 | 41 | 57500.0 | 31742.5 | 15942.97 | -15799.53 | 27.48 | 4299.53 | -2.903 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 10:15:00 | 42 | 57500.0 | 33000.0 | 17185.16 | -15814.84 | 27.5 | 4314.84 | -3.222 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 10:30:00 | 43 | 57500.0 | 35600.0 | 18360.16 | -17239.84 | 29.98 | 5739.84 | 4.815 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 10:45:00 | 44 | 57500.0 | 36910.0 | 19400.0 | -17510.0 | 30.45 | 6010.00 | 4.496 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 11:00:00 | 45 | 57500.0 | 38595.0 | 20230.47 | -18364.53 | 31.94 | 6864.53 | 16.000 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 11:15:00 | 46 | 57500.0 | 39912.5 | 20916.4 | -18996.1 | 33.04 | 7496.10 | 5.133 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 11:30:00 | 47 | 57500.0 | 41720.0 | 21589.84 | -20130.16 | 35.01 | 8632.74 | 1.182 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 11:45:00 | 48 | 57500.0 | 42547.5 | 21994.53 | -20552.97 | 35.74 | 9266.96 | 6.308 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 12:00:00 | 49 | 57500.0 | 42635.0 | 22351.56 | -20283.44 | 35.28 | 8862.66 | 6.598 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 12:15:00 | 50 | 57500.0 | 43090.0 | 22485.16 | -20604.84 | 35.83 | 9344.76 | 5.431 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 12:30:00 | 51 | 57500.0 | 42190.0 | 22514.06 | -19675.94 | 34.22 | 8175.94 | 3.540 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 12:45:00 | 52 | 57500.0 | 42880.0 | 22475.0 | -20405.0 | 35.49 | 9045.00 | -2.903 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 13:00:00 | 53 | 57500.0 | 43362.5 | 22333.59 | -21028.91 | 36.57 | 9980.87 | -1.161 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 13:15:00 | 54 | 57500.0 | 41980.0 | 21991.41 | -19988.59 | 34.76 | 8488.59 | 3.859 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 13:30:00 | 55 | 57500.0 | 40427.5 | 21550.78 | -18876.72 | 32.83 | 7376.72 | -6.407 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 13:45:00 | 56 | 57500.0 | 39057.5 | 21100.0 | -17957.5 | 31.23 | 6457.50 | 5.452 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 14:00:00 | 57 | 57500.0 | 38550.0 | 20376.56 | -18173.44 | 31.61 | 6673.44 | 5.452 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 14:15:00 | 58 | 57500.0 | 37247.5 | 19696.09 | -17551.41 | 30.52 | 6051.41 | 16.000 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 14:30:00 | 59 | 57500.0 | 36260.0 | 18964.06 | -17295.94 | 30.08 | 5795.94 | 6.035 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 14:45:00 | 60 | 57500.0 | 34235.0 | 17941.41 | -16293.59 | 28.34 | 4793.59 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shivajinagar 220kV | 06/01/2020 15:00:00 | 61 | 57500.0 | 32282.5 | 16616.41 | -15666.09 | 27.25 | 4166.09 | 3.367 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 15:15:00 | 62 | 57500.0 | 30307.5 | 15210.94 | -15096.56 | 26.25 | 3596.56 | 3.904 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 15:30:00 | 63 | 57500.0 | 27232.5 | 13883.59 | -13348.91 | 23.22 | 2361.96 | 4.482 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 15:45:00 | 64 | 57500.0 | 24895.0 | 12223.44 | -12671.56 | 22.04 | 2023.28 | 4.225 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 16:00:00 | 65 | 57500.0 | 22917.5 | 10542.97 | -12374.53 | 21.52 | 1874.77 | 2.895 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 16:15:00 | 66 | 57500.0 | 19572.5 | 9042.19 | -10530.31 | 18.31 | 952.66 | 6.089 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 16:30:00 | 67 | 57500.0 | 16187.5 | 7656.25 | -8531.25 | 14.84 | 0.00 | -8.000 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 16:45:00 | 68 | 57500.0 | 11565.0 | 5714.84 | -5850.16 | 10.17 | 0.00 | -4.178 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 17:00:00 | 69 | 57500.0 | 8012.5 | 4039.84 | -3972.66 | 6.91 | 0.00 | 1.742 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 17:15:00 | 70 | 57500.0 | 4750.0 | 2444.53 | -2305.47 | 4.01 | 0.00 | 2.903 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 17:30:00 | 71 | 57500.0 | 1742.5 | 1238.28 | -504.22 | 0.88 | 0.00 | -4.178 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 17:45:00 | 72 | 57500.0 | 462.5 | 460.94 | -1.56 | 0.0 | 0.00 | -2.323 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 18:00:00 | 73 | 57500.0 | 460.0 | 145.31 | -314.69 | 0.55 | 0.00 | -2.903 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 18:15:00 | 74 | 57500.0 | 0.0 | 35.94 | 35.94 | 0.06 | 0.00 | 1.161 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 18:30:00 | 75 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.903 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 18:45:00 | 76 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.903 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 19:00:00 | 77 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.161 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 19:15:00 | 78 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.178 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 19:30:00 | 79 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.323 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 19:45:00 | 80 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.178 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 20:00:00 | 81 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shivajinagar 220kV | 06/01/2020 20:15:00 | 82 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.770 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 20:30:00 | 83 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.770 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 20:45:00 | 84 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.178 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 21:00:00 | 85 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 21:15:00 | 86 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.742 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 21:30:00 | 87 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 21:45:00 | 88 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.161 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 22:00:00 | 89 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.815 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 22:15:00 | 90 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.859 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 22:30:00 | 91 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.742 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 22:45:00 | 92 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.323 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 23:00:00 | 93 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.903 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 23:15:00 | 94 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 23:30:00 | 95 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.222 | 0.000000 |
| Shivajinagar 220kV | 06/01/2020 23:45:00 | 96 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 00:00:00 | 1 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.549 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 00:15:00 | 2 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.647 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 00:30:00 | 3 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.073 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 00:45:00 | 4 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.744 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 01:00:00 | 5 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 01:15:00 | 6 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shivajinagar 220kV | 07/01/2020 01:30:00 | 7 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 01:45:00 | 8 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 02:00:00 | 9 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.073 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 02:15:00 | 10 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.073 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 02:30:00 | 11 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.401 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 02:45:00 | 12 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.745 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 03:00:00 | 13 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 03:15:00 | 14 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.196 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 03:30:00 | 15 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 03:45:00 | 16 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.098 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 04:00:00 | 17 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 04:15:00 | 18 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.210 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 04:30:00 | 19 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 04:45:00 | 20 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.098 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 05:00:00 | 21 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.744 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 05:15:00 | 22 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 05:30:00 | 23 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.073 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 05:45:00 | 24 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 06:00:00 | 25 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.372 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 06:15:00 | 26 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.556 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 06:30:00 | 27 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.148 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shivajinagar 220kV | 07/01/2020 06:45:00 | 28 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 7.821 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 07:00:00 | 29 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.372 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 07:15:00 | 30 | 57500.0 | 187.5 | 19.53 | -167.97 | 0.29 | 0.00 | 16.000 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 07:30:00 | 31 | 57500.0 | 505.0 | 129.69 | -375.31 | 0.65 | 0.00 | 9.296 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 07:45:00 | 32 | 57500.0 | 2162.5 | 639.06 | -1523.44 | 2.65 | 0.00 | 9.794 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 08:00:00 | 33 | 57500.0 | 3990.0 | 1517.19 | -2472.81 | 4.3 | 0.00 | 3.593 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 08:15:00 | 34 | 57500.0 | 6797.5 | 2937.5 | -3860.0 | 6.71 | 0.00 | 3.401 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 08:30:00 | 35 | 57500.0 | 10582.5 | 4429.69 | -6152.81 | 10.7 | 0.00 | 3.245 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 08:45:00 | 36 | 57500.0 | 14337.5 | 6248.44 | -8089.06 | 14.07 | 0.00 | 0.000 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 09:00:00 | 37 | 57500.0 | 19570.0 | 7779.69 | -11790.31 | 20.5 | 1582.66 | 2.745 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 09:15:00 | 38 | 57500.0 | 23632.5 | 9476.56 | -14155.94 | 24.62 | 2765.47 | 4.715 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 09:30:00 | 39 | 57500.0 | 26540.0 | 11071.09 | -15468.91 | 26.9 | 3968.91 | 3.981 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 09:45:00 | 40 | 57500.0 | 29832.5 | 12607.03 | -17225.47 | 29.96 | 5725.47 | 3.730 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 10:00:00 | 41 | 57500.0 | 31742.5 | 13992.97 | -17749.53 | 30.87 | 6249.53 | 1.780 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 10:15:00 | 42 | 57500.0 | 33000.0 | 14564.84 | -18435.16 | 32.06 | 6935.16 | 5.643 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 10:30:00 | 43 | 57500.0 | 35600.0 | 14258.59 | -21341.41 | 37.12 | 10449.62 | 4.976 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 10:45:00 | 44 | 57500.0 | 36910.0 | 15101.56 | -21808.44 | 37.93 | 11150.16 | 4.415 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 11:00:00 | 45 | 57500.0 | 38595.0 | 16958.59 | -21636.41 | 37.63 | 10892.12 | 4.476 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 11:15:00 | 46 | 57500.0 | 39912.5 | 15589.06 | -24323.44 | 42.3 | 14922.66 | 4.826 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 11:30:00 | 47 | 57500.0 | 41720.0 | 15860.94 | -25859.06 | 44.97 | 17226.09 | 2.289 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 11:45:00 | 48 | 57500.0 | 42547.5 | 18082.03 | -24465.47 | 42.55 | 15135.71 | -0.549 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shivajinagar 220kV | 07/01/2020 12:00:00 | 49 | 57500.0 | 42635.0 | 19399.22 | -23235.78 | 40.41 | 13291.17 | 4.727 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 12:15:00 | 50 | 57500.0 | 43090.0 | 20262.5 | -22827.5 | 39.7 | 12678.75 | 4.777 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 12:30:00 | 51 | 57500.0 | 42190.0 | 19388.28 | -22801.72 | 39.66 | 12640.08 | 4.798 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 12:45:00 | 52 | 57500.0 | 42880.0 | 18055.47 | -24824.53 | 43.17 | 15674.30 | -3.401 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 13:00:00 | 53 | 57500.0 | 43362.5 | 13845.31 | -29517.19 | 51.33 | 22713.29 | -2.431 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 13:15:00 | 54 | 57500.0 | 41980.0 | 12752.35 | -29227.65 | 50.83 | 22278.98 | -4.387 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 13:30:00 | 55 | 57500.0 | 40427.5 | 13785.16 | -26642.34 | 46.33 | 18401.01 | -3.401 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 13:45:00 | 56 | 57500.0 | 39057.5 | 15600.0 | -23457.5 | 40.8 | 13623.75 | -5.044 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 14:00:00 | 57 | 57500.0 | 38550.0 | 12606.25 | -25943.75 | 45.12 | 17353.13 | 4.215 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 14:15:00 | 58 | 57500.0 | 37247.5 | 12539.06 | -24708.44 | 42.97 | 15500.16 | 9.552 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 14:30:00 | 59 | 57500.0 | 28377.5 | 12224.22 | -16153.28 | 28.09 | 4653.28 | 6.358 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 14:45:00 | 60 | 57500.0 | 22790.0 | 9005.47 | -13784.53 | 23.97 | 2579.77 | 2.744 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 15:00:00 | 61 | 57500.0 | 19815.0 | 7371.87 | -12443.13 | 21.64 | 1909.07 | -3.073 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 15:15:00 | 62 | 57500.0 | 16925.0 | 6485.16 | -10439.84 | 18.16 | 907.42 | -4.058 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 15:30:00 | 63 | 57500.0 | 14040.0 | 7879.69 | -6160.31 | 10.71 | 0.00 | -4.831 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 15:45:00 | 64 | 57500.0 | 12662.5 | 8316.4 | -4346.1 | 7.56 | 0.00 | -5.372 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 16:00:00 | 65 | 57500.0 | 11200.0 | 6693.75 | -4506.25 | 7.84 | 0.00 | 2.196 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 16:15:00 | 66 | 57500.0 | 10130.0 | 4517.19 | -5612.81 | 9.76 | 0.00 | -3.401 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 16:30:00 | 67 | 57500.0 | 9062.5 | 3276.56 | -5785.94 | 10.06 | 0.00 | 4.738 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 16:45:00 | 68 | 57500.0 | 7157.5 | 2203.13 | -4954.37 | 8.62 | 0.00 | 7.343 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 17:00:00 | 69 | 57500.0 | 5350.0 | 1778.91 | -3571.09 | 6.21 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shivajinagar 220kV | 07/01/2020 17:15:00 | 70 | 57500.0 | 3565.0 | 1214.06 | -2350.94 | 4.09 | 0.00 | 2.744 | 391.069764 |
| Shivajinagar 220kV | 07/01/2020 17:30:00 | 71 | 57500.0 | 1782.5 | 690.62 | -1091.88 | 1.9 | 0.00 | 3.401 | 72.096219 |
| Shivajinagar 220kV | 07/01/2020 17:45:00 | 72 | 57500.0 | 632.5 | 296.88 | -335.62 | 0.58 | 0.00 | -2.745 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 18:00:00 | 73 | 57500.0 | 92.5 | 132.81 | 40.31 | 0.07 | 0.00 | -3.073 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 18:15:00 | 74 | 57500.0 | 45.0 | 43.75 | -1.25 | 0.0 | 0.00 | -5.372 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 18:30:00 | 75 | 57500.0 | 10.0 | 0.0 | -10.0 | 0.02 | 0.00 | 3.401 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 18:45:00 | 76 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 19:00:00 | 77 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.730 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 19:15:00 | 78 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.715 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 19:30:00 | 79 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 19:45:00 | 80 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.210 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 20:00:00 | 81 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.348 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 20:15:00 | 82 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.387 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 20:30:00 | 83 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.816 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 20:45:00 | 84 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.401 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 21:00:00 | 85 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 21:15:00 | 86 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 21:30:00 | 87 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.196 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 21:45:00 | 88 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.196 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 22:00:00 | 89 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.257 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 22:15:00 | 90 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shivajinagar 220kV | 07/01/2020 22:30:00 | 91 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.098 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 22:45:00 | 92 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.647 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 23:00:00 | 93 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 23:15:00 | 94 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 23:30:00 | 95 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.196 | 0.000000 |
| Shivajinagar 220kV | 07/01/2020 23:45:00 | 96 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.549 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 00:00:00 | 1 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 00:15:00 | 2 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 00:30:00 | 3 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 00:45:00 | 4 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.424 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 01:00:00 | 5 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.170 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 01:15:00 | 6 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.761 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 01:30:00 | 7 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.665 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 01:45:00 | 8 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.665 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 02:00:00 | 9 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 02:15:00 | 10 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.347 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 02:30:00 | 11 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 02:45:00 | 12 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 03:00:00 | 13 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.428 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 03:15:00 | 14 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 03:30:00 | 15 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shivajinagar 220kV | 08/01/2020 03:45:00 | 16 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 04:00:00 | 17 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 04:15:00 | 18 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.665 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 04:30:00 | 19 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 04:45:00 | 20 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 05:00:00 | 21 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 05:15:00 | 22 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 05:30:00 | 23 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.428 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 05:45:00 | 24 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 06:00:00 | 25 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 06:15:00 | 26 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.220 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 06:30:00 | 27 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.387 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 06:45:00 | 28 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.734 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 07:00:00 | 29 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.407 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 07:15:00 | 30 | 57500.0 | 107.5 | 5.47 | -102.03 | 0.18 | 0.00 | 5.061 | 179.836478 |
| Shivajinagar 220kV | 08/01/2020 07:30:00 | 31 | 57500.0 | 400.0 | 58.59 | -341.41 | 0.59 | 0.00 | 5.714 | 575.788067 |
| Shivajinagar 220kV | 08/01/2020 07:45:00 | 32 | 57500.0 | 1847.5 | 134.37 | -1713.13 | 2.98 | 0.00 | 5.061 | 1135.864093 |
| Shivajinagar 220kV | 08/01/2020 08:00:00 | 33 | 57500.0 | 4047.5 | 453.12 | -3594.38 | 6.25 | 0.00 | 2.775 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 08:15:00 | 34 | 57500.0 | 6897.5 | 1872.66 | -5024.84 | 8.74 | 0.00 | 2.775 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 08:30:00 | 35 | 57500.0 | 10682.5 | 4093.75 | -6588.75 | 11.46 | 0.00 | 5.387 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 08:45:00 | 36 | 57500.0 | 13710.0 | 6110.94 | -7599.06 | 13.22 | 0.00 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shivajinagar 220kV | 08/01/2020 09:00:00 | 37 | 57500.0 | 17917.5 | 7883.59 | -10033.91 | 17.45 | 704.46 | 7.673 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 09:15:00 | 38 | 57500.0 | 20810.0 | 9236.72 | -11573.28 | 20.13 | 1474.14 | 7.673 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 09:30:00 | 39 | 57500.0 | 23850.0 | 10645.31 | -13204.69 | 22.96 | 2289.85 | 3.101 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 09:45:00 | 40 | 57500.0 | 27027.5 | 12166.41 | -14861.09 | 25.85 | 3361.09 | -3.101 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 10:00:00 | 41 | 57500.0 | 28792.5 | 13476.56 | -15315.94 | 26.64 | 3815.94 | -3.101 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 10:15:00 | 42 | 57500.0 | 30430.0 | 15227.34 | -15202.66 | 26.44 | 3702.66 | -3.101 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 10:30:00 | 43 | 57500.0 | 32340.0 | 16293.75 | -16046.25 | 27.91 | 4546.25 | -1.665 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 10:45:00 | 44 | 57500.0 | 33812.5 | 17559.38 | -16253.12 | 28.27 | 4753.12 | 0.000 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 11:00:00 | 45 | 57500.0 | 36552.5 | 17514.85 | -19037.65 | 33.11 | 7537.65 | -1.486 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 11:15:00 | 46 | 57500.0 | 36602.5 | 18170.31 | -18432.19 | 32.06 | 6932.19 | -1.305 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 11:30:00 | 47 | 57500.0 | 38437.5 | 18721.87 | -19715.63 | 34.29 | 8215.63 | -2.425 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 11:45:00 | 48 | 57500.0 | 40042.5 | 18335.16 | -21707.34 | 37.75 | 10998.51 | -2.775 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 12:00:00 | 49 | 57500.0 | 41105.0 | 18024.22 | -23080.78 | 40.14 | 13058.67 | -2.083 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 12:15:00 | 50 | 57500.0 | 42715.0 | 15474.22 | -27240.78 | 47.38 | 19298.67 | -3.242 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 12:30:00 | 51 | 57500.0 | 40377.5 | 13583.59 | -26793.91 | 46.6 | 18628.37 | -1.330 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 12:45:00 | 52 | 57500.0 | 39985.0 | 11742.97 | -28242.03 | 49.12 | 20800.55 | -0.830 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 13:00:00 | 53 | 57500.0 | 36512.5 | 14814.84 | -21697.66 | 37.74 | 10983.99 | 2.775 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 13:15:00 | 54 | 57500.0 | 36405.0 | 16092.97 | -20312.03 | 35.33 | 8905.55 | 0.000 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 13:30:00 | 55 | 57500.0 | 35797.5 | 17606.25 | -18191.25 | 31.64 | 6691.25 | -1.012 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 13:45:00 | 56 | 57500.0 | 33815.0 | 17102.34 | -16712.66 | 29.07 | 5212.66 | -1.087 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 14:00:00 | 57 | 57500.0 | 31192.5 | 17250.78 | -13941.72 | 24.25 | 2658.36 | -3.101 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shivajinagar 220kV | 08/01/2020 14:15:00 | 58 | 57500.0 | 31932.5 | 17503.9 | -14428.6 | 25.09 | 2928.60 | -4.081 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 14:30:00 | 59 | 57500.0 | 28015.0 | 17433.59 | -10581.41 | 18.4 | 978.21 | -2.996 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 14:45:00 | 60 | 57500.0 | 27055.0 | 16338.28 | -10716.72 | 18.64 | 1045.86 | -3.101 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 15:00:00 | 61 | 57500.0 | 24742.5 | 14812.5 | -9930.0 | 17.27 | 652.50 | -1.879 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 15:15:00 | 62 | 57500.0 | 21745.0 | 13720.31 | -8024.69 | 13.96 | 0.00 | -4.081 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 15:30:00 | 63 | 57500.0 | 20650.0 | 12418.75 | -8231.25 | 14.32 | 0.00 | 4.938 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 15:45:00 | 64 | 57500.0 | 18505.0 | 10061.72 | -8443.28 | 14.68 | 0.00 | 4.719 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 16:00:00 | 65 | 57500.0 | 16582.5 | 8732.81 | -7849.69 | 13.65 | 0.00 | 0.555 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 16:15:00 | 66 | 57500.0 | 13652.5 | 7157.81 | -6494.69 | 11.3 | 0.00 | -4.081 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 16:30:00 | 67 | 57500.0 | 12115.0 | 6239.06 | -5875.94 | 10.22 | 0.00 | -3.754 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 16:45:00 | 68 | 57500.0 | 8625.0 | 4591.41 | -4033.59 | 7.01 | 0.00 | -8.000 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 17:00:00 | 69 | 57500.0 | 6542.5 | 3157.81 | -3384.69 | 5.89 | 0.00 | 0.000 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 17:15:00 | 70 | 57500.0 | 3745.0 | 1662.5 | -2082.5 | 3.62 | 0.00 | 4.081 | 399.476359 |
| Shivajinagar 220kV | 08/01/2020 17:30:00 | 71 | 57500.0 | 1967.5 | 878.91 | -1088.59 | 1.89 | 0.00 | -5.387 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 17:45:00 | 72 | 57500.0 | 712.5 | 386.72 | -325.78 | 0.57 | 0.00 | -3.101 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 18:00:00 | 73 | 57500.0 | 290.0 | 146.88 | -143.12 | 0.25 | 0.00 | -2.775 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 18:15:00 | 74 | 57500.0 | 0.0 | 40.62 | 40.62 | 0.07 | 0.00 | -3.101 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 18:30:00 | 75 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 18:45:00 | 76 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.220 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 19:00:00 | 77 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 19:15:00 | 78 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shivajinagar 220kV | 08/01/2020 19:30:00 | 79 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 19:45:00 | 80 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.555 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 20:00:00 | 81 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 20:15:00 | 82 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.101 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 20:30:00 | 83 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.408 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 20:45:00 | 84 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.101 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 21:00:00 | 85 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.101 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 21:15:00 | 86 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.555 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 21:30:00 | 87 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 21:45:00 | 88 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 22:00:00 | 89 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.489 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 22:15:00 | 90 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 22:30:00 | 91 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.223 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 22:45:00 | 92 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 23:00:00 | 93 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 23:15:00 | 94 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 23:30:00 | 95 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Shivajinagar 220kV | 08/01/2020 23:45:00 | 96 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 00:00:00 | 1 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 00:15:00 | 2 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 00:30:00 | 3 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shivajinagar 220kV | 09/01/2020 00:45:00 | 4 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 01:00:00 | 5 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.519 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 01:15:00 | 6 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.519 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 01:30:00 | 7 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.199 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 01:45:00 | 8 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.519 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 02:00:00 | 9 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.519 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 02:15:00 | 10 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.879 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 02:30:00 | 11 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.199 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 02:45:00 | 12 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 03:00:00 | 13 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 03:15:00 | 14 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.839 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 03:30:00 | 15 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.199 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 03:45:00 | 16 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 04:00:00 | 17 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 04:15:00 | 18 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 04:30:00 | 19 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 04:45:00 | 20 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.879 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 05:00:00 | 21 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.839 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 05:15:00 | 22 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.119 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 05:30:00 | 23 | 57500.0 | 10.0 | 0.0 | -10.0 | 0.02 | 0.00 | 4.064 | 25.723897 |
| Shivajinagar 220kV | 09/01/2020 05:45:00 | 24 | 57500.0 | 10.0 | 0.0 | -10.0 | 0.02 | 0.00 | 1.152 | 0.070548 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shivajinagar 220kV | 09/01/2020 06:00:00 | 25 | 57500.0 | 12.5 | 0.0 | -12.5 | 0.02 | 0.00 | -2.303 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 06:15:00 | 26 | 57500.0 | 12.5 | 0.0 | -12.5 | 0.02 | 0.00 | 2.303 | 8.314355 |
| Shivajinagar 220kV | 09/01/2020 06:30:00 | 27 | 57500.0 | 12.5 | 0.0 | -12.5 | 0.02 | 0.00 | -3.839 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 06:45:00 | 28 | 57500.0 | 10.0 | 0.0 | -10.0 | 0.02 | 0.00 | -2.879 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 07:00:00 | 29 | 57500.0 | 2.5 | 0.78 | -1.72 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 07:15:00 | 30 | 57500.0 | 172.5 | 17.19 | -155.31 | 0.27 | 0.00 | 6.400 | 77.267758 |
| Shivajinagar 220kV | 09/01/2020 07:30:00 | 31 | 57500.0 | 600.0 | 137.5 | -462.5 | 0.8 | 0.00 | 1.172 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 07:45:00 | 32 | 57500.0 | 1980.0 | 777.34 | -1202.66 | 2.09 | 0.00 | 0.576 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 08:00:00 | 33 | 57500.0 | 3892.5 | 2012.5 | -1880.0 | 3.27 | 0.00 | -0.576 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 08:15:00 | 34 | 57500.0 | 7082.5 | 3816.41 | -3266.09 | 5.68 | 0.00 | -1.152 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 08:30:00 | 35 | 57500.0 | 10655.0 | 5810.94 | -4844.06 | 8.42 | 0.00 | 0.576 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 08:45:00 | 36 | 57500.0 | 14482.5 | 7820.31 | -6662.19 | 11.59 | 0.00 | 0.000 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 09:00:00 | 37 | 57500.0 | 18780.0 | 9818.75 | -8961.25 | 15.58 | 168.13 | 1.152 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 09:15:00 | 38 | 57500.0 | 21742.5 | 11830.47 | -9912.03 | 17.24 | 643.52 | 1.727 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 09:30:00 | 39 | 57500.0 | 24860.0 | 13579.69 | -11280.31 | 19.62 | 1327.66 | -3.839 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 09:45:00 | 40 | 57500.0 | 27817.5 | 15294.53 | -12522.97 | 21.78 | 1948.99 | -1.152 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 10:00:00 | 41 | 57500.0 | 30182.5 | 16757.81 | -13424.69 | 23.35 | 2399.85 | 0.000 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 10:15:00 | 42 | 57500.0 | 31520.0 | 18078.91 | -13441.09 | 23.38 | 2408.05 | 1.727 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 10:30:00 | 43 | 57500.0 | 34747.5 | 19244.53 | -15502.97 | 26.96 | 4002.97 | 2.303 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 10:45:00 | 44 | 57500.0 | 34560.0 | 20296.09 | -14263.91 | 24.81 | 2819.46 | -1.144 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 11:00:00 | 45 | 57500.0 | 34287.5 | 21091.41 | -13196.09 | 22.95 | 2285.55 | -4.479 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shivajinagar 220kV | 09/01/2020 11:15:00 | 46 | 57500.0 | 36395.0 | 21795.31 | -14599.69 | 25.39 | 3099.69 | -3.519 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 11:30:00 | 47 | 57500.0 | 39417.5 | 22364.84 | -17052.66 | 29.66 | 5552.66 | -2.303 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 11:45:00 | 48 | 57500.0 | 43940.0 | 22808.59 | -21131.41 | 36.75 | 10134.62 | -0.576 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 12:00:00 | 49 | 57500.0 | 44635.0 | 23182.03 | -21452.97 | 37.31 | 10616.96 | 0.000 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 12:15:00 | 50 | 57500.0 | 45180.0 | 23364.85 | -21815.15 | 37.94 | 11160.23 | 3.839 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 12:30:00 | 51 | 57500.0 | 45472.5 | 23406.25 | -22066.25 | 38.38 | 11536.88 | 3.199 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 12:45:00 | 52 | 57500.0 | 45205.0 | 23399.22 | -21805.78 | 37.92 | 11146.17 | 3.199 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 13:00:00 | 53 | 57500.0 | 43532.5 | 23121.87 | -20410.63 | 35.5 | 9053.45 | -1.152 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 13:15:00 | 54 | 57500.0 | 42395.0 | 22839.06 | -19555.94 | 34.01 | 8055.94 | -1.152 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 13:30:00 | 55 | 57500.0 | 41435.0 | 22427.34 | -19007.66 | 33.06 | 7507.66 | 1.727 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 13:45:00 | 56 | 57500.0 | 40572.5 | 21909.38 | -18663.12 | 32.46 | 7163.12 | 3.199 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 14:00:00 | 57 | 57500.0 | 39140.0 | 21296.87 | -17843.13 | 31.03 | 6343.13 | 4.345 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 14:15:00 | 58 | 57500.0 | 37242.5 | 20596.09 | -16646.41 | 28.95 | 5146.41 | 3.941 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 14:30:00 | 59 | 57500.0 | 35700.0 | 19665.62 | -16034.38 | 27.89 | 4534.38 | 1.152 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 14:45:00 | 60 | 57500.0 | 34305.0 | 18763.28 | -15541.72 | 27.03 | 4041.72 | -0.576 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 15:00:00 | 61 | 57500.0 | 31420.0 | 17739.85 | -13680.15 | 23.79 | 2527.58 | -1.006 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 15:15:00 | 62 | 57500.0 | 28672.5 | 16444.53 | -12227.97 | 21.27 | 1801.49 | 3.199 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 15:30:00 | 63 | 57500.0 | 26045.0 | 15044.53 | -11000.47 | 19.13 | 1187.74 | 2.879 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 15:45:00 | 64 | 57500.0 | 23202.5 | 13665.63 | -9536.87 | 16.59 | 455.94 | 3.839 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 16:00:00 | 65 | 57500.0 | 20467.5 | 12189.06 | -8278.44 | 14.4 | 0.00 | 1.727 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 16:15:00 | 66 | 57500.0 | 17442.5 | 10600.0 | -6842.5 | 11.9 | 0.00 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shivajinagar 220kV | 09/01/2020 16:30:00 | 67 | 57500.0 | 14167.5 | 9019.53 | -5147.97 | 8.95 | 0.00 | -4.159 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 16:45:00 | 68 | 57500.0 | 10665.0 | 7096.87 | -3568.13 | 6.21 | 0.00 | 3.839 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 17:00:00 | 69 | 57500.0 | 8245.0 | 5162.5 | -3082.5 | 5.36 | 0.00 | 1.727 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 17:15:00 | 70 | 57500.0 | 5582.5 | 3285.16 | -2297.34 | 4.0 | 0.00 | 3.839 | 789.631968 |
| Shivajinagar 220kV | 09/01/2020 17:30:00 | 71 | 57500.0 | 3155.0 | 1731.25 | -1423.75 | 2.48 | 0.00 | -2.879 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 17:45:00 | 72 | 57500.0 | 1090.0 | 448.44 | -641.56 | 1.12 | 0.00 | -4.146 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 18:00:00 | 73 | 57500.0 | 545.0 | 1.56 | -543.44 | 0.95 | 0.00 | -3.349 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 18:15:00 | 74 | 57500.0 | 190.0 | 0.0 | -190.0 | 0.33 | 0.00 | -4.563 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 18:30:00 | 75 | 57500.0 | 47.5 | 0.0 | -47.5 | 0.08 | 0.00 | -3.839 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 18:45:00 | 76 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 19:00:00 | 77 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.199 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 19:15:00 | 78 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 19:30:00 | 79 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.442 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 19:45:00 | 80 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.286 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 20:00:00 | 81 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.070 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 20:15:00 | 82 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.236 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 20:30:00 | 83 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.799 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 20:45:00 | 84 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 21:00:00 | 85 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 21:15:00 | 86 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 21:30:00 | 87 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shivajinagar 220kV | 09/01/2020 21:45:00 | 88 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.303 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 22:00:00 | 89 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.795 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 22:15:00 | 90 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.674 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 22:30:00 | 91 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.303 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 22:45:00 | 92 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.152 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 23:00:00 | 93 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 23:15:00 | 94 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 23:30:00 | 95 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Shivajinagar 220kV | 09/01/2020 23:45:00 | 96 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.987 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 00:00:00 | 1 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.680 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 00:15:00 | 2 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.326 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 00:30:00 | 3 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.992 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 00:45:00 | 4 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.532 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 01:00:00 | 5 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.713 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 01:15:00 | 6 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.548 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 01:30:00 | 7 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 01:45:00 | 8 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 02:00:00 | 9 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.342 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 02:15:00 | 10 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.595 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 02:30:00 | 11 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.326 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 02:45:00 | 12 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shivajinagar 220kV | 10/01/2020 03:00:00 | 13 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.658 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 03:15:00 | 14 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 03:30:00 | 15 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 03:45:00 | 16 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.063 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 04:00:00 | 17 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.595 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 04:15:00 | 18 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.326 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 04:30:00 | 19 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.326 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 04:45:00 | 20 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 05:00:00 | 21 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.992 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 05:15:00 | 22 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.063 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 05:30:00 | 23 | 57500.0 | 5.0 | 0.0 | -5.0 | 0.01 | 0.00 | -2.658 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 05:45:00 | 24 | 57500.0 | 5.0 | 0.0 | -5.0 | 0.01 | 0.00 | 2.127 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 06:00:00 | 25 | 57500.0 | 10.0 | 0.0 | -10.0 | 0.02 | 0.00 | -2.127 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 06:15:00 | 26 | 57500.0 | 15.0 | 0.0 | -15.0 | 0.03 | 0.00 | 2.658 | 3.805326 |
| Shivajinagar 220kV | 10/01/2020 06:30:00 | 27 | 57500.0 | 27.5 | 0.0 | -27.5 | 0.05 | 0.00 | -2.992 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 06:45:00 | 28 | 57500.0 | 45.0 | 0.0 | -45.0 | 0.08 | 0.00 | -3.077 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 07:00:00 | 29 | 57500.0 | 482.5 | 0.0 | -482.5 | 0.84 | 0.00 | -0.687 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 07:15:00 | 30 | 57500.0 | 1015.0 | 7.03 | -1007.97 | 1.75 | 0.00 | -2.658 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 07:30:00 | 31 | 57500.0 | 1922.5 | 138.28 | -1784.22 | 3.1 | 0.00 | -1.063 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 07:45:00 | 32 | 57500.0 | 3182.5 | 745.31 | -2437.19 | 4.24 | 0.00 | -2.658 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 08:00:00 | 33 | 57500.0 | 5660.0 | 1913.28 | -3746.72 | 6.52 | 0.00 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shivajinagar 220kV | 10/01/2020 08:15:00 | 34 | 57500.0 | 9130.0 | 3603.13 | -5526.87 | 9.61 | 0.00 | -4.661 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 08:30:00 | 35 | 57500.0 | 12605.0 | 5295.31 | -7309.69 | 12.71 | 0.00 | 5.663 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 08:45:00 | 36 | 57500.0 | 16685.0 | 7271.88 | -9413.12 | 16.37 | 394.06 | 4.328 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 09:00:00 | 37 | 57500.0 | 20782.5 | 9017.97 | -11764.53 | 20.46 | 1569.77 | -4.995 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 09:15:00 | 38 | 57500.0 | 24270.0 | 10813.28 | -13456.72 | 23.4 | 2415.86 | -4.327 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 09:30:00 | 39 | 57500.0 | 27770.0 | 12384.38 | -15385.62 | 26.76 | 3885.62 | -2.127 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 09:45:00 | 40 | 57500.0 | 30545.0 | 13963.28 | -16581.72 | 28.84 | 5081.72 | -1.152 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 10:00:00 | 41 | 57500.0 | 33537.5 | 15384.38 | -18153.12 | 31.57 | 6653.12 | 0.000 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 10:15:00 | 42 | 57500.0 | 35307.5 | 16620.31 | -18687.19 | 32.5 | 7187.19 | -0.532 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 10:30:00 | 43 | 57500.0 | 38035.0 | 17890.62 | -20144.38 | 35.03 | 8654.07 | -1.063 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 10:45:00 | 44 | 57500.0 | 39365.0 | 19156.25 | -20208.75 | 35.15 | 8750.63 | 0.000 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 11:00:00 | 45 | 57500.0 | 39392.5 | 20132.03 | -19260.47 | 33.5 | 7760.47 | 2.658 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 11:15:00 | 46 | 57500.0 | 40642.5 | 20993.75 | -19648.75 | 34.17 | 8148.75 | 0.000 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 11:30:00 | 47 | 57500.0 | 43202.5 | 21623.44 | -21579.06 | 37.53 | 10806.09 | -1.595 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 11:45:00 | 48 | 57500.0 | 44097.5 | 22190.62 | -21906.88 | 38.1 | 11297.82 | 2.992 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 12:00:00 | 49 | 57500.0 | 44422.5 | 22739.84 | -21682.66 | 37.71 | 10961.49 | 0.000 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 12:15:00 | 50 | 57500.0 | 44992.5 | 22908.59 | -22083.91 | 38.41 | 11563.37 | 2.127 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 12:30:00 | 51 | 57500.0 | 44807.5 | 22920.31 | -21887.19 | 38.06 | 11268.29 | 1.595 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 12:45:00 | 52 | 57500.0 | 44082.5 | 22896.09 | -21186.41 | 36.85 | 10217.12 | -1.063 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 13:00:00 | 53 | 57500.0 | 44052.5 | 22634.37 | -21418.13 | 37.25 | 10564.70 | 2.658 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 13:15:00 | 54 | 57500.0 | 42655.0 | 22357.81 | -20297.19 | 35.3 | 8883.29 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shivajinagar 220kV | 10/01/2020 13:30:00 | 55 | 57500.0 | 41657.5 | 22028.13 | -19629.37 | 34.14 | 8129.37 | 2.127 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 13:45:00 | 56 | 57500.0 | 41192.5 | 21425.78 | -19766.72 | 34.38 | 8266.72 | -3.326 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 14:00:00 | 57 | 57500.0 | 40057.5 | 20741.41 | -19316.09 | 33.59 | 7816.09 | -2.992 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 14:15:00 | 58 | 57500.0 | 38240.0 | 19922.66 | -18317.34 | 31.86 | 6817.34 | 3.660 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 14:30:00 | 59 | 57500.0 | 37340.0 | 19100.0 | -18240.0 | 31.72 | 6740.00 | -2.127 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 14:45:00 | 60 | 57500.0 | 35750.0 | 18258.59 | -17491.41 | 30.42 | 5991.41 | -2.127 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 15:00:00 | 61 | 57500.0 | 33167.5 | 17087.5 | -16080.0 | 27.97 | 4580.00 | 0.000 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 15:15:00 | 62 | 57500.0 | 30327.5 | 15751.56 | -14575.94 | 25.35 | 3075.94 | -2.992 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 15:30:00 | 63 | 57500.0 | 27637.5 | 14412.5 | -13225.0 | 23.0 | 2300.00 | -4.995 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 15:45:00 | 64 | 57500.0 | 24995.0 | 12835.16 | -12159.84 | 21.15 | 1767.42 | -4.327 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 16:00:00 | 65 | 57500.0 | 21612.5 | 11278.12 | -10334.38 | 17.97 | 854.69 | -4.995 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 16:15:00 | 66 | 57500.0 | 18475.0 | 9547.66 | -8927.34 | 15.53 | 151.17 | -8.000 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 16:30:00 | 67 | 57500.0 | 14972.5 | 7949.22 | -7023.28 | 12.21 | 0.00 | -8.000 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 16:45:00 | 68 | 57500.0 | 11320.0 | 6224.22 | -5095.78 | 8.86 | 0.00 | 4.327 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 17:00:00 | 69 | 57500.0 | 8397.5 | 4528.91 | -3868.59 | 6.73 | 0.00 | 0.532 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 17:15:00 | 70 | 57500.0 | 5337.5 | 2817.19 | -2520.31 | 4.38 | 0.00 | -1.595 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 17:30:00 | 71 | 57500.0 | 2502.5 | 1490.62 | -1011.88 | 1.76 | 0.00 | -2.658 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 17:45:00 | 72 | 57500.0 | 1270.0 | 607.03 | -662.97 | 1.15 | 0.00 | -2.127 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 18:00:00 | 73 | 57500.0 | 360.0 | 177.34 | -182.66 | 0.32 | 0.00 | -1.461 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 18:15:00 | 74 | 57500.0 | 157.5 | 52.34 | -105.16 | 0.18 | 0.00 | 3.326 | 36.954919 |
| Shivajinagar 220kV | 10/01/2020 18:30:00 | 75 | 57500.0 | 122.5 | 1.56 | -120.94 | 0.21 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shivajinagar 220kV | 10/01/2020 18:45:00 | 76 | 57500.0 | 52.5 | 0.0 | -52.5 | 0.09 | 0.00 | 3.994 | 8.763529 |
| Shivajinagar 220kV | 10/01/2020 19:00:00 | 77 | 57500.0 | 5.0 | 0.0 | -5.0 | 0.01 | 0.00 | -2.127 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 19:15:00 | 78 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 19:30:00 | 79 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.660 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 19:45:00 | 80 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.326 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 20:00:00 | 81 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.660 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 20:15:00 | 82 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.660 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 20:30:00 | 83 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.995 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 20:45:00 | 84 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.992 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 21:00:00 | 85 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.660 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 21:15:00 | 86 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.595 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 21:30:00 | 87 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.063 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 21:45:00 | 88 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.532 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 22:00:00 | 89 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.595 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 22:15:00 | 90 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.127 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 22:30:00 | 91 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.063 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 22:45:00 | 92 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 23:00:00 | 93 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 23:15:00 | 94 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 23:30:00 | 95 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Shivajinagar 220kV | 10/01/2020 23:45:00 | 96 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shivajinagar 220kV | 11/01/2020 00:00:00 | 1 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 00:15:00 | 2 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.629 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 00:30:00 | 3 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.577 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 00:45:00 | 4 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.103 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 01:00:00 | 5 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 01:15:00 | 6 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.052 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 01:30:00 | 7 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.577 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 01:45:00 | 8 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.526 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 02:00:00 | 9 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.403 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 02:15:00 | 10 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.630 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 02:30:00 | 11 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.526 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 02:45:00 | 12 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.526 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 03:00:00 | 13 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.051 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 03:15:00 | 14 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 03:30:00 | 15 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 03:45:00 | 16 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 04:00:00 | 17 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 04:15:00 | 18 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.051 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 04:30:00 | 19 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.964 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 04:45:00 | 20 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.300 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 05:00:00 | 21 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shivajinagar 220kV | 11/01/2020 05:15:00 | 22 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.314 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 05:30:00 | 23 | 57500.0 | 12.5 | 0.0 | -12.5 | 0.02 | 0.00 | 2.964 | 7.568160 |
| Shivajinagar 220kV | 11/01/2020 05:45:00 | 24 | 57500.0 | 12.5 | 0.0 | -12.5 | 0.02 | 0.00 | 2.103 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 06:00:00 | 25 | 57500.0 | 12.5 | 0.0 | -12.5 | 0.02 | 0.00 | 3.636 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 06:15:00 | 26 | 57500.0 | 12.5 | 0.0 | -12.5 | 0.02 | 0.00 | 2.964 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 06:30:00 | 27 | 57500.0 | 12.5 | 0.0 | -12.5 | 0.02 | 0.00 | 4.105 | 9.182883 |
| Shivajinagar 220kV | 11/01/2020 06:45:00 | 28 | 57500.0 | 12.5 | 0.0 | -12.5 | 0.02 | 0.00 | 5.650 | 1.933154 |
| Shivajinagar 220kV | 11/01/2020 07:00:00 | 29 | 57500.0 | 7.5 | 0.0 | -7.5 | 0.01 | 0.00 | 3.300 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 07:15:00 | 30 | 57500.0 | 240.0 | 7.81 | -232.19 | 0.4 | 0.00 | 5.314 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 07:30:00 | 31 | 57500.0 | 1232.5 | 121.09 | -1111.41 | 1.93 | 0.00 | 2.964 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 07:45:00 | 32 | 57500.0 | 2392.5 | 751.56 | -1640.94 | 2.85 | 0.00 | 2.103 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 08:00:00 | 33 | 57500.0 | 5072.5 | 1823.44 | -3249.06 | 5.65 | 0.00 | -1.577 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 08:15:00 | 34 | 57500.0 | 8975.0 | 3441.41 | -5533.59 | 9.62 | 0.00 | 3.300 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 08:30:00 | 35 | 57500.0 | 11780.0 | 5261.72 | -6518.28 | 11.34 | 0.00 | 2.116 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 08:45:00 | 36 | 57500.0 | 16182.5 | 7117.19 | -9065.31 | 15.77 | 220.16 | 2.964 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 09:00:00 | 37 | 57500.0 | 19672.5 | 8795.31 | -10877.19 | 18.92 | 1126.10 | 6.681 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 09:15:00 | 38 | 57500.0 | 22575.0 | 10635.16 | -11939.84 | 20.76 | 1657.42 | 6.657 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 09:30:00 | 39 | 57500.0 | 26372.5 | 12282.81 | -14089.69 | 24.5 | 2732.35 | -6.322 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 09:45:00 | 40 | 57500.0 | 29225.0 | 13789.84 | -15435.16 | 26.84 | 3935.16 | -2.103 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 10:00:00 | 41 | 57500.0 | 31772.5 | 15136.72 | -16635.78 | 28.93 | 5135.78 | 0.526 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 10:15:00 | 42 | 57500.0 | 34717.5 | 16301.56 | -18415.94 | 32.03 | 6915.94 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shivajinagar 220kV | 11/01/2020 10:30:00 | 43 | 57500.0 | 37032.5 | 17381.25 | -19651.25 | 34.18 | 8151.25 | 0.000 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 10:45:00 | 44 | 57500.0 | 38950.0 | 18339.84 | -20610.16 | 35.84 | 9352.74 | 0.000 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 11:00:00 | 45 | 57500.0 | 40640.0 | 18924.22 | -21715.78 | 37.77 | 11011.17 | 0.000 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 11:15:00 | 46 | 57500.0 | 42685.0 | 19612.5 | -23072.5 | 40.13 | 13046.25 | -2.964 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 11:30:00 | 47 | 57500.0 | 43062.5 | 20157.03 | -22905.47 | 39.84 | 12795.71 | -4.307 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 11:45:00 | 48 | 57500.0 | 44392.5 | 20710.16 | -23682.34 | 41.19 | 13961.01 | -3.300 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 12:00:00 | 49 | 57500.0 | 44642.5 | 21127.35 | -23515.15 | 40.9 | 13710.23 | -0.526 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 12:15:00 | 50 | 57500.0 | 45425.0 | 21278.91 | -24146.09 | 41.99 | 14656.64 | -2.103 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 12:30:00 | 51 | 57500.0 | 45135.0 | 21392.19 | -23742.81 | 41.29 | 14051.72 | -2.629 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 12:45:00 | 52 | 57500.0 | 45307.5 | 21389.06 | -23918.44 | 41.6 | 14315.16 | -2.629 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 13:00:00 | 53 | 57500.0 | 44537.5 | 21260.94 | -23276.56 | 40.48 | 13352.34 | 0.000 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 13:15:00 | 54 | 57500.0 | 43700.0 | 20917.19 | -22782.81 | 39.62 | 12611.72 | -2.103 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 13:30:00 | 55 | 57500.0 | 43115.0 | 20562.5 | -22552.5 | 39.22 | 12266.25 | 2.629 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 13:45:00 | 56 | 57500.0 | 41940.0 | 20074.22 | -21865.78 | 38.03 | 11236.17 | 2.103 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 14:00:00 | 57 | 57500.0 | 40272.5 | 19435.16 | -20837.34 | 36.24 | 9693.51 | 1.051 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 14:15:00 | 58 | 57500.0 | 39027.5 | 18697.66 | -20329.84 | 35.36 | 8932.26 | 3.300 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 14:30:00 | 59 | 57500.0 | 37250.0 | 17704.69 | -19545.31 | 33.99 | 8045.31 | -3.636 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 14:45:00 | 60 | 57500.0 | 35212.5 | 16578.91 | -18633.59 | 32.41 | 7133.59 | 4.979 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 15:00:00 | 61 | 57500.0 | 32945.0 | 15393.75 | -17551.25 | 30.52 | 6051.25 | -2.964 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 15:15:00 | 62 | 57500.0 | 30232.5 | 13976.56 | -16255.94 | 28.27 | 4755.94 | -5.314 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 15:30:00 | 63 | 57500.0 | 27685.0 | 12777.34 | -14907.66 | 25.93 | 3407.66 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shivajinagar 220kV | 11/01/2020 15:45:00 | 64 | 57500.0 | 24345.0 | 11300.78 | -13044.22 | 22.69 | 2209.61 | 4.643 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 16:00:00 | 65 | 57500.0 | 20865.0 | 9858.59 | -11006.41 | 19.14 | 1190.71 | 2.103 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 16:15:00 | 66 | 57500.0 | 17857.5 | 8271.09 | -9586.41 | 16.67 | 480.71 | -2.964 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 16:30:00 | 67 | 57500.0 | 13997.5 | 6675.78 | -7321.72 | 12.73 | 0.00 | -2.103 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 16:45:00 | 68 | 57500.0 | 10950.0 | 5125.78 | -5824.22 | 10.13 | 0.00 | 3.972 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 17:00:00 | 69 | 57500.0 | 7487.5 | 3594.53 | -3892.97 | 6.77 | 0.00 | -1.577 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 17:15:00 | 70 | 57500.0 | 3900.0 | 2244.53 | -1655.47 | 2.88 | 0.00 | -1.577 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 17:30:00 | 71 | 57500.0 | 2272.5 | 1209.38 | -1063.12 | 1.85 | 0.00 | 1.051 | 13.564714 |
| Shivajinagar 220kV | 11/01/2020 17:45:00 | 72 | 57500.0 | 1002.5 | 491.41 | -511.09 | 0.89 | 0.00 | -2.103 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 18:00:00 | 73 | 57500.0 | 202.5 | 160.16 | -42.34 | 0.07 | 0.00 | -2.964 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 18:15:00 | 74 | 57500.0 | 87.5 | 46.88 | -40.62 | 0.07 | 0.00 | -2.629 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 18:30:00 | 75 | 57500.0 | 70.0 | 0.78 | -69.22 | 0.12 | 0.00 | 2.103 | 2.433256 |
| Shivajinagar 220kV | 11/01/2020 18:45:00 | 76 | 57500.0 | 27.5 | 0.0 | -27.5 | 0.05 | 0.00 | 0.526 | 2.830484 |
| Shivajinagar 220kV | 11/01/2020 19:00:00 | 77 | 57500.0 | 2.5 | 0.0 | -2.5 | 0.0 | 0.00 | 2.103 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 19:15:00 | 78 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.052 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 19:30:00 | 79 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 19:45:00 | 80 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.629 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 20:00:00 | 81 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.629 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 20:15:00 | 82 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.307 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 20:30:00 | 83 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 20:45:00 | 84 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.629 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shivajinagar 220kV | 11/01/2020 21:00:00 | 85 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.636 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 21:15:00 | 86 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.577 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 21:30:00 | 87 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.577 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 21:45:00 | 88 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.052 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 22:00:00 | 89 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.650 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 22:15:00 | 90 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.650 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 22:30:00 | 91 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.979 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 22:45:00 | 92 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 23:00:00 | 93 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.577 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 23:15:00 | 94 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.074 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 23:30:00 | 95 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.113 | 0.000000 |
| Shivajinagar 220kV | 11/01/2020 23:45:00 | 96 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.162 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 00:00:00 | 1 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 00:15:00 | 2 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 00:30:00 | 3 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 00:45:00 | 4 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 01:00:00 | 5 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.629 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 01:15:00 | 6 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.317 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 01:30:00 | 7 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.354 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 01:45:00 | 8 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 02:00:00 | 9 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shivajinagar 220kV | 12/01/2020 02:15:00 | 10 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 02:30:00 | 11 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.690 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 02:45:00 | 12 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 03:00:00 | 13 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.354 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 03:15:00 | 14 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 03:30:00 | 15 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.354 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 03:45:00 | 16 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 04:00:00 | 17 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 04:15:00 | 18 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 04:30:00 | 19 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.076 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 04:45:00 | 20 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 05:00:00 | 21 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.686 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 05:15:00 | 22 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.686 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 05:30:00 | 23 | 57500.0 | 12.5 | 0.0 | -12.5 | 0.02 | 0.00 | -1.614 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 05:45:00 | 24 | 57500.0 | 12.5 | 0.0 | -12.5 | 0.02 | 0.00 | -0.496 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 06:00:00 | 25 | 57500.0 | 12.5 | 0.0 | -12.5 | 0.02 | 0.00 | 0.000 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 06:15:00 | 26 | 57500.0 | 12.5 | 0.0 | -12.5 | 0.02 | 0.00 | -0.430 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 06:30:00 | 27 | 57500.0 | 12.5 | 0.0 | -12.5 | 0.02 | 0.00 | -2.152 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 06:45:00 | 28 | 57500.0 | 12.5 | 0.0 | -12.5 | 0.02 | 0.00 | 4.681 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 07:00:00 | 29 | 57500.0 | 7.5 | 0.0 | -7.5 | 0.01 | 0.00 | 1.614 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 07:15:00 | 30 | 57500.0 | 225.0 | 6.25 | -218.75 | 0.38 | 0.00 | 3.838 | 181.049813 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shivajinagar 220kV | 12/01/2020 07:30:00 | 31 | 57500.0 | 1192.5 | 93.75 | -1098.75 | 1.91 | 0.00 | 3.022 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 07:45:00 | 32 | 57500.0 | 2297.5 | 563.28 | -1734.22 | 3.02 | 0.00 | 2.690 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 08:00:00 | 33 | 57500.0 | 4887.5 | 1401.56 | -3485.94 | 6.06 | 0.00 | -2.690 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 08:15:00 | 34 | 57500.0 | 8710.0 | 2682.03 | -6027.97 | 10.48 | 0.00 | -4.018 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 08:30:00 | 35 | 57500.0 | 11422.5 | 4159.38 | -7263.12 | 12.63 | 0.00 | -2.690 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 08:45:00 | 36 | 57500.0 | 15740.0 | 6019.53 | -9720.47 | 16.91 | 547.74 | 3.022 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 09:00:00 | 37 | 57500.0 | 19150.0 | 7703.12 | -11446.88 | 19.91 | 1410.94 | -3.354 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 09:15:00 | 38 | 57500.0 | 21972.5 | 9402.34 | -12570.16 | 21.86 | 1972.58 | -4.350 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 09:30:00 | 39 | 57500.0 | 25695.0 | 11000.0 | -14695.0 | 25.56 | 3195.00 | 2.152 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 09:45:00 | 40 | 57500.0 | 28477.5 | 12458.59 | -16018.91 | 27.86 | 4518.91 | -2.690 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 10:00:00 | 41 | 57500.0 | 30962.5 | 13946.09 | -17016.41 | 29.59 | 5516.41 | -3.354 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 10:15:00 | 42 | 57500.0 | 33857.5 | 15245.31 | -18612.19 | 32.37 | 7112.19 | -3.686 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 10:30:00 | 43 | 57500.0 | 36102.5 | 16410.94 | -19691.56 | 34.25 | 8191.56 | -1.614 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 10:45:00 | 44 | 57500.0 | 37967.5 | 17407.03 | -20560.47 | 35.76 | 9278.21 | 3.686 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 11:00:00 | 45 | 57500.0 | 39617.5 | 18242.97 | -21374.53 | 37.17 | 10499.30 | -3.354 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 11:15:00 | 46 | 57500.0 | 41632.5 | 18996.88 | -22635.62 | 39.37 | 12390.93 | -5.450 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 11:30:00 | 47 | 57500.0 | 41990.0 | 19623.44 | -22366.56 | 38.9 | 11987.34 | -6.009 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 11:45:00 | 48 | 57500.0 | 43300.0 | 20128.91 | -23171.09 | 40.3 | 13194.14 | 2.690 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 12:00:00 | 49 | 57500.0 | 43537.5 | 20489.84 | -23047.66 | 40.08 | 13008.99 | 3.686 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 12:15:00 | 50 | 57500.0 | 44327.5 | 20660.16 | -23667.34 | 41.16 | 13938.51 | -5.345 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 12:30:00 | 51 | 57500.0 | 44030.0 | 20760.94 | -23269.06 | 40.47 | 13341.09 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shivajinagar 220kV | 12/01/2020 12:45:00 | 52 | 57500.0 | 44212.5 | 20664.84 | -23547.66 | 40.95 | 13758.99 | -5.345 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 13:00:00 | 53 | 57500.0 | 43462.5 | 20491.41 | -22971.09 | 39.95 | 12894.14 | -3.999 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 13:15:00 | 54 | 57500.0 | 42642.5 | 20092.97 | -22549.53 | 39.22 | 12261.80 | -4.350 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 13:30:00 | 55 | 57500.0 | 42090.0 | 19773.44 | -22316.56 | 38.81 | 11912.34 | -1.076 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 13:45:00 | 56 | 57500.0 | 40945.0 | 19464.84 | -21480.16 | 37.36 | 10657.74 | -2.690 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 14:00:00 | 57 | 57500.0 | 39317.5 | 18673.44 | -20644.06 | 35.9 | 9403.59 | -0.538 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 14:15:00 | 58 | 57500.0 | 38110.0 | 17928.91 | -20181.09 | 35.1 | 8709.14 | -2.152 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 14:30:00 | 59 | 57500.0 | 36375.0 | 17148.44 | -19226.56 | 33.44 | 7726.56 | -2.690 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 14:45:00 | 60 | 57500.0 | 34392.5 | 16194.53 | -18197.97 | 31.65 | 6697.97 | -1.076 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 15:00:00 | 61 | 57500.0 | 32192.5 | 14963.28 | -17229.22 | 29.96 | 5729.22 | 0.000 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 15:15:00 | 62 | 57500.0 | 29550.0 | 13534.37 | -16015.63 | 27.85 | 4515.63 | -2.690 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 15:30:00 | 63 | 57500.0 | 27082.5 | 12332.81 | -14749.69 | 25.65 | 3249.69 | -3.022 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 15:45:00 | 64 | 57500.0 | 23820.0 | 11039.85 | -12780.15 | 22.23 | 2077.58 | -3.686 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 16:00:00 | 65 | 57500.0 | 20420.0 | 9680.47 | -10739.53 | 18.68 | 1057.27 | -3.737 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 16:15:00 | 66 | 57500.0 | 17490.0 | 8239.84 | -9250.16 | 16.09 | 312.58 | -5.786 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 16:30:00 | 67 | 57500.0 | 13710.0 | 6827.34 | -6882.66 | 11.97 | 0.00 | -4.350 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 16:45:00 | 68 | 57500.0 | 10747.5 | 5187.5 | -5560.0 | 9.67 | 0.00 | -1.614 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 17:00:00 | 69 | 57500.0 | 7365.0 | 3639.84 | -3725.16 | 6.48 | 0.00 | 0.000 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 17:15:00 | 70 | 57500.0 | 3845.0 | 2184.38 | -1660.62 | 2.89 | 0.00 | 2.690 | 430.521981 |
| Shivajinagar 220kV | 12/01/2020 17:30:00 | 71 | 57500.0 | 2250.0 | 1161.72 | -1088.28 | 1.89 | 0.00 | -3.022 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 17:45:00 | 72 | 57500.0 | 1000.0 | 451.56 | -548.44 | 0.95 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shivajinagar 220kV | 12/01/2020 18:00:00 | 73 | 57500.0 | 192.5 | 147.66 | -44.84 | 0.08 | 0.00 | -0.538 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 18:15:00 | 74 | 57500.0 | 82.5 | 42.19 | -40.31 | 0.07 | 0.00 | -4.350 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 18:30:00 | 75 | 57500.0 | 67.5 | 0.78 | -66.72 | 0.12 | 0.00 | 2.690 | 11.473521 |
| Shivajinagar 220kV | 12/01/2020 18:45:00 | 76 | 57500.0 | 25.0 | 0.0 | -25.0 | 0.04 | 0.00 | 3.022 | 27.696718 |
| Shivajinagar 220kV | 12/01/2020 19:00:00 | 77 | 57500.0 | 2.5 | 0.0 | -2.5 | 0.0 | 0.00 | 3.686 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 19:15:00 | 78 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.690 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 19:30:00 | 79 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 19:45:00 | 80 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.781 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 20:00:00 | 81 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.021 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 20:15:00 | 82 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.018 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 20:30:00 | 83 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.354 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 20:45:00 | 84 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.614 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 21:00:00 | 85 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.350 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 21:15:00 | 86 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.686 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 21:30:00 | 87 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.614 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 21:45:00 | 88 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 22:00:00 | 89 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.354 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 22:15:00 | 90 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.350 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 22:30:00 | 91 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.215 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 22:45:00 | 92 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 23:00:00 | 93 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Shivajinagar 220kV | 12/01/2020 23:15:00 | 94 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 23:30:00 | 95 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Shivajinagar 220kV | 12/01/2020 23:45:00 | 96 | 57500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Supa 132kV | 06/01/2020 00:00:00 | 1 | 8750.0 | 1607.5 | 2228.12 | 620.62 | 7.09 | 0.00 | 2.903 | 0.000000 |
| Supa 132kV | 06/01/2020 00:15:00 | 2 | 8750.0 | 2097.5 | 2396.88 | 299.38 | 3.42 | 0.00 | 0.000 | 0.000000 |
| Supa 132kV | 06/01/2020 00:30:00 | 3 | 8750.0 | 2155.0 | 2585.16 | 430.16 | 4.92 | 0.00 | 0.000 | 0.000000 |
| Supa 132kV | 06/01/2020 00:45:00 | 4 | 8750.0 | 2217.5 | 2678.91 | 461.41 | 5.27 | 0.00 | -0.984 | 0.000000 |
| Supa 132kV | 06/01/2020 01:00:00 | 5 | 8750.0 | 2302.5 | 2703.91 | 401.41 | 4.59 | 0.00 | -3.541 | 0.000000 |
| Supa 132kV | 06/01/2020 01:15:00 | 6 | 8750.0 | 2387.5 | 2655.47 | 267.97 | 3.06 | 0.00 | 3.222 | 0.000000 |
| Supa 132kV | 06/01/2020 01:30:00 | 7 | 8750.0 | 2225.0 | 2341.41 | 116.41 | 1.33 | 0.00 | 3.541 | 0.000000 |
| Supa 132kV | 06/01/2020 01:45:00 | 8 | 8750.0 | 2047.5 | 2690.62 | 643.12 | 7.35 | 0.00 | 2.352 | 0.000000 |
| Supa 132kV | 06/01/2020 02:00:00 | 9 | 8750.0 | 1857.5 | 2693.75 | 836.25 | 9.56 | 0.00 | 1.747 | 0.000000 |
| Supa 132kV | 06/01/2020 02:15:00 | 10 | 8750.0 | 1707.5 | 2440.62 | 733.12 | 8.38 | 0.00 | 0.581 | 0.000000 |
| Supa 132kV | 06/01/2020 02:30:00 | 11 | 8750.0 | 1685.0 | 2253.91 | 568.91 | 6.5 | 0.00 | -2.323 | 0.000000 |
| Supa 132kV | 06/01/2020 02:45:00 | 12 | 8750.0 | 1657.5 | 2260.16 | 602.66 | 6.89 | 0.00 | 2.323 | 0.000000 |
| Supa 132kV | 06/01/2020 03:00:00 | 13 | 8750.0 | 1315.0 | 2174.22 | 859.22 | 9.82 | 0.00 | 2.323 | 0.000000 |
| Supa 132kV | 06/01/2020 03:15:00 | 14 | 8750.0 | 1222.5 | 2037.5 | 815.0 | 9.31 | 0.00 | -1.742 | -24.544003 |
| Supa 132kV | 06/01/2020 03:30:00 | 15 | 8750.0 | 1182.5 | 2097.66 | 915.16 | 10.46 | 0.00 | 3.222 | 0.000000 |
| Supa 132kV | 06/01/2020 03:45:00 | 16 | 8750.0 | 1257.5 | 2227.34 | 969.84 | 11.08 | 0.00 | 3.541 | 0.000000 |
| Supa 132kV | 06/01/2020 04:00:00 | 17 | 8750.0 | 1150.0 | 2396.87 | 1246.87 | 14.25 | 0.00 | 4.496 | 0.000000 |
| Supa 132kV | 06/01/2020 04:15:00 | 18 | 8750.0 | 1257.5 | 2656.25 | 1398.75 | 15.99 | 43.13 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Supa 132kV | 06/01/2020 04:30:00 | 19 | 8750.0 | 1252.5 | 2868.75 | 1616.25 | 18.47 | 151.88 | 3.859 | 0.000000 |
| Supa 132kV | 06/01/2020 04:45:00 | 20 | 8750.0 | 2342.5 | 2689.06 | 346.56 | 3.96 | 0.00 | 4.815 | 0.000000 |
| Supa 132kV | 06/01/2020 05:00:00 | 21 | 8750.0 | 2365.0 | 2817.97 | 452.97 | 5.18 | 0.00 | 3.859 | 0.000000 |
| Supa 132kV | 06/01/2020 05:15:00 | 22 | 8750.0 | 2370.0 | 2805.47 | 435.47 | 4.98 | 0.00 | 6.407 | 0.000000 |
| Supa 132kV | 06/01/2020 05:30:00 | 23 | 8750.0 | 2365.0 | 3108.59 | 743.59 | 8.5 | 0.00 | 6.496 | 0.000000 |
| Supa 132kV | 06/01/2020 05:45:00 | 24 | 8750.0 | 2342.5 | 3378.12 | 1035.62 | 11.84 | 0.00 | 7.492 | 0.000000 |
| Supa 132kV | 06/01/2020 06:00:00 | 25 | 8750.0 | 2345.0 | 2845.31 | 500.31 | 5.72 | 0.00 | -5.452 | 0.000000 |
| Supa 132kV | 06/01/2020 06:15:00 | 26 | 8750.0 | 2332.5 | 2549.22 | 216.72 | 2.48 | 0.00 | -6.089 | 0.000000 |
| Supa 132kV | 06/01/2020 06:30:00 | 27 | 8750.0 | 2317.5 | 2228.12 | -89.38 | 1.02 | 0.00 | -7.044 | 0.000000 |
| Supa 132kV | 06/01/2020 06:45:00 | 28 | 8750.0 | 2332.5 | 1961.72 | -370.78 | 4.24 | 0.00 | 7.682 | 0.000000 |
| Supa 132kV | 06/01/2020 07:00:00 | 29 | 8750.0 | 2342.5 | 2070.31 | -272.19 | 3.11 | 0.00 | -3.859 | 0.000000 |
| Supa 132kV | 06/01/2020 07:15:00 | 30 | 8750.0 | 2365.0 | 1862.5 | -502.5 | 5.74 | 0.00 | 4.815 | 249.500345 |
| Supa 132kV | 06/01/2020 07:30:00 | 31 | 8750.0 | 2370.0 | 1422.66 | -947.34 | 10.83 | 0.00 | 4.178 | 0.000000 |
| Supa 132kV | 06/01/2020 07:45:00 | 32 | 8750.0 | 2365.0 | 1021.87 | -1343.13 | 15.35 | 15.32 | -3.540 | 0.000000 |
| Supa 132kV | 06/01/2020 08:00:00 | 33 | 8750.0 | 2342.5 | 853.91 | -1488.59 | 17.01 | 88.05 | -3.859 | 0.000000 |
| Supa 132kV | 06/01/2020 08:15:00 | 34 | 8750.0 | 2345.0 | 829.69 | -1515.31 | 17.32 | 101.41 | -5.452 | 0.000000 |
| Supa 132kV | 06/01/2020 08:30:00 | 35 | 8750.0 | 2332.5 | 864.06 | -1468.44 | 16.78 | 77.97 | 4.178 | 0.000000 |
| Supa 132kV | 06/01/2020 08:45:00 | 36 | 8750.0 | 2317.5 | 1021.09 | -1296.41 | 14.82 | 0.00 | -3.859 | 0.000000 |
| Supa 132kV | 06/01/2020 09:00:00 | 37 | 8750.0 | 2332.5 | 1442.97 | -889.53 | 10.17 | 0.00 | -6.407 | 0.000000 |
| Supa 132kV | 06/01/2020 09:15:00 | 38 | 8750.0 | 2342.5 | 1657.03 | -685.47 | 7.83 | 0.00 | -8.000 | 0.000000 |
| Supa 132kV | 06/01/2020 09:30:00 | 39 | 8750.0 | 2365.0 | 1415.62 | -949.38 | 10.85 | 0.00 | -5.770 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Supa 132kV | 06/01/2020 09:45:00 | 40 | 8750.0 | 2370.0 | 975.0 | -1395.0 | 15.94 | 41.25 | 3.222 | 0.000000 |
| Supa 132kV | 06/01/2020 10:00:00 | 41 | 8750.0 | 2365.0 | 660.94 | -1704.06 | 19.47 | 195.78 | -2.903 | 0.000000 |
| Supa 132kV | 06/01/2020 10:15:00 | 42 | 8750.0 | 2342.5 | 407.81 | -1934.69 | 22.11 | 311.10 | -3.222 | 0.000000 |
| Supa 132kV | 06/01/2020 10:30:00 | 43 | 8750.0 | 1240.0 | 546.09 | -693.91 | 7.93 | 0.00 | 4.815 | 0.000000 |
| Supa 132kV | 06/01/2020 10:45:00 | 44 | 8750.0 | 1237.5 | 579.69 | -657.81 | 7.52 | 0.00 | 4.496 | 0.000000 |
| Supa 132kV | 06/01/2020 11:00:00 | 45 | 8750.0 | 1162.5 | 621.09 | -541.41 | 6.19 | 0.00 | 16.000 | 0.000000 |
| Supa 132kV | 06/01/2020 11:15:00 | 46 | 8750.0 | 1135.0 | 805.47 | -329.53 | 3.77 | 0.00 | 5.133 | 0.000000 |
| Supa 132kV | 06/01/2020 11:30:00 | 47 | 8750.0 | 1145.0 | 1167.19 | 22.19 | 0.25 | 0.00 | 1.182 | 0.000000 |
| Supa 132kV | 06/01/2020 11:45:00 | 48 | 8750.0 | 1217.5 | 1279.69 | 62.19 | 0.71 | 0.00 | 6.308 | 0.000000 |
| Supa 132kV | 06/01/2020 12:00:00 | 49 | 8750.0 | 1222.5 | 1519.53 | 297.03 | 3.39 | 0.00 | 6.598 | 0.000000 |
| Supa 132kV | 06/01/2020 12:15:00 | 50 | 8750.0 | 1235.0 | 1308.59 | 73.59 | 0.84 | 0.00 | 5.431 | 0.000000 |
| Supa 132kV | 06/01/2020 12:30:00 | 51 | 8750.0 | 1062.5 | 953.91 | -108.59 | 1.24 | 0.00 | 3.540 | 0.000000 |
| Supa 132kV | 06/01/2020 12:45:00 | 52 | 8750.0 | 1162.5 | 896.88 | -265.62 | 3.04 | 0.00 | -2.903 | 0.000000 |
| Supa 132kV | 06/01/2020 13:00:00 | 53 | 8750.0 | 1132.5 | 875.0 | -257.5 | 2.94 | 0.00 | -1.161 | 0.000000 |
| Supa 132kV | 06/01/2020 13:15:00 | 54 | 8750.0 | 1240.0 | 698.44 | -541.56 | 6.19 | 0.00 | 3.859 | 0.000000 |
| Supa 132kV | 06/01/2020 13:30:00 | 55 | 8750.0 | 1237.5 | 724.22 | -513.28 | 5.87 | 0.00 | -6.407 | 0.000000 |
| Supa 132kV | 06/01/2020 13:45:00 | 56 | 8750.0 | 1162.5 | 632.03 | -530.47 | 6.06 | 0.00 | 5.452 | 0.000000 |
| Supa 132kV | 06/01/2020 14:00:00 | 57 | 8750.0 | 1135.0 | 631.25 | -503.75 | 5.76 | 0.00 | 5.452 | 0.000000 |
| Supa 132kV | 06/01/2020 14:15:00 | 58 | 8750.0 | 1145.0 | 595.31 | -549.69 | 6.28 | 0.00 | 16.000 | 0.000000 |
| Supa 132kV | 06/01/2020 14:30:00 | 59 | 8750.0 | 1217.5 | 683.59 | -533.91 | 6.1 | 0.00 | 6.035 | 0.000000 |
| Supa 132kV | 06/01/2020 14:45:00 | 60 | 8750.0 | 1222.5 | 549.22 | -673.28 | 7.69 | 0.00 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Supa 132kV | 06/01/2020 15:00:00 | 61 | 8750.0 | 1235.0 | 610.94 | -624.06 | 7.13 | 0.00 | 3.367 | 0.000000 |
| Supa 132kV | 06/01/2020 15:15:00 | 62 | 8750.0 | 1062.5 | 564.06 | -498.44 | 5.7 | 0.00 | 3.904 | 0.000000 |
| Supa 132kV | 06/01/2020 15:30:00 | 63 | 8750.0 | 1162.5 | 351.56 | -810.94 | 9.27 | 0.00 | 4.482 | 0.000000 |
| Supa 132kV | 06/01/2020 15:45:00 | 64 | 8750.0 | 1240.0 | 527.34 | -712.66 | 8.14 | 0.00 | 4.225 | 0.000000 |
| Supa 132kV | 06/01/2020 16:00:00 | 65 | 8750.0 | 1237.5 | 371.09 | -866.41 | 9.9 | 0.00 | 2.895 | 0.000000 |
| Supa 132kV | 06/01/2020 16:15:00 | 66 | 8750.0 | 1162.5 | 392.19 | -770.31 | 8.8 | 0.00 | 6.089 | 0.000000 |
| Supa 132kV | 06/01/2020 16:30:00 | 67 | 8750.0 | 1135.0 | 569.53 | -565.47 | 6.46 | 0.00 | -8.000 | 0.000000 |
| Supa 132kV | 06/01/2020 16:45:00 | 68 | 8750.0 | 1145.0 | 593.75 | -551.25 | 6.3 | 0.00 | -4.178 | 0.000000 |
| Supa 132kV | 06/01/2020 17:00:00 | 69 | 8750.0 | 1217.5 | 517.19 | -700.31 | 8.0 | 0.00 | 1.742 | 0.000000 |
| Supa 132kV | 06/01/2020 17:15:00 | 70 | 8750.0 | 1222.5 | 221.87 | -1000.63 | 11.44 | 0.00 | 2.903 | 0.000000 |
| Supa 132kV | 06/01/2020 17:30:00 | 71 | 8750.0 | 1235.0 | 105.47 | -1129.53 | 12.91 | 0.00 | -4.178 | 0.000000 |
| Supa 132kV | 06/01/2020 17:45:00 | 72 | 8750.0 | 1062.5 | 159.38 | -903.12 | 10.32 | 0.00 | -2.323 | 0.000000 |
| Supa 132kV | 06/01/2020 18:00:00 | 73 | 8750.0 | 1162.5 | 123.44 | -1039.06 | 11.87 | 0.00 | -2.903 | 0.000000 |
| Supa 132kV | 06/01/2020 18:15:00 | 74 | 8750.0 | 1260.0 | 60.94 | -1199.06 | 13.7 | 0.00 | 1.161 | 311.826933 |
| Supa 132kV | 06/01/2020 18:30:00 | 75 | 8750.0 | 1277.5 | 3.91 | -1273.59 | 14.56 | 0.00 | 2.903 | 1084.759429 |
| Supa 132kV | 06/01/2020 18:45:00 | 76 | 8750.0 | 1257.5 | 0.0 | -1257.5 | 14.37 | 0.00 | 2.903 | 25.355250 |
| Supa 132kV | 06/01/2020 19:00:00 | 77 | 8750.0 | 1252.5 | 0.0 | -1252.5 | 14.31 | 0.00 | -1.161 | 0.000000 |
| Supa 132kV | 06/01/2020 19:15:00 | 78 | 8750.0 | 1280.0 | 0.0 | -1280.0 | 14.63 | 0.00 | -4.178 | 0.000000 |
| Supa 132kV | 06/01/2020 19:30:00 | 79 | 8750.0 | 1135.0 | 0.0 | -1135.0 | 12.97 | 0.00 | -2.323 | 0.000000 |
| Supa 132kV | 06/01/2020 19:45:00 | 80 | 8750.0 | 1132.5 | 0.0 | -1132.5 | 12.94 | 0.00 | -4.178 | 0.000000 |
| Supa 132kV | 06/01/2020 20:00:00 | 81 | 8750.0 | 1262.5 | 0.0 | -1262.5 | 14.43 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Supa 132kV | 06/01/2020 20:15:00 | 82 | 8750.0 | 1272.5 | 0.0 | -1272.5 | 14.54 | 0.00 | -5.770 | 0.000000 |
| Supa 132kV | 06/01/2020 20:30:00 | 83 | 8750.0 | 1260.0 | 0.0 | -1260.0 | 14.4 | 0.00 | 5.770 | 171.679010 |
| Supa 132kV | 06/01/2020 20:45:00 | 84 | 8750.0 | 1277.5 | 0.78 | -1276.72 | 14.59 | 0.00 | 4.178 | 527.991846 |
| Supa 132kV | 06/01/2020 21:00:00 | 85 | 8750.0 | 1457.5 | 1.56 | -1455.94 | 16.64 | 71.72 | 3.222 | 318.526842 |
| Supa 132kV | 06/01/2020 21:15:00 | 86 | 8750.0 | 1452.5 | 0.78 | -1451.72 | 16.59 | 69.61 | -1.742 | 0.000000 |
| Supa 132kV | 06/01/2020 21:30:00 | 87 | 8750.0 | 1480.0 | 0.0 | -1480.0 | 16.91 | 83.75 | 0.000 | 0.000000 |
| Supa 132kV | 06/01/2020 21:45:00 | 88 | 8750.0 | 1335.0 | 0.0 | -1335.0 | 15.26 | 11.25 | 1.161 | 0.000000 |
| Supa 132kV | 06/01/2020 22:00:00 | 89 | 8750.0 | 1332.5 | 0.0 | -1332.5 | 15.23 | 10.00 | 4.815 | 780.214857 |
| Supa 132kV | 06/01/2020 22:15:00 | 90 | 8750.0 | 1462.5 | 0.0 | -1462.5 | 16.71 | 75.00 | 3.859 | 883.497779 |
| Supa 132kV | 06/01/2020 22:30:00 | 91 | 8750.0 | 1472.5 | 0.0 | -1472.5 | 16.83 | 80.00 | 1.742 | 0.000000 |
| Supa 132kV | 06/01/2020 22:45:00 | 92 | 8750.0 | 1460.0 | 0.0 | -1460.0 | 16.69 | 73.75 | -2.323 | 0.000000 |
| Supa 132kV | 06/01/2020 23:00:00 | 93 | 8750.0 | 1477.5 | 0.0 | -1477.5 | 16.89 | 82.50 | -2.903 | 0.000000 |
| Supa 132kV | 06/01/2020 23:15:00 | 94 | 8750.0 | 1472.5 | 0.0 | -1472.5 | 16.83 | 80.00 | 2.323 | 0.000000 |
| Supa 132kV | 06/01/2020 23:30:00 | 95 | 8750.0 | 1460.0 | 0.0 | -1460.0 | 16.69 | 73.75 | -3.222 | 0.000000 |
| Supa 132kV | 06/01/2020 23:45:00 | 96 | 8750.0 | 1477.5 | 0.0 | -1477.5 | 16.89 | 82.50 | 2.323 | 0.000000 |
| Supa 132kV | 07/01/2020 00:00:00 | 1 | 8750.0 | 1607.5 | 0.0 | -1607.5 | 18.37 | 147.50 | -0.549 | 0.000000 |
| Supa 132kV | 07/01/2020 00:15:00 | 2 | 8750.0 | 1132.5 | 7.03 | -1125.47 | 12.86 | 0.00 | -1.647 | 0.000000 |
| Supa 132kV | 07/01/2020 00:30:00 | 3 | 8750.0 | 1262.5 | 88.28 | -1174.22 | 13.42 | 0.00 | -3.073 | 0.000000 |
| Supa 132kV | 07/01/2020 00:45:00 | 4 | 8750.0 | 1272.5 | 434.38 | -838.12 | 9.58 | 0.00 | -2.744 | 0.000000 |
| Supa 132kV | 07/01/2020 01:00:00 | 5 | 8750.0 | 1260.0 | 827.34 | -432.66 | 4.94 | 0.00 | -4.058 | 0.000000 |
| Supa 132kV | 07/01/2020 01:15:00 | 6 | 8750.0 | 1277.5 | 1101.56 | -175.94 | 2.01 | 0.00 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Supa 132kV | 07/01/2020 01:30:00 | 7 | 8750.0 | 1257.5 | 1360.94 | 103.44 | 1.18 | 0.00 | -3.401 | 0.000000 |
| Supa 132kV | 07/01/2020 01:45:00 | 8 | 8750.0 | 1252.5 | 1414.84 | 162.34 | 1.86 | 0.00 | 3.730 | 0.000000 |
| Supa 132kV | 07/01/2020 02:00:00 | 9 | 8750.0 | 1280.0 | 1303.91 | 23.91 | 0.27 | 0.00 | 3.073 | 0.000000 |
| Supa 132kV | 07/01/2020 02:15:00 | 10 | 8750.0 | 1135.0 | 1571.09 | 436.09 | 4.98 | 0.00 | 3.073 | 0.000000 |
| Supa 132kV | 07/01/2020 02:30:00 | 11 | 8750.0 | 1132.5 | 1370.31 | 237.81 | 2.72 | 0.00 | 3.401 | 0.000000 |
| Supa 132kV | 07/01/2020 02:45:00 | 12 | 8750.0 | 1262.5 | 1108.59 | -153.91 | 1.76 | 0.00 | 2.745 | 20.901947 |
| Supa 132kV | 07/01/2020 03:00:00 | 13 | 8750.0 | 1207.5 | 1100.0 | -107.5 | 1.23 | 0.00 | 1.647 | 0.000000 |
| Supa 132kV | 07/01/2020 03:15:00 | 14 | 8750.0 | 1202.5 | 1150.78 | -51.72 | 0.59 | 0.00 | 2.196 | 3.317973 |
| Supa 132kV | 07/01/2020 03:30:00 | 15 | 8750.0 | 1230.0 | 1282.03 | 52.03 | 0.59 | 0.00 | 1.647 | 0.000000 |
| Supa 132kV | 07/01/2020 03:45:00 | 16 | 8750.0 | 1085.0 | 1178.91 | 93.91 | 1.07 | 0.00 | 1.098 | 0.000000 |
| Supa 132kV | 07/01/2020 04:00:00 | 17 | 8750.0 | 1082.5 | 1301.56 | 219.06 | 2.5 | 0.00 | 1.647 | 0.000000 |
| Supa 132kV | 07/01/2020 04:15:00 | 18 | 8750.0 | 1212.5 | 1270.31 | 57.81 | 0.66 | 0.00 | 2.210 | 0.000000 |
| Supa 132kV | 07/01/2020 04:30:00 | 19 | 8750.0 | 1222.5 | 1454.69 | 232.19 | 2.65 | 0.00 | 3.730 | 0.000000 |
| Supa 132kV | 07/01/2020 04:45:00 | 20 | 8750.0 | 1210.0 | 1439.84 | 229.84 | 2.63 | 0.00 | -1.098 | 0.000000 |
| Supa 132kV | 07/01/2020 05:00:00 | 21 | 8750.0 | 1227.5 | 1373.44 | 145.94 | 1.67 | 0.00 | -2.744 | 0.000000 |
| Supa 132kV | 07/01/2020 05:15:00 | 22 | 8750.0 | 1222.5 | 1363.28 | 140.78 | 1.61 | 0.00 | 3.730 | 0.000000 |
| Supa 132kV | 07/01/2020 05:30:00 | 23 | 8750.0 | 1210.0 | 1147.66 | -62.34 | 0.71 | 0.00 | 3.073 | 71.946611 |
| Supa 132kV | 07/01/2020 05:45:00 | 24 | 8750.0 | 1227.5 | 1209.37 | -18.13 | 0.21 | 0.00 | 3.730 | 16.254595 |
| Supa 132kV | 07/01/2020 06:00:00 | 25 | 8750.0 | 1207.5 | 1119.53 | -87.97 | 1.01 | 0.00 | -5.372 | 0.000000 |
| Supa 132kV | 07/01/2020 06:15:00 | 26 | 8750.0 | 1202.5 | 1117.19 | -85.31 | 0.97 | 0.00 | 4.556 | 284.261103 |
| Supa 132kV | 07/01/2020 06:30:00 | 27 | 8750.0 | 1230.0 | 1599.22 | 369.22 | 4.22 | 0.00 | 7.148 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Supa 132kV | 07/01/2020 06:45:00 | 28 | 8750.0 | 1085.0 | 1126.56 | 41.56 | 0.47 | 0.00 | 7.821 | 0.000000 |
| Supa 132kV | 07/01/2020 07:00:00 | 29 | 8750.0 | 1082.5 | 1192.97 | 110.47 | 1.26 | 0.00 | 5.372 | 0.000000 |
| Supa 132kV | 07/01/2020 07:15:00 | 30 | 8750.0 | 1212.5 | 1514.06 | 301.56 | 3.45 | 0.00 | 16.000 | 0.000000 |
| Supa 132kV | 07/01/2020 07:30:00 | 31 | 8750.0 | 1222.5 | 1617.19 | 394.69 | 4.51 | 0.00 | 9.296 | 0.000000 |
| Supa 132kV | 07/01/2020 07:45:00 | 32 | 8750.0 | 1210.0 | 1407.81 | 197.81 | 2.26 | 0.00 | 9.794 | 0.000000 |
| Supa 132kV | 07/01/2020 08:00:00 | 33 | 8750.0 | 1227.5 | 1196.88 | -30.62 | 0.35 | 0.00 | 3.593 | 0.000000 |
| Supa 132kV | 07/01/2020 08:15:00 | 34 | 8750.0 | 1222.5 | 1237.5 | 15.0 | 0.17 | 0.00 | 3.401 | 0.000000 |
| Supa 132kV | 07/01/2020 08:30:00 | 35 | 8750.0 | 1210.0 | 1597.66 | 387.66 | 4.43 | 0.00 | 3.245 | 0.000000 |
| Supa 132kV | 07/01/2020 08:45:00 | 36 | 8750.0 | 1227.5 | 1764.84 | 537.34 | 6.14 | 0.00 | 0.000 | 0.000000 |
| Supa 132kV | 07/01/2020 09:00:00 | 37 | 8750.0 | 1207.5 | 1433.59 | 226.09 | 2.58 | 0.00 | 2.745 | 0.000000 |
| Supa 132kV | 07/01/2020 09:15:00 | 38 | 8750.0 | 1202.5 | 977.34 | -225.16 | 2.57 | 0.00 | 4.715 | 0.000000 |
| Supa 132kV | 07/01/2020 09:30:00 | 39 | 8750.0 | 1230.0 | 984.38 | -245.62 | 2.81 | 0.00 | 3.981 | 0.000000 |
| Supa 132kV | 07/01/2020 09:45:00 | 40 | 8750.0 | 1085.0 | 1042.97 | -42.03 | 0.48 | 0.00 | 3.730 | 0.000000 |
| Supa 132kV | 07/01/2020 10:00:00 | 41 | 8750.0 | 1082.5 | 1130.47 | 47.97 | 0.55 | 0.00 | 1.780 | 0.000000 |
| Supa 132kV | 07/01/2020 10:15:00 | 42 | 8750.0 | 1212.5 | 1214.84 | 2.34 | 0.03 | 0.00 | 5.643 | 0.000000 |
| Supa 132kV | 07/01/2020 10:30:00 | 43 | 8750.0 | 1222.5 | 848.44 | -374.06 | 4.27 | 0.00 | 4.976 | 0.000000 |
| Supa 132kV | 07/01/2020 10:45:00 | 44 | 8750.0 | 1210.0 | 747.66 | -462.34 | 5.28 | 0.00 | 4.415 | 0.000000 |
| Supa 132kV | 07/01/2020 11:00:00 | 45 | 8750.0 | 1227.5 | 1013.28 | -214.22 | 2.45 | 0.00 | 4.476 | 0.000000 |
| Supa 132kV | 07/01/2020 11:15:00 | 46 | 8750.0 | 1222.5 | 1050.0 | -172.5 | 1.97 | 0.00 | 4.826 | 0.000000 |
| Supa 132kV | 07/01/2020 11:30:00 | 47 | 8750.0 | 1210.0 | 1103.12 | -106.88 | 1.22 | 0.00 | 2.289 | 0.000000 |
| Supa 132kV | 07/01/2020 11:45:00 | 48 | 8750.0 | 1227.5 | 797.66 | -429.84 | 4.91 | 0.00 | -0.549 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Supa 132kV | 07/01/2020 12:00:00 | 49 | 8750.0 | 1207.5 | 575.78 | -631.72 | 7.22 | 0.00 | 4.727 | 0.000000 |
| Supa 132kV | 07/01/2020 12:15:00 | 50 | 8750.0 | 1202.5 | 609.38 | -593.12 | 6.78 | 0.00 | 4.777 | 0.000000 |
| Supa 132kV | 07/01/2020 12:30:00 | 51 | 8750.0 | 1230.0 | 828.12 | -401.88 | 4.59 | 0.00 | 4.798 | 0.000000 |
| Supa 132kV | 07/01/2020 12:45:00 | 52 | 8750.0 | 1085.0 | 641.41 | -443.59 | 5.07 | 0.00 | -3.401 | 0.000000 |
| Supa 132kV | 07/01/2020 13:00:00 | 53 | 8750.0 | 1082.5 | 525.0 | -557.5 | 6.37 | 0.00 | -2.431 | 0.000000 |
| Supa 132kV | 07/01/2020 13:15:00 | 54 | 8750.0 | 1212.5 | 524.22 | -688.28 | 7.87 | 0.00 | -4.387 | 0.000000 |
| Supa 132kV | 07/01/2020 13:30:00 | 55 | 8750.0 | 1597.5 | 637.5 | -960.0 | 10.97 | 0.00 | -3.401 | 0.000000 |
| Supa 132kV | 07/01/2020 13:45:00 | 56 | 8750.0 | 1595.0 | 748.44 | -846.56 | 9.67 | 0.00 | -5.044 | 0.000000 |
| Supa 132kV | 07/01/2020 14:00:00 | 57 | 8750.0 | 1590.0 | 517.97 | -1072.03 | 12.25 | 0.00 | 4.215 | 0.000000 |
| Supa 132kV | 07/01/2020 14:15:00 | 58 | 8750.0 | 1587.5 | 480.47 | -1107.03 | 12.65 | 0.00 | 9.552 | 0.000000 |
| Supa 132kV | 07/01/2020 14:30:00 | 59 | 8750.0 | 1210.0 | 710.94 | -499.06 | 5.7 | 0.00 | 6.358 | 0.000000 |
| Supa 132kV | 07/01/2020 14:45:00 | 60 | 8750.0 | 1227.5 | 617.19 | -610.31 | 6.97 | 0.00 | 2.744 | 0.000000 |
| Supa 132kV | 07/01/2020 15:00:00 | 61 | 8750.0 | 1235.0 | 499.22 | -735.78 | 8.41 | 0.00 | -3.073 | 0.000000 |
| Supa 132kV | 07/01/2020 15:15:00 | 62 | 8750.0 | 1062.5 | 421.09 | -641.41 | 7.33 | 0.00 | -4.058 | 0.000000 |
| Supa 132kV | 07/01/2020 15:30:00 | 63 | 8750.0 | 1162.5 | 237.5 | -925.0 | 10.57 | 0.00 | -4.831 | 0.000000 |
| Supa 132kV | 07/01/2020 15:45:00 | 64 | 8750.0 | 1240.0 | 10.94 | -1229.06 | 14.05 | 0.00 | -5.372 | 0.000000 |
| Supa 132kV | 07/01/2020 16:00:00 | 65 | 8750.0 | 1237.5 | 17.19 | -1220.31 | 13.95 | 0.00 | 2.196 | 0.000000 |
| Supa 132kV | 07/01/2020 16:15:00 | 66 | 8750.0 | 1162.5 | 292.97 | -869.53 | 9.94 | 0.00 | -3.401 | 0.000000 |
| Supa 132kV | 07/01/2020 16:30:00 | 67 | 8750.0 | 1135.0 | 424.22 | -710.78 | 8.12 | 0.00 | 4.738 | 0.000000 |
| Supa 132kV | 07/01/2020 16:45:00 | 68 | 8750.0 | 1145.0 | 132.81 | -1012.19 | 11.57 | 0.00 | 7.343 | 0.000000 |
| Supa 132kV | 07/01/2020 17:00:00 | 69 | 8750.0 | 1217.5 | 66.41 | -1151.09 | 13.16 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Supa 132kV | 07/01/2020 17:15:00 | 70 | 8750.0 | 1222.5 | 6.25 | -1216.25 | 13.9 | 0.00 | 2.744 | 202.318489 |
| Supa 132kV | 07/01/2020 17:30:00 | 71 | 8750.0 | 1235.0 | 0.0 | -1235.0 | 14.11 | 0.00 | 3.401 | 81.546358 |
| Supa 132kV | 07/01/2020 17:45:00 | 72 | 8750.0 | 1062.5 | 0.0 | -1062.5 | 12.14 | 0.00 | -2.745 | 0.000000 |
| Supa 132kV | 07/01/2020 18:00:00 | 73 | 8750.0 | 1162.5 | 0.0 | -1162.5 | 13.29 | 0.00 | -3.073 | 0.000000 |
| Supa 132kV | 07/01/2020 18:15:00 | 74 | 8750.0 | 1260.0 | 0.0 | -1260.0 | 14.4 | 0.00 | -5.372 | 0.000000 |
| Supa 132kV | 07/01/2020 18:30:00 | 75 | 8750.0 | 1277.5 | 0.0 | -1277.5 | 14.6 | 0.00 | 3.401 | 0.000000 |
| Supa 132kV | 07/01/2020 18:45:00 | 76 | 8750.0 | 1257.5 | 0.0 | -1257.5 | 14.37 | 0.00 | -3.401 | 0.000000 |
| Supa 132kV | 07/01/2020 19:00:00 | 77 | 8750.0 | 1252.5 | 0.0 | -1252.5 | 14.31 | 0.00 | -3.730 | 0.000000 |
| Supa 132kV | 07/01/2020 19:15:00 | 78 | 8750.0 | 1280.0 | 0.0 | -1280.0 | 14.63 | 0.00 | -4.715 | 0.000000 |
| Supa 132kV | 07/01/2020 19:30:00 | 79 | 8750.0 | 1135.0 | 0.0 | -1135.0 | 12.97 | 0.00 | -4.058 | 0.000000 |
| Supa 132kV | 07/01/2020 19:45:00 | 80 | 8750.0 | 1132.5 | 0.0 | -1132.5 | 12.94 | 0.00 | -2.210 | 0.000000 |
| Supa 132kV | 07/01/2020 20:00:00 | 81 | 8750.0 | 1262.5 | 0.0 | -1262.5 | 14.43 | 0.00 | -2.348 | 0.000000 |
| Supa 132kV | 07/01/2020 20:15:00 | 82 | 8750.0 | 1272.5 | 0.0 | -1272.5 | 14.54 | 0.00 | 4.387 | 1985.929651 |
| Supa 132kV | 07/01/2020 20:30:00 | 83 | 8750.0 | 1260.0 | 0.0 | -1260.0 | 14.4 | 0.00 | 3.816 | 2571.268144 |
| Supa 132kV | 07/01/2020 20:45:00 | 84 | 8750.0 | 1277.5 | 0.0 | -1277.5 | 14.6 | 0.00 | 3.401 | 627.681806 |
| Supa 132kV | 07/01/2020 21:00:00 | 85 | 8750.0 | 1457.5 | 32.03 | -1425.47 | 16.29 | 56.49 | -4.058 | 0.000000 |
| Supa 132kV | 07/01/2020 21:15:00 | 86 | 8750.0 | 1452.5 | 462.5 | -990.0 | 11.31 | 0.00 | 1.647 | 524.734724 |
| Supa 132kV | 07/01/2020 21:30:00 | 87 | 8750.0 | 1480.0 | 710.16 | -769.84 | 8.8 | 0.00 | 2.196 | 245.489683 |
| Supa 132kV | 07/01/2020 21:45:00 | 88 | 8750.0 | 1335.0 | 900.78 | -434.22 | 4.96 | 0.00 | -2.196 | 0.000000 |
| Supa 132kV | 07/01/2020 22:00:00 | 89 | 8750.0 | 1332.5 | 702.34 | -630.16 | 7.2 | 0.00 | -3.257 | 0.000000 |
| Supa 132kV | 07/01/2020 22:15:00 | 90 | 8750.0 | 1462.5 | 392.19 | -1070.31 | 12.23 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Supa 132kV | 07/01/2020 22:30:00 | 91 | 8750.0 | 1472.5 | 381.25 | -1091.25 | 12.47 | 0.00 | -1.098 | 0.000000 |
| Supa 132kV | 07/01/2020 22:45:00 | 92 | 8750.0 | 1460.0 | 269.53 | -1190.47 | 13.61 | 0.00 | -1.647 | 0.000000 |
| Supa 132kV | 07/01/2020 23:00:00 | 93 | 8750.0 | 1477.5 | 135.16 | -1342.34 | 15.34 | 14.92 | -3.401 | 0.000000 |
| Supa 132kV | 07/01/2020 23:15:00 | 94 | 8750.0 | 1472.5 | 202.34 | -1270.16 | 14.52 | 0.00 | 1.647 | 0.000000 |
| Supa 132kV | 07/01/2020 23:30:00 | 95 | 8750.0 | 1460.0 | 329.69 | -1130.31 | 12.92 | 0.00 | -2.196 | 0.000000 |
| Supa 132kV | 07/01/2020 23:45:00 | 96 | 8750.0 | 1477.5 | 375.0 | -1102.5 | 12.6 | 0.00 | -0.549 | 0.000000 |
| Supa 132kV | 08/01/2020 00:00:00 | 1 | 8750.0 | 1280.0 | 250.78 | -1029.22 | 11.76 | 0.00 | -2.220 | 0.000000 |
| Supa 132kV | 08/01/2020 00:15:00 | 2 | 8750.0 | 1132.5 | 150.0 | -982.5 | 11.23 | 0.00 | -3.101 | 0.000000 |
| Supa 132kV | 08/01/2020 00:30:00 | 3 | 8750.0 | 1262.5 | 93.75 | -1168.75 | 13.36 | 0.00 | -3.101 | 0.000000 |
| Supa 132kV | 08/01/2020 00:45:00 | 4 | 8750.0 | 1272.5 | 120.31 | -1152.19 | 13.17 | 0.00 | -2.424 | 0.000000 |
| Supa 132kV | 08/01/2020 01:00:00 | 5 | 8750.0 | 1260.0 | 166.41 | -1093.59 | 12.5 | 0.00 | -2.170 | 0.000000 |
| Supa 132kV | 08/01/2020 01:15:00 | 6 | 8750.0 | 1277.5 | 82.03 | -1195.47 | 13.66 | 0.00 | -1.761 | 0.000000 |
| Supa 132kV | 08/01/2020 01:30:00 | 7 | 8750.0 | 1257.5 | 54.69 | -1202.81 | 13.75 | 0.00 | -1.665 | 0.000000 |
| Supa 132kV | 08/01/2020 01:45:00 | 8 | 8750.0 | 1252.5 | 140.63 | -1111.87 | 12.71 | 0.00 | -1.665 | 0.000000 |
| Supa 132kV | 08/01/2020 02:00:00 | 9 | 8750.0 | 1280.0 | 200.0 | -1080.0 | 12.34 | 0.00 | -1.110 | 0.000000 |
| Supa 132kV | 08/01/2020 02:15:00 | 10 | 8750.0 | 1135.0 | 267.97 | -867.03 | 9.91 | 0.00 | -1.347 | 0.000000 |
| Supa 132kV | 08/01/2020 02:30:00 | 11 | 8750.0 | 1132.5 | 326.56 | -805.94 | 9.21 | 0.00 | -3.101 | 0.000000 |
| Supa 132kV | 08/01/2020 02:45:00 | 12 | 8750.0 | 1262.5 | 235.16 | -1027.34 | 11.74 | 0.00 | -2.220 | 0.000000 |
| Supa 132kV | 08/01/2020 03:00:00 | 13 | 8750.0 | 1207.5 | 344.53 | -862.97 | 9.86 | 0.00 | -3.428 | 0.000000 |
| Supa 132kV | 08/01/2020 03:15:00 | 14 | 8750.0 | 1202.5 | 250.78 | -951.72 | 10.88 | 0.00 | -2.220 | 0.000000 |
| Supa 132kV | 08/01/2020 03:30:00 | 15 | 8750.0 | 1230.0 | 247.66 | -982.34 | 11.23 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Supa 132kV | 08/01/2020 03:45:00 | 16 | 8750.0 | 1085.0 | 42.19 | -1042.81 | 11.92 | 0.00 | -2.775 | 0.000000 |
| Supa 132kV | 08/01/2020 04:00:00 | 17 | 8750.0 | 1082.5 | 2.34 | -1080.16 | 12.34 | 0.00 | -3.101 | 0.000000 |
| Supa 132kV | 08/01/2020 04:15:00 | 18 | 8750.0 | 1212.5 | 70.31 | -1142.19 | 13.05 | 0.00 | -1.665 | 0.000000 |
| Supa 132kV | 08/01/2020 04:30:00 | 19 | 8750.0 | 1222.5 | 15.62 | -1206.88 | 13.79 | 0.00 | -2.220 | 0.000000 |
| Supa 132kV | 08/01/2020 04:45:00 | 20 | 8750.0 | 1210.0 | 0.0 | -1210.0 | 13.83 | 0.00 | -2.775 | 0.000000 |
| Supa 132kV | 08/01/2020 05:00:00 | 21 | 8750.0 | 1227.5 | 0.0 | -1227.5 | 14.03 | 0.00 | -1.110 | 0.000000 |
| Supa 132kV | 08/01/2020 05:15:00 | 22 | 8750.0 | 1222.5 | 0.0 | -1222.5 | 13.97 | 0.00 | 2.775 | 58.909899 |
| Supa 132kV | 08/01/2020 05:30:00 | 23 | 8750.0 | 1210.0 | 0.0 | -1210.0 | 13.83 | 0.00 | -3.428 | 0.000000 |
| Supa 132kV | 08/01/2020 05:45:00 | 24 | 8750.0 | 1227.5 | 0.0 | -1227.5 | 14.03 | 0.00 | -2.775 | 0.000000 |
| Supa 132kV | 08/01/2020 06:00:00 | 25 | 8750.0 | 1207.5 | 0.0 | -1207.5 | 13.8 | 0.00 | -2.220 | 0.000000 |
| Supa 132kV | 08/01/2020 06:15:00 | 26 | 8750.0 | 1202.5 | 0.0 | -1202.5 | 13.74 | 0.00 | 2.220 | 246.205792 |
| Supa 132kV | 08/01/2020 06:30:00 | 27 | 8750.0 | 1230.0 | 0.0 | -1230.0 | 14.06 | 0.00 | 5.387 | 2213.953730 |
| Supa 132kV | 08/01/2020 06:45:00 | 28 | 8750.0 | 1085.0 | 0.0 | -1085.0 | 12.4 | 0.00 | -4.734 | 0.000000 |
| Supa 132kV | 08/01/2020 07:00:00 | 29 | 8750.0 | 1082.5 | 0.0 | -1082.5 | 12.37 | 0.00 | -4.407 | 0.000000 |
| Supa 132kV | 08/01/2020 07:15:00 | 30 | 8750.0 | 1212.5 | 0.0 | -1212.5 | 13.86 | 0.00 | 5.061 | 2137.132644 |
| Supa 132kV | 08/01/2020 07:30:00 | 31 | 8750.0 | 1222.5 | 0.0 | -1222.5 | 13.97 | 0.00 | 5.714 | 2061.746461 |
| Supa 132kV | 08/01/2020 07:45:00 | 32 | 8750.0 | 1210.0 | 0.0 | -1210.0 | 13.83 | 0.00 | 5.061 | 802.271614 |
| Supa 132kV | 08/01/2020 08:00:00 | 33 | 8750.0 | 1227.5 | 0.0 | -1227.5 | 14.03 | 0.00 | 2.775 | 0.000000 |
| Supa 132kV | 08/01/2020 08:15:00 | 34 | 8750.0 | 1222.5 | 0.0 | -1222.5 | 13.97 | 0.00 | 2.775 | 0.000000 |
| Supa 132kV | 08/01/2020 08:30:00 | 35 | 8750.0 | 1210.0 | 0.0 | -1210.0 | 13.83 | 0.00 | 5.387 | 0.000000 |
| Supa 132kV | 08/01/2020 08:45:00 | 36 | 8750.0 | 1227.5 | 0.0 | -1227.5 | 14.03 | 0.00 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Supa 132kV | 08/01/2020 09:00:00 | 37 | 8750.0 | 1207.5 | 0.0 | -1207.5 | 13.8 | 0.00 | 7.673 | 0.000000 |
| Supa 132kV | 08/01/2020 09:15:00 | 38 | 8750.0 | 1202.5 | 0.0 | -1202.5 | 13.74 | 0.00 | 7.673 | 0.000000 |
| Supa 132kV | 08/01/2020 09:30:00 | 39 | 8750.0 | 1230.0 | 0.0 | -1230.0 | 14.06 | 0.00 | 3.101 | 0.000000 |
| Supa 132kV | 08/01/2020 09:45:00 | 40 | 8750.0 | 1085.0 | 29.69 | -1055.31 | 12.06 | 0.00 | -3.101 | 0.000000 |
| Supa 132kV | 08/01/2020 10:00:00 | 41 | 8750.0 | 1082.5 | 193.75 | -888.75 | 10.16 | 0.00 | -3.101 | 0.000000 |
| Supa 132kV | 08/01/2020 10:15:00 | 42 | 8750.0 | 1212.5 | 477.34 | -735.16 | 8.4 | 0.00 | -3.101 | 0.000000 |
| Supa 132kV | 08/01/2020 10:30:00 | 43 | 8750.0 | 1222.5 | 740.62 | -481.88 | 5.51 | 0.00 | -1.665 | 0.000000 |
| Supa 132kV | 08/01/2020 10:45:00 | 44 | 8750.0 | 1210.0 | 810.94 | -399.06 | 4.56 | 0.00 | 0.000 | 0.000000 |
| Supa 132kV | 08/01/2020 11:00:00 | 45 | 8750.0 | 1227.5 | 894.53 | -332.97 | 3.81 | 0.00 | -1.486 | 0.000000 |
| Supa 132kV | 08/01/2020 11:15:00 | 46 | 8750.0 | 1222.5 | 1086.72 | -135.78 | 1.55 | 0.00 | -1.305 | 0.000000 |
| Supa 132kV | 08/01/2020 11:30:00 | 47 | 8750.0 | 1210.0 | 1338.28 | 128.28 | 1.47 | 0.00 | -2.425 | -51.661350 |
| Supa 132kV | 08/01/2020 11:45:00 | 48 | 8750.0 | 1227.5 | 1257.03 | 29.53 | 0.34 | 0.00 | -2.775 | -10.689328 |
| Supa 132kV | 08/01/2020 12:00:00 | 49 | 8750.0 | 1207.5 | 1122.66 | -84.84 | 0.97 | 0.00 | -2.083 | 0.000000 |
| Supa 132kV | 08/01/2020 12:15:00 | 50 | 8750.0 | 1202.5 | 979.69 | -222.81 | 2.55 | 0.00 | -3.242 | 0.000000 |
| Supa 132kV | 08/01/2020 12:30:00 | 51 | 8750.0 | 1230.0 | 565.62 | -664.38 | 7.59 | 0.00 | -1.330 | 0.000000 |
| Supa 132kV | 08/01/2020 12:45:00 | 52 | 8750.0 | 1085.0 | 892.19 | -192.81 | 2.2 | 0.00 | -0.830 | 0.000000 |
| Supa 132kV | 08/01/2020 13:00:00 | 53 | 8750.0 | 1082.5 | 990.62 | -91.88 | 1.05 | 0.00 | 2.775 | 0.000000 |
| Supa 132kV | 08/01/2020 13:15:00 | 54 | 8750.0 | 1212.5 | 1100.78 | -111.72 | 1.28 | 0.00 | 0.000 | 0.000000 |
| Supa 132kV | 08/01/2020 13:30:00 | 55 | 8750.0 | 1597.5 | 766.41 | -831.09 | 9.5 | 0.00 | -1.012 | 0.000000 |
| Supa 132kV | 08/01/2020 13:45:00 | 56 | 8750.0 | 1595.0 | 1127.34 | -467.66 | 5.34 | 0.00 | -1.087 | 0.000000 |
| Supa 132kV | 08/01/2020 14:00:00 | 57 | 8750.0 | 1590.0 | 1203.12 | -386.88 | 4.42 | 0.00 | -3.101 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Supa 132kV | 08/01/2020 14:15:00 | 58 | 8750.0 | 1587.5 | 1187.5 | -400.0 | 4.57 | 0.00 | -4.081 | 0.000000 |
| Supa 132kV | 08/01/2020 14:30:00 | 59 | 8750.0 | 1210.0 | 1299.22 | 89.22 | 1.02 | 0.00 | -2.996 | -36.095642 |
| Supa 132kV | 08/01/2020 14:45:00 | 60 | 8750.0 | 1227.5 | 1080.47 | -147.03 | 1.68 | 0.00 | -3.101 | 0.000000 |
| Supa 132kV | 08/01/2020 15:00:00 | 61 | 8750.0 | 1235.0 | 1701.56 | 466.56 | 5.33 | 0.00 | -1.879 | -117.207790 |
| Supa 132kV | 08/01/2020 15:15:00 | 62 | 8750.0 | 1062.5 | 2028.91 | 966.41 | 11.04 | 0.00 | -4.081 | -33.994887 |
| Supa 132kV | 08/01/2020 15:30:00 | 63 | 8750.0 | 1162.5 | 1825.78 | 663.28 | 7.58 | 0.00 | 4.938 | 0.000000 |
| Supa 132kV | 08/01/2020 15:45:00 | 64 | 8750.0 | 1240.0 | 2196.09 | 956.09 | 10.93 | 0.00 | 4.719 | 0.000000 |
| Supa 132kV | 08/01/2020 16:00:00 | 65 | 8750.0 | 1237.5 | 2030.47 | 792.97 | 9.06 | 0.00 | 0.555 | 0.000000 |
| Supa 132kV | 08/01/2020 16:15:00 | 66 | 8750.0 | 1162.5 | 1921.88 | 759.38 | 8.68 | 0.00 | -4.081 | -354.471583 |
| Supa 132kV | 08/01/2020 16:30:00 | 67 | 8750.0 | 1135.0 | 1603.91 | 468.91 | 5.36 | 0.00 | -3.754 | -81.716702 |
| Supa 132kV | 08/01/2020 16:45:00 | 68 | 8750.0 | 1145.0 | 1775.0 | 630.0 | 7.2 | 0.00 | -8.000 | 0.000000 |
| Supa 132kV | 08/01/2020 17:00:00 | 69 | 8750.0 | 1217.5 | 1943.75 | 726.25 | 8.3 | 0.00 | 0.000 | 0.000000 |
| Supa 132kV | 08/01/2020 17:15:00 | 70 | 8750.0 | 1222.5 | 1803.91 | 581.41 | 6.64 | 0.00 | 4.081 | 0.000000 |
| Supa 132kV | 08/01/2020 17:30:00 | 71 | 8750.0 | 1235.0 | 1588.28 | 353.28 | 4.04 | 0.00 | -5.387 | 0.000000 |
| Supa 132kV | 08/01/2020 17:45:00 | 72 | 8750.0 | 1062.5 | 1505.47 | 442.97 | 5.06 | 0.00 | -3.101 | 0.000000 |
| Supa 132kV | 08/01/2020 18:00:00 | 73 | 8750.0 | 1162.5 | 1296.09 | 133.59 | 1.53 | 0.00 | -2.775 | 0.000000 |
| Supa 132kV | 08/01/2020 18:15:00 | 74 | 8750.0 | 1260.0 | 1141.41 | -118.59 | 1.36 | 0.00 | -3.101 | 0.000000 |
| Supa 132kV | 08/01/2020 18:30:00 | 75 | 8750.0 | 1277.5 | 1087.5 | -190.0 | 2.17 | 0.00 | -2.220 | 0.000000 |
| Supa 132kV | 08/01/2020 18:45:00 | 76 | 8750.0 | 1257.5 | 1037.5 | -220.0 | 2.51 | 0.00 | 2.220 | 173.420389 |
| Supa 132kV | 08/01/2020 19:00:00 | 77 | 8750.0 | 1252.5 | 977.34 | -275.16 | 3.14 | 0.00 | 1.110 | 0.000000 |
| Supa 132kV | 08/01/2020 19:15:00 | 78 | 8750.0 | 1280.0 | 1419.53 | 139.53 | 1.59 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Supa 132kV | 08/01/2020 19:30:00 | 79 | 8750.0 | 1135.0 | 1906.25 | 771.25 | 8.81 | 0.00 | -2.220 | 0.000000 |
| Supa 132kV | 08/01/2020 19:45:00 | 80 | 8750.0 | 1132.5 | 2127.34 | 994.84 | 11.37 | 0.00 | -0.555 | 0.000000 |
| Supa 132kV | 08/01/2020 20:00:00 | 81 | 8750.0 | 1262.5 | 2302.34 | 1039.84 | 11.88 | 0.00 | 2.775 | 0.000000 |
| Supa 132kV | 08/01/2020 20:15:00 | 82 | 8750.0 | 1272.5 | 2592.97 | 1320.47 | 15.09 | 3.99 | 3.101 | 0.000000 |
| Supa 132kV | 08/01/2020 20:30:00 | 83 | 8750.0 | 1260.0 | 2428.12 | 1168.12 | 13.35 | 0.00 | 4.408 | 0.000000 |
| Supa 132kV | 08/01/2020 20:45:00 | 84 | 8750.0 | 1277.5 | 2672.66 | 1395.16 | 15.94 | 41.33 | 3.101 | 0.000000 |
| Supa 132kV | 08/01/2020 21:00:00 | 85 | 8750.0 | 1457.5 | 2761.72 | 1304.22 | 14.91 | 0.00 | 3.101 | 0.000000 |
| Supa 132kV | 08/01/2020 21:15:00 | 86 | 8750.0 | 1452.5 | 3232.03 | 1779.53 | 20.34 | 233.52 | -0.555 | 0.000000 |
| Supa 132kV | 08/01/2020 21:30:00 | 87 | 8750.0 | 1480.0 | 2960.16 | 1480.16 | 16.92 | 83.83 | -1.110 | 0.000000 |
| Supa 132kV | 08/01/2020 21:45:00 | 88 | 8750.0 | 1335.0 | 1979.69 | 644.69 | 7.37 | 0.00 | -1.110 | 0.000000 |
| Supa 132kV | 08/01/2020 22:00:00 | 89 | 8750.0 | 1332.5 | 1190.62 | -141.88 | 1.62 | 0.00 | -2.489 | 0.000000 |
| Supa 132kV | 08/01/2020 22:15:00 | 90 | 8750.0 | 1462.5 | 1130.47 | -332.03 | 3.79 | 0.00 | -2.775 | 0.000000 |
| Supa 132kV | 08/01/2020 22:30:00 | 91 | 8750.0 | 2722.5 | 1242.97 | -1479.53 | 16.91 | 83.52 | -2.223 | 0.000000 |
| Supa 132kV | 08/01/2020 22:45:00 | 92 | 8750.0 | 2710.0 | 935.16 | -1774.84 | 20.28 | 231.17 | 1.110 | 0.000000 |
| Supa 132kV | 08/01/2020 23:00:00 | 93 | 8750.0 | 2727.5 | 653.91 | -2073.59 | 23.7 | 380.55 | 1.110 | 221.378552 |
| Supa 132kV | 08/01/2020 23:15:00 | 94 | 8750.0 | 2722.5 | 689.84 | -2032.66 | 23.23 | 360.08 | 1.110 | 0.000000 |
| Supa 132kV | 08/01/2020 23:30:00 | 95 | 8750.0 | 2710.0 | 628.91 | -2081.09 | 23.78 | 384.30 | 2.775 | 18.918189 |
| Supa 132kV | 08/01/2020 23:45:00 | 96 | 8750.0 | 2727.5 | 659.38 | -2068.12 | 23.64 | 377.81 | 0.000 | 0.000000 |
| Supa 132kV | 09/01/2020 00:00:00 | 1 | 8750.0 | 1807.5 | 888.28 | -919.22 | 10.51 | 0.00 | -0.576 | 0.000000 |
| Supa 132kV | 09/01/2020 00:15:00 | 2 | 8750.0 | 1865.0 | 785.16 | -1079.84 | 12.34 | 0.00 | -1.727 | 0.000000 |
| Supa 132kV | 09/01/2020 00:30:00 | 3 | 8750.0 | 1812.5 | 696.88 | -1115.62 | 12.75 | 0.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Supa 132kV | 09/01/2020 00:45:00 | 4 | 8750.0 | 1815.0 | 690.62 | -1124.38 | 12.85 | 0.00 | -2.879 | 0.000000 |
| Supa 132kV | 09/01/2020 01:00:00 | 5 | 8750.0 | 1877.5 | 416.41 | -1461.09 | 16.7 | 74.30 | -3.519 | 0.000000 |
| Supa 132kV | 09/01/2020 01:15:00 | 6 | 8750.0 | 1865.0 | 461.72 | -1403.28 | 16.04 | 45.39 | -3.519 | 0.000000 |
| Supa 132kV | 09/01/2020 01:30:00 | 7 | 8750.0 | 2132.5 | 577.34 | -1555.16 | 17.77 | 121.33 | -3.199 | 0.000000 |
| Supa 132kV | 09/01/2020 01:45:00 | 8 | 8750.0 | 2135.0 | 775.0 | -1360.0 | 15.54 | 23.75 | 3.519 | 330.463029 |
| Supa 132kV | 09/01/2020 02:00:00 | 9 | 8750.0 | 2095.0 | 871.09 | -1223.91 | 13.99 | 0.00 | 3.519 | 1347.412199 |
| Supa 132kV | 09/01/2020 02:15:00 | 10 | 8750.0 | 2085.0 | 1201.56 | -883.44 | 10.1 | 0.00 | 2.879 | 426.557774 |
| Supa 132kV | 09/01/2020 02:30:00 | 11 | 8750.0 | 2225.0 | 1070.31 | -1154.69 | 13.2 | 0.00 | 3.199 | 802.148376 |
| Supa 132kV | 09/01/2020 02:45:00 | 12 | 8750.0 | 2115.0 | 763.28 | -1351.72 | 15.45 | 19.61 | 1.152 | 0.000000 |
| Supa 132kV | 09/01/2020 03:00:00 | 13 | 8750.0 | 1062.5 | 1076.56 | 14.06 | 0.16 | 0.00 | -2.879 | 0.000000 |
| Supa 132kV | 09/01/2020 03:15:00 | 14 | 8750.0 | 1162.5 | 1345.31 | 182.81 | 2.09 | 0.00 | -3.839 | 0.000000 |
| Supa 132kV | 09/01/2020 03:30:00 | 15 | 8750.0 | 1240.0 | 1700.78 | 460.78 | 5.27 | 0.00 | 3.199 | 0.000000 |
| Supa 132kV | 09/01/2020 03:45:00 | 16 | 8750.0 | 1237.5 | 1645.31 | 407.81 | 4.66 | 0.00 | 0.000 | 0.000000 |
| Supa 132kV | 09/01/2020 04:00:00 | 17 | 8750.0 | 1162.5 | 1642.97 | 480.47 | 5.49 | 0.00 | 1.727 | 0.000000 |
| Supa 132kV | 09/01/2020 04:15:00 | 18 | 8750.0 | 1135.0 | 1755.47 | 620.47 | 7.09 | 0.00 | 1.727 | 0.000000 |
| Supa 132kV | 09/01/2020 04:30:00 | 19 | 8750.0 | 1145.0 | 1710.16 | 565.16 | 6.46 | 0.00 | 1.727 | 0.000000 |
| Supa 132kV | 09/01/2020 04:45:00 | 20 | 8750.0 | 1217.5 | 1521.09 | 303.59 | 3.47 | 0.00 | 2.879 | 0.000000 |
| Supa 132kV | 09/01/2020 05:00:00 | 21 | 8750.0 | 1222.5 | 1498.44 | 275.94 | 3.15 | 0.00 | 3.839 | 0.000000 |
| Supa 132kV | 09/01/2020 05:15:00 | 22 | 8750.0 | 1235.0 | 1636.72 | 401.72 | 4.59 | 0.00 | 5.119 | 0.000000 |
| Supa 132kV | 09/01/2020 05:30:00 | 23 | 8750.0 | 1062.5 | 1571.09 | 508.59 | 5.81 | 0.00 | 4.064 | 0.000000 |
| Supa 132kV | 09/01/2020 05:45:00 | 24 | 8750.0 | 1162.5 | 2080.47 | 917.97 | 10.49 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Supa 132kV | 09/01/2020 06:00:00 | 25 | 8750.0 | 1260.0 | 2190.62 | 930.62 | 10.64 | 0.00 | -2.303 | 0.000000 |
| Supa 132kV | 09/01/2020 06:15:00 | 26 | 8750.0 | 1277.5 | 2509.38 | 1231.88 | 14.08 | 0.00 | 2.303 | 0.000000 |
| Supa 132kV | 09/01/2020 06:30:00 | 27 | 8750.0 | 1257.5 | 2897.66 | 1640.16 | 18.74 | 163.83 | -3.839 | 0.000000 |
| Supa 132kV | 09/01/2020 06:45:00 | 28 | 8750.0 | 1252.5 | 2768.75 | 1516.25 | 17.33 | 101.88 | -2.879 | 0.000000 |
| Supa 132kV | 09/01/2020 07:00:00 | 29 | 8750.0 | 1280.0 | 2466.41 | 1186.41 | 13.56 | 0.00 | -2.879 | 0.000000 |
| Supa 132kV | 09/01/2020 07:15:00 | 30 | 8750.0 | 1135.0 | 2532.03 | 1397.03 | 15.97 | 42.27 | 6.400 | 0.000000 |
| Supa 132kV | 09/01/2020 07:30:00 | 31 | 8750.0 | 1132.5 | 2706.25 | 1573.75 | 17.99 | 130.63 | 1.172 | 0.000000 |
| Supa 132kV | 09/01/2020 07:45:00 | 32 | 8750.0 | 1262.5 | 2810.94 | 1548.44 | 17.7 | 117.97 | 0.576 | 0.000000 |
| Supa 132kV | 09/01/2020 08:00:00 | 33 | 8750.0 | 1272.5 | 2453.91 | 1181.41 | 13.5 | 0.00 | -0.576 | -64.576768 |
| Supa 132kV | 09/01/2020 08:15:00 | 34 | 8750.0 | 1260.0 | 2109.38 | 849.38 | 9.71 | 0.00 | -1.152 | -87.969129 |
| Supa 132kV | 09/01/2020 08:30:00 | 35 | 8750.0 | 1277.5 | 1763.28 | 485.78 | 5.55 | 0.00 | 0.576 | 0.000000 |
| Supa 132kV | 09/01/2020 08:45:00 | 36 | 8750.0 | 1062.5 | 1564.06 | 501.56 | 5.73 | 0.00 | 0.000 | 0.000000 |
| Supa 132kV | 09/01/2020 09:00:00 | 37 | 8750.0 | 1162.5 | 1200.0 | 37.5 | 0.43 | 0.00 | 1.152 | 0.000000 |
| Supa 132kV | 09/01/2020 09:15:00 | 38 | 8750.0 | 1240.0 | 756.25 | -483.75 | 5.53 | 0.00 | 1.727 | 0.000000 |
| Supa 132kV | 09/01/2020 09:30:00 | 39 | 8750.0 | 1237.5 | 675.0 | -562.5 | 6.43 | 0.00 | -3.839 | 0.000000 |
| Supa 132kV | 09/01/2020 09:45:00 | 40 | 8750.0 | 1162.5 | 468.75 | -693.75 | 7.93 | 0.00 | -1.152 | 0.000000 |
| Supa 132kV | 09/01/2020 10:00:00 | 41 | 8750.0 | 1135.0 | 288.28 | -846.72 | 9.68 | 0.00 | 0.000 | 0.000000 |
| Supa 132kV | 09/01/2020 10:15:00 | 42 | 8750.0 | 1145.0 | 166.41 | -978.59 | 11.18 | 0.00 | 1.727 | 0.000000 |
| Supa 132kV | 09/01/2020 10:30:00 | 43 | 8750.0 | 1697.5 | 84.38 | -1613.12 | 18.44 | 150.31 | 2.303 | 0.000000 |
| Supa 132kV | 09/01/2020 10:45:00 | 44 | 8750.0 | 1635.0 | 64.06 | -1570.94 | 17.95 | 129.22 | -1.144 | 0.000000 |
| Supa 132kV | 09/01/2020 11:00:00 | 45 | 8750.0 | 1600.0 | 31.25 | -1568.75 | 17.93 | 128.13 | -4.479 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Supa 132kV | 09/01/2020 11:15:00 | 46 | 8750.0 | 1565.0 | 1.56 | -1563.44 | 17.87 | 125.47 | -3.519 | 0.000000 |
| Supa 132kV | 09/01/2020 11:30:00 | 47 | 8750.0 | 1520.0 | 0.78 | -1519.22 | 17.36 | 103.36 | -2.303 | 0.000000 |
| Supa 132kV | 09/01/2020 11:45:00 | 48 | 8750.0 | 1482.5 | 0.0 | -1482.5 | 16.94 | 85.00 | -0.576 | 0.000000 |
| Supa 132kV | 09/01/2020 12:00:00 | 49 | 8750.0 | 1512.5 | 1.56 | -1510.94 | 17.27 | 99.22 | 0.000 | 0.000000 |
| Supa 132kV | 09/01/2020 12:15:00 | 50 | 8750.0 | 1480.0 | 2.34 | -1477.66 | 16.89 | 82.58 | 3.839 | 0.000000 |
| Supa 132kV | 09/01/2020 12:30:00 | 51 | 8750.0 | 1457.5 | 0.0 | -1457.5 | 16.66 | 72.50 | 3.199 | 0.000000 |
| Supa 132kV | 09/01/2020 12:45:00 | 52 | 8750.0 | 1410.0 | 0.0 | -1410.0 | 16.11 | 48.75 | 3.199 | 0.000000 |
| Supa 132kV | 09/01/2020 13:00:00 | 53 | 8750.0 | 1397.5 | 0.0 | -1397.5 | 15.97 | 42.50 | -1.152 | 0.000000 |
| Supa 132kV | 09/01/2020 13:15:00 | 54 | 8750.0 | 1382.5 | 3.12 | -1379.38 | 15.76 | 33.44 | -1.152 | 0.000000 |
| Supa 132kV | 09/01/2020 13:30:00 | 55 | 8750.0 | 1267.5 | 0.0 | -1267.5 | 14.49 | 0.00 | 1.727 | 0.000000 |
| Supa 132kV | 09/01/2020 13:45:00 | 56 | 8750.0 | 1267.5 | 1.56 | -1265.94 | 14.47 | 0.00 | 3.199 | 0.000000 |
| Supa 132kV | 09/01/2020 14:00:00 | 57 | 8750.0 | 1267.5 | 0.0 | -1267.5 | 14.49 | 0.00 | 4.345 | 0.000000 |
| Supa 132kV | 09/01/2020 14:15:00 | 58 | 8750.0 | 1297.5 | 0.78 | -1296.72 | 14.82 | 0.00 | 3.941 | 0.000000 |
| Supa 132kV | 09/01/2020 14:30:00 | 59 | 8750.0 | 1297.5 | 0.78 | -1296.72 | 14.82 | 0.00 | 1.152 | 0.000000 |
| Supa 132kV | 09/01/2020 14:45:00 | 60 | 8750.0 | 1295.0 | 0.0 | -1295.0 | 14.8 | 0.00 | -0.576 | 0.000000 |
| Supa 132kV | 09/01/2020 15:00:00 | 61 | 8750.0 | 1287.5 | 0.0 | -1287.5 | 14.71 | 0.00 | -1.006 | 0.000000 |
| Supa 132kV | 09/01/2020 15:15:00 | 62 | 8750.0 | 1285.0 | 0.0 | -1285.0 | 14.69 | 0.00 | 3.199 | 0.000000 |
| Supa 132kV | 09/01/2020 15:30:00 | 63 | 8750.0 | 1282.5 | 0.0 | -1282.5 | 14.66 | 0.00 | 2.879 | 0.000000 |
| Supa 132kV | 09/01/2020 15:45:00 | 64 | 8750.0 | 1290.0 | 0.0 | -1290.0 | 14.74 | 0.00 | 3.839 | 0.000000 |
| Supa 132kV | 09/01/2020 16:00:00 | 65 | 8750.0 | 1287.5 | 0.0 | -1287.5 | 14.71 | 0.00 | 1.727 | 0.000000 |
| Supa 132kV | 09/01/2020 16:15:00 | 66 | 8750.0 | 1285.0 | 21.88 | -1263.12 | 14.44 | 0.00 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Supa 132kV | 09/01/2020 16:30:00 | 67 | 8750.0 | 1282.5 | 33.59 | -1248.91 | 14.27 | 0.00 | -4.159 | 0.000000 |
| Supa 132kV | 09/01/2020 16:45:00 | 68 | 8750.0 | 1290.0 | 70.31 | -1219.69 | 13.94 | 0.00 | 3.839 | 0.000000 |
| Supa 132kV | 09/01/2020 17:00:00 | 69 | 8750.0 | 1297.5 | 257.03 | -1040.47 | 11.89 | 0.00 | 1.727 | 0.000000 |
| Supa 132kV | 09/01/2020 17:15:00 | 70 | 8750.0 | 1302.5 | 467.97 | -834.53 | 9.54 | 0.00 | 3.839 | 286.841116 |
| Supa 132kV | 09/01/2020 17:30:00 | 71 | 8750.0 | 1302.5 | 825.0 | -477.5 | 5.46 | 0.00 | -2.879 | 0.000000 |
| Supa 132kV | 09/01/2020 17:45:00 | 72 | 8750.0 | 1302.5 | 770.31 | -532.19 | 6.08 | 0.00 | -4.146 | 0.000000 |
| Supa 132kV | 09/01/2020 18:00:00 | 73 | 8750.0 | 1267.5 | 927.34 | -340.16 | 3.89 | 0.00 | -3.349 | 0.000000 |
| Supa 132kV | 09/01/2020 18:15:00 | 74 | 8750.0 | 1267.5 | 869.53 | -397.97 | 4.55 | 0.00 | -4.563 | 0.000000 |
| Supa 132kV | 09/01/2020 18:30:00 | 75 | 8750.0 | 1267.5 | 921.09 | -346.41 | 3.96 | 0.00 | -3.839 | 0.000000 |
| Supa 132kV | 09/01/2020 18:45:00 | 76 | 8750.0 | 1280.0 | 1053.12 | -226.88 | 2.59 | 0.00 | -2.879 | 0.000000 |
| Supa 132kV | 09/01/2020 19:00:00 | 77 | 8750.0 | 1285.0 | 1013.28 | -271.72 | 3.11 | 0.00 | -3.199 | 0.000000 |
| Supa 132kV | 09/01/2020 19:15:00 | 78 | 8750.0 | 1292.5 | 1042.97 | -249.53 | 2.85 | 0.00 | -1.727 | 0.000000 |
| Supa 132kV | 09/01/2020 19:30:00 | 79 | 8750.0 | 1297.5 | 1264.84 | -32.66 | 0.37 | 0.00 | -1.442 | 0.000000 |
| Supa 132kV | 09/01/2020 19:45:00 | 80 | 8750.0 | 1310.0 | 1501.56 | 191.56 | 2.19 | 0.00 | -0.286 | 0.000000 |
| Supa 132kV | 09/01/2020 20:00:00 | 81 | 8750.0 | 1337.5 | 1509.38 | 171.88 | 1.96 | 0.00 | -1.070 | 0.000000 |
| Supa 132kV | 09/01/2020 20:15:00 | 82 | 8750.0 | 1372.5 | 1463.28 | 90.78 | 1.04 | 0.00 | -2.236 | 0.000000 |
| Supa 132kV | 09/01/2020 20:30:00 | 83 | 8750.0 | 1492.5 | 1489.06 | -3.44 | 0.04 | 0.00 | -4.799 | 0.000000 |
| Supa 132kV | 09/01/2020 20:45:00 | 84 | 8750.0 | 1692.5 | 1576.56 | -115.94 | 1.33 | 0.00 | -1.727 | 0.000000 |
| Supa 132kV | 09/01/2020 21:00:00 | 85 | 8750.0 | 1302.5 | 1479.69 | 177.19 | 2.03 | 0.00 | -1.727 | 0.000000 |
| Supa 132kV | 09/01/2020 21:15:00 | 86 | 8750.0 | 1302.5 | 2379.69 | 1077.19 | 12.31 | 0.00 | 1.152 | 0.000000 |
| Supa 132kV | 09/01/2020 21:30:00 | 87 | 8750.0 | 1302.5 | 2851.56 | 1549.06 | 17.7 | 118.28 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Supa 132kV | 09/01/2020 21:45:00 | 88 | 8750.0 | 1267.5 | 2821.09 | 1553.59 | 17.76 | 120.55 | -2.303 | 0.000000 |
| Supa 132kV | 09/01/2020 22:00:00 | 89 | 8750.0 | 1267.5 | 3191.41 | 1923.91 | 21.99 | 305.71 | -2.795 | 0.000000 |
| Supa 132kV | 09/01/2020 22:15:00 | 90 | 8750.0 | 1267.5 | 3200.0 | 1932.5 | 22.09 | 310.00 | -3.674 | 0.000000 |
| Supa 132kV | 09/01/2020 22:30:00 | 91 | 8750.0 | 1280.0 | 3183.59 | 1903.59 | 21.76 | 295.55 | -2.303 | 0.000000 |
| Supa 132kV | 09/01/2020 22:45:00 | 92 | 8750.0 | 1285.0 | 3149.22 | 1864.22 | 21.31 | 275.86 | -1.152 | 0.000000 |
| Supa 132kV | 09/01/2020 23:00:00 | 93 | 8750.0 | 1292.5 | 3019.53 | 1727.03 | 19.74 | 207.27 | 0.000 | 0.000000 |
| Supa 132kV | 09/01/2020 23:15:00 | 94 | 8750.0 | 1297.5 | 2796.09 | 1498.59 | 17.13 | 93.05 | -0.576 | 0.000000 |
| Supa 132kV | 09/01/2020 23:30:00 | 95 | 8750.0 | 1310.0 | 2541.41 | 1231.41 | 14.07 | 0.00 | -0.576 | 0.000000 |
| Supa 132kV | 09/01/2020 23:45:00 | 96 | 8750.0 | 1337.5 | 2585.94 | 1248.44 | 14.27 | 0.00 | -0.987 | 0.000000 |
| Supa 132kV | 10/01/2020 00:00:00 | 1 | 8750.0 | 1062.5 | 2424.22 | 1361.72 | 15.56 | 24.61 | -0.680 | 0.000000 |
| Supa 132kV | 10/01/2020 00:15:00 | 2 | 8750.0 | 1162.5 | 2040.63 | 878.13 | 10.04 | 0.00 | -3.326 | 0.000000 |
| Supa 132kV | 10/01/2020 00:30:00 | 3 | 8750.0 | 1240.0 | 1721.09 | 481.09 | 5.5 | 0.00 | -2.992 | 0.000000 |
| Supa 132kV | 10/01/2020 00:45:00 | 4 | 8750.0 | 1237.5 | 1706.25 | 468.75 | 5.36 | 0.00 | -0.532 | 0.000000 |
| Supa 132kV | 10/01/2020 01:00:00 | 5 | 8750.0 | 1162.5 | 2114.84 | 952.34 | 10.88 | 0.00 | -0.713 | 0.000000 |
| Supa 132kV | 10/01/2020 01:15:00 | 6 | 8750.0 | 1135.0 | 2124.22 | 989.22 | 11.31 | 0.00 | -0.548 | 0.000000 |
| Supa 132kV | 10/01/2020 01:30:00 | 7 | 8750.0 | 1145.0 | 2307.03 | 1162.03 | 13.28 | 0.00 | -2.658 | 0.000000 |
| Supa 132kV | 10/01/2020 01:45:00 | 8 | 8750.0 | 1217.5 | 2641.41 | 1423.91 | 16.27 | 55.71 | 2.127 | 0.000000 |
| Supa 132kV | 10/01/2020 02:00:00 | 9 | 8750.0 | 1222.5 | 2788.28 | 1565.78 | 17.89 | 126.64 | 5.342 | 0.000000 |
| Supa 132kV | 10/01/2020 02:15:00 | 10 | 8750.0 | 1235.0 | 2700.78 | 1465.78 | 16.75 | 76.64 | 1.595 | 0.000000 |
| Supa 132kV | 10/01/2020 02:30:00 | 11 | 8750.0 | 1062.5 | 2914.06 | 1851.56 | 21.16 | 269.53 | 3.326 | 0.000000 |
| Supa 132kV | 10/01/2020 02:45:00 | 12 | 8750.0 | 1162.5 | 2975.0 | 1812.5 | 20.71 | 250.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Supa 132kV | 10/01/2020 03:00:00 | 13 | 8750.0 | 1260.0 | 3062.5 | 1802.5 | 20.6 | 245.00 | 2.658 | 0.000000 |
| Supa 132kV | 10/01/2020 03:15:00 | 14 | 8750.0 | 1277.5 | 2966.41 | 1688.91 | 19.3 | 188.21 | 2.127 | 0.000000 |
| Supa 132kV | 10/01/2020 03:30:00 | 15 | 8750.0 | 1257.5 | 2914.84 | 1657.34 | 18.94 | 172.42 | 2.127 | 0.000000 |
| Supa 132kV | 10/01/2020 03:45:00 | 16 | 8750.0 | 1252.5 | 2995.31 | 1742.81 | 19.92 | 215.16 | -1.063 | 0.000000 |
| Supa 132kV | 10/01/2020 04:00:00 | 17 | 8750.0 | 1280.0 | 2869.53 | 1589.53 | 18.17 | 138.52 | 1.595 | 0.000000 |
| Supa 132kV | 10/01/2020 04:15:00 | 18 | 8750.0 | 1135.0 | 2828.91 | 1693.91 | 19.36 | 190.71 | 3.326 | 0.000000 |
| Supa 132kV | 10/01/2020 04:30:00 | 19 | 8750.0 | 1132.5 | 2669.53 | 1537.03 | 17.57 | 112.27 | 3.326 | 0.000000 |
| Supa 132kV | 10/01/2020 04:45:00 | 20 | 8750.0 | 1262.5 | 2489.06 | 1226.56 | 14.02 | 0.00 | 2.127 | 0.000000 |
| Supa 132kV | 10/01/2020 05:00:00 | 21 | 8750.0 | 1272.5 | 2288.28 | 1015.78 | 11.61 | 0.00 | 2.992 | 0.000000 |
| Supa 132kV | 10/01/2020 05:15:00 | 22 | 8750.0 | 1260.0 | 2161.72 | 901.72 | 10.31 | 0.00 | 1.063 | 0.000000 |
| Supa 132kV | 10/01/2020 05:30:00 | 23 | 8750.0 | 1277.5 | 1985.16 | 707.66 | 8.09 | 0.00 | -2.658 | 0.000000 |
| Supa 132kV | 10/01/2020 05:45:00 | 24 | 8750.0 | 1062.5 | 1834.38 | 771.88 | 8.82 | 0.00 | 2.127 | 0.000000 |
| Supa 132kV | 10/01/2020 06:00:00 | 25 | 8750.0 | 1162.5 | 1346.88 | 184.38 | 2.11 | 0.00 | -2.127 | 0.000000 |
| Supa 132kV | 10/01/2020 06:15:00 | 26 | 8750.0 | 1240.0 | 1193.75 | -46.25 | 0.53 | 0.00 | 2.658 | 11.733125 |
| Supa 132kV | 10/01/2020 06:30:00 | 27 | 8750.0 | 1237.5 | 909.38 | -328.12 | 3.75 | 0.00 | -2.992 | 0.000000 |
| Supa 132kV | 10/01/2020 06:45:00 | 28 | 8750.0 | 1162.5 | 389.06 | -773.44 | 8.84 | 0.00 | -3.077 | 0.000000 |
| Supa 132kV | 10/01/2020 07:00:00 | 29 | 8750.0 | 1135.0 | 83.59 | -1051.41 | 12.02 | 0.00 | -0.687 | 0.000000 |
| Supa 132kV | 10/01/2020 07:15:00 | 30 | 8750.0 | 1145.0 | 63.28 | -1081.72 | 12.36 | 0.00 | -2.658 | 0.000000 |
| Supa 132kV | 10/01/2020 07:30:00 | 31 | 8750.0 | 1217.5 | 5.47 | -1212.03 | 13.85 | 0.00 | -1.063 | 0.000000 |
| Supa 132kV | 10/01/2020 07:45:00 | 32 | 8750.0 | 1222.5 | 42.19 | -1180.31 | 13.49 | 0.00 | -2.658 | 0.000000 |
| Supa 132kV | 10/01/2020 08:00:00 | 33 | 8750.0 | 1235.0 | 155.47 | -1079.53 | 12.34 | 0.00 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Supa 132kV | 10/01/2020 08:15:00 | 34 | 8750.0 | 1062.5 | 308.59 | -753.91 | 8.62 | 0.00 | -4.661 | 0.000000 |
| Supa 132kV | 10/01/2020 08:30:00 | 35 | 8750.0 | 1162.5 | 572.66 | -589.84 | 6.74 | 0.00 | 5.663 | 0.000000 |
| Supa 132kV | 10/01/2020 08:45:00 | 36 | 8750.0 | 1260.0 | 662.5 | -597.5 | 6.83 | 0.00 | 4.328 | 0.000000 |
| Supa 132kV | 10/01/2020 09:00:00 | 37 | 8750.0 | 1277.5 | 625.0 | -652.5 | 7.46 | 0.00 | -4.995 | 0.000000 |
| Supa 132kV | 10/01/2020 09:15:00 | 38 | 8750.0 | 1257.5 | 484.38 | -773.12 | 8.84 | 0.00 | -4.327 | 0.000000 |
| Supa 132kV | 10/01/2020 09:30:00 | 39 | 8750.0 | 1252.5 | 228.91 | -1023.59 | 11.7 | 0.00 | -2.127 | 0.000000 |
| Supa 132kV | 10/01/2020 09:45:00 | 40 | 8750.0 | 1280.0 | 115.62 | -1164.38 | 13.31 | 0.00 | -1.152 | 0.000000 |
| Supa 132kV | 10/01/2020 10:00:00 | 41 | 8750.0 | 1135.0 | 39.06 | -1095.94 | 12.53 | 0.00 | 0.000 | 0.000000 |
| Supa 132kV | 10/01/2020 10:15:00 | 42 | 8750.0 | 1132.5 | 0.0 | -1132.5 | 12.94 | 0.00 | -0.532 | 0.000000 |
| Supa 132kV | 10/01/2020 10:30:00 | 43 | 8750.0 | 1262.5 | 0.0 | -1262.5 | 14.43 | 0.00 | -1.063 | 0.000000 |
| Supa 132kV | 10/01/2020 10:45:00 | 44 | 8750.0 | 1272.5 | 0.0 | -1272.5 | 14.54 | 0.00 | 0.000 | 0.000000 |
| Supa 132kV | 10/01/2020 11:00:00 | 45 | 8750.0 | 1260.0 | 0.0 | -1260.0 | 14.4 | 0.00 | 2.658 | 0.000000 |
| Supa 132kV | 10/01/2020 11:15:00 | 46 | 8750.0 | 1277.5 | 0.0 | -1277.5 | 14.6 | 0.00 | 0.000 | 0.000000 |
| Supa 132kV | 10/01/2020 11:30:00 | 47 | 8750.0 | 1062.5 | 0.0 | -1062.5 | 12.14 | 0.00 | -1.595 | 0.000000 |
| Supa 132kV | 10/01/2020 11:45:00 | 48 | 8750.0 | 1162.5 | 0.0 | -1162.5 | 13.29 | 0.00 | 2.992 | 0.000000 |
| Supa 132kV | 10/01/2020 12:00:00 | 49 | 8750.0 | 1240.0 | 0.0 | -1240.0 | 14.17 | 0.00 | 0.000 | 0.000000 |
| Supa 132kV | 10/01/2020 12:15:00 | 50 | 8750.0 | 1237.5 | 0.0 | -1237.5 | 14.14 | 0.00 | 2.127 | 0.000000 |
| Supa 132kV | 10/01/2020 12:30:00 | 51 | 8750.0 | 1162.5 | 0.78 | -1161.72 | 13.28 | 0.00 | 1.595 | 0.000000 |
| Supa 132kV | 10/01/2020 12:45:00 | 52 | 8750.0 | 1135.0 | 1.56 | -1133.44 | 12.95 | 0.00 | -1.063 | 0.000000 |
| Supa 132kV | 10/01/2020 13:00:00 | 53 | 8750.0 | 1145.0 | 0.0 | -1145.0 | 13.09 | 0.00 | 2.658 | 0.000000 |
| Supa 132kV | 10/01/2020 13:15:00 | 54 | 8750.0 | 1217.5 | 0.0 | -1217.5 | 13.91 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Supa 132kV | 10/01/2020 13:30:00 | 55 | 8750.0 | 1222.5 | 0.0 | -1222.5 | 13.97 | 0.00 | 2.127 | 0.000000 |
| Supa 132kV | 10/01/2020 13:45:00 | 56 | 8750.0 | 1235.0 | 5.47 | -1229.53 | 14.05 | 0.00 | -3.326 | 0.000000 |
| Supa 132kV | 10/01/2020 14:00:00 | 57 | 8750.0 | 1062.5 | 7.81 | -1054.69 | 12.05 | 0.00 | -2.992 | 0.000000 |
| Supa 132kV | 10/01/2020 14:15:00 | 58 | 8750.0 | 1162.5 | 3.91 | -1158.59 | 13.24 | 0.00 | 3.660 | 0.000000 |
| Supa 132kV | 10/01/2020 14:30:00 | 59 | 8750.0 | 1260.0 | 41.41 | -1218.59 | 13.93 | 0.00 | -2.127 | 0.000000 |
| Supa 132kV | 10/01/2020 14:45:00 | 60 | 8750.0 | 1277.5 | 17.97 | -1259.53 | 14.39 | 0.00 | -2.127 | 0.000000 |
| Supa 132kV | 10/01/2020 15:00:00 | 61 | 8750.0 | 1257.5 | 49.22 | -1208.28 | 13.81 | 0.00 | 0.000 | 0.000000 |
| Supa 132kV | 10/01/2020 15:15:00 | 62 | 8750.0 | 1252.5 | 69.53 | -1182.97 | 13.52 | 0.00 | -2.992 | 0.000000 |
| Supa 132kV | 10/01/2020 15:30:00 | 63 | 8750.0 | 1280.0 | 63.28 | -1216.72 | 13.91 | 0.00 | -4.995 | 0.000000 |
| Supa 132kV | 10/01/2020 15:45:00 | 64 | 8750.0 | 1135.0 | 50.78 | -1084.22 | 12.39 | 0.00 | -4.327 | 0.000000 |
| Supa 132kV | 10/01/2020 16:00:00 | 65 | 8750.0 | 1132.5 | 65.62 | -1066.88 | 12.19 | 0.00 | -4.995 | 0.000000 |
| Supa 132kV | 10/01/2020 16:15:00 | 66 | 8750.0 | 1262.5 | 48.44 | -1214.06 | 13.87 | 0.00 | -8.000 | 0.000000 |
| Supa 132kV | 10/01/2020 16:30:00 | 67 | 8750.0 | 1272.5 | 65.62 | -1206.88 | 13.79 | 0.00 | -8.000 | 0.000000 |
| Supa 132kV | 10/01/2020 16:45:00 | 68 | 8750.0 | 1260.0 | 32.03 | -1227.97 | 14.03 | 0.00 | 4.327 | 0.000000 |
| Supa 132kV | 10/01/2020 17:00:00 | 69 | 8750.0 | 1277.5 | 0.78 | -1276.72 | 14.59 | 0.00 | 0.532 | 0.000000 |
| Supa 132kV | 10/01/2020 17:15:00 | 70 | 8750.0 | 1062.5 | 1.56 | -1060.94 | 12.13 | 0.00 | -1.595 | 0.000000 |
| Supa 132kV | 10/01/2020 17:30:00 | 71 | 8750.0 | 1162.5 | 16.41 | -1146.09 | 13.1 | 0.00 | -2.658 | 0.000000 |
| Supa 132kV | 10/01/2020 17:45:00 | 72 | 8750.0 | 1240.0 | 82.81 | -1157.19 | 13.23 | 0.00 | -2.127 | 0.000000 |
| Supa 132kV | 10/01/2020 18:00:00 | 73 | 8750.0 | 1237.5 | 52.34 | -1185.16 | 13.54 | 0.00 | -1.461 | 0.000000 |
| Supa 132kV | 10/01/2020 18:15:00 | 74 | 8750.0 | 1162.5 | 0.0 | -1162.5 | 13.29 | 0.00 | 3.326 | 408.521325 |
| Supa 132kV | 10/01/2020 18:30:00 | 75 | 8750.0 | 1135.0 | 0.0 | -1135.0 | 12.97 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Supa 132kV | 10/01/2020 18:45:00 | 76 | 8750.0 | 1145.0 | 0.0 | -1145.0 | 13.09 | 0.00 | 3.994 | 191.128433 |
| Supa 132kV | 10/01/2020 19:00:00 | 77 | 8750.0 | 1217.5 | 70.31 | -1147.19 | 13.11 | 0.00 | -2.127 | 0.000000 |
| Supa 132kV | 10/01/2020 19:15:00 | 78 | 8750.0 | 1222.5 | 326.56 | -895.94 | 10.24 | 0.00 | -2.658 | 0.000000 |
| Supa 132kV | 10/01/2020 19:30:00 | 79 | 8750.0 | 1235.0 | 324.22 | -910.78 | 10.41 | 0.00 | -3.660 | 0.000000 |
| Supa 132kV | 10/01/2020 19:45:00 | 80 | 8750.0 | 1062.5 | 171.09 | -891.41 | 10.19 | 0.00 | -3.326 | 0.000000 |
| Supa 132kV | 10/01/2020 20:00:00 | 81 | 8750.0 | 1162.5 | 168.75 | -993.75 | 11.36 | 0.00 | 3.660 | 242.245307 |
| Supa 132kV | 10/01/2020 20:15:00 | 82 | 8750.0 | 1260.0 | 155.47 | -1104.53 | 12.62 | 0.00 | 3.660 | 1156.278924 |
| Supa 132kV | 10/01/2020 20:30:00 | 83 | 8750.0 | 1277.5 | 173.44 | -1104.06 | 12.62 | 0.00 | 4.995 | 1640.810913 |
| Supa 132kV | 10/01/2020 20:45:00 | 84 | 8750.0 | 1257.5 | 241.41 | -1016.09 | 11.61 | 0.00 | 2.992 | 1067.838940 |
| Supa 132kV | 10/01/2020 21:00:00 | 85 | 8750.0 | 1132.5 | 521.09 | -611.41 | 6.99 | 0.00 | -3.660 | 0.000000 |
| Supa 132kV | 10/01/2020 21:15:00 | 86 | 8750.0 | 1262.5 | 660.16 | -602.34 | 6.88 | 0.00 | -1.595 | 0.000000 |
| Supa 132kV | 10/01/2020 21:30:00 | 87 | 8750.0 | 1272.5 | 835.94 | -436.56 | 4.99 | 0.00 | -1.063 | 0.000000 |
| Supa 132kV | 10/01/2020 21:45:00 | 88 | 8750.0 | 1260.0 | 767.97 | -492.03 | 5.62 | 0.00 | -0.532 | 0.000000 |
| Supa 132kV | 10/01/2020 22:00:00 | 89 | 8750.0 | 1277.5 | 721.88 | -555.62 | 6.35 | 0.00 | -1.595 | 0.000000 |
| Supa 132kV | 10/01/2020 22:15:00 | 90 | 8750.0 | 1062.5 | 825.0 | -237.5 | 2.71 | 0.00 | -2.127 | 0.000000 |
| Supa 132kV | 10/01/2020 22:30:00 | 91 | 8750.0 | 1162.5 | 925.0 | -237.5 | 2.71 | 0.00 | 1.063 | 0.000000 |
| Supa 132kV | 10/01/2020 22:45:00 | 92 | 8750.0 | 1240.0 | 977.34 | -262.66 | 3.0 | 0.00 | -2.658 | 0.000000 |
| Supa 132kV | 10/01/2020 23:00:00 | 93 | 8750.0 | 1237.5 | 947.66 | -289.84 | 3.31 | 0.00 | -2.658 | 0.000000 |
| Supa 132kV | 10/01/2020 23:15:00 | 94 | 8750.0 | 1162.5 | 835.16 | -327.34 | 3.74 | 0.00 | 0.000 | 0.000000 |
| Supa 132kV | 10/01/2020 23:30:00 | 95 | 8750.0 | 1135.0 | 754.69 | -380.31 | 4.35 | 0.00 | 0.000 | 0.000000 |
| Supa 132kV | 10/01/2020 23:45:00 | 96 | 8750.0 | 1145.0 | 694.53 | -450.47 | 5.15 | 0.00 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Supa 132kV | 11/01/2020 00:00:00 | 1 | 8750.0 | 1062.5 | 618.75 | -443.75 | 5.07 | 0.00 | 0.000 | 0.000000 |
| Supa 132kV | 11/01/2020 00:15:00 | 2 | 8750.0 | 1162.5 | 460.16 | -702.34 | 8.03 | 0.00 | -2.629 | 0.000000 |
| Supa 132kV | 11/01/2020 00:30:00 | 3 | 8750.0 | 1240.0 | 467.19 | -772.81 | 8.83 | 0.00 | -1.577 | 0.000000 |
| Supa 132kV | 11/01/2020 00:45:00 | 4 | 8750.0 | 1237.5 | 557.81 | -679.69 | 7.77 | 0.00 | 2.103 | 0.000000 |
| Supa 132kV | 11/01/2020 01:00:00 | 5 | 8750.0 | 1162.5 | 593.75 | -568.75 | 6.5 | 0.00 | 2.964 | 267.206212 |
| Supa 132kV | 11/01/2020 01:15:00 | 6 | 8750.0 | 1135.0 | 532.03 | -602.97 | 6.89 | 0.00 | 1.052 | 39.766973 |
| Supa 132kV | 11/01/2020 01:30:00 | 7 | 8750.0 | 1145.0 | 339.84 | -805.16 | 9.2 | 0.00 | 1.577 | 94.541715 |
| Supa 132kV | 11/01/2020 01:45:00 | 8 | 8750.0 | 1217.5 | 385.94 | -831.56 | 9.5 | 0.00 | -0.526 | 0.000000 |
| Supa 132kV | 11/01/2020 02:00:00 | 9 | 8750.0 | 1222.5 | 449.22 | -773.28 | 8.84 | 0.00 | -0.403 | 0.000000 |
| Supa 132kV | 11/01/2020 02:15:00 | 10 | 8750.0 | 1235.0 | 425.0 | -810.0 | 9.26 | 0.00 | -0.630 | 0.000000 |
| Supa 132kV | 11/01/2020 02:30:00 | 11 | 8750.0 | 1062.5 | 460.16 | -602.34 | 6.88 | 0.00 | -0.526 | 0.000000 |
| Supa 132kV | 11/01/2020 02:45:00 | 12 | 8750.0 | 1162.5 | 650.0 | -512.5 | 5.86 | 0.00 | -0.526 | 0.000000 |
| Supa 132kV | 11/01/2020 03:00:00 | 13 | 8750.0 | 1260.0 | 873.44 | -386.56 | 4.42 | 0.00 | -1.051 | 0.000000 |
| Supa 132kV | 11/01/2020 03:15:00 | 14 | 8750.0 | 1277.5 | 974.22 | -303.28 | 3.47 | 0.00 | 0.000 | 0.000000 |
| Supa 132kV | 11/01/2020 03:30:00 | 15 | 8750.0 | 1257.5 | 1086.72 | -170.78 | 1.95 | 0.00 | 0.000 | 0.000000 |
| Supa 132kV | 11/01/2020 03:45:00 | 16 | 8750.0 | 1252.5 | 1319.53 | 67.03 | 0.77 | 0.00 | 0.000 | 0.000000 |
| Supa 132kV | 11/01/2020 04:00:00 | 17 | 8750.0 | 1280.0 | 1767.97 | 487.97 | 5.58 | 0.00 | 0.000 | 0.000000 |
| Supa 132kV | 11/01/2020 04:15:00 | 18 | 8750.0 | 1135.0 | 2179.69 | 1044.69 | 11.94 | 0.00 | -1.051 | 0.000000 |
| Supa 132kV | 11/01/2020 04:30:00 | 19 | 8750.0 | 1132.5 | 2590.62 | 1458.12 | 16.66 | 72.81 | -2.964 | 0.000000 |
| Supa 132kV | 11/01/2020 04:45:00 | 20 | 8750.0 | 1262.5 | 2717.19 | 1454.69 | 16.63 | 71.10 | -3.300 | 0.000000 |
| Supa 132kV | 11/01/2020 05:00:00 | 21 | 8750.0 | 1272.5 | 2391.41 | 1118.91 | 12.79 | 0.00 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Supa 132kV | 11/01/2020 05:15:00 | 22 | 8750.0 | 1260.0 | 2258.59 | 998.59 | 11.41 | 0.00 | 5.314 | 0.000000 |
| Supa 132kV | 11/01/2020 05:30:00 | 23 | 8750.0 | 1277.5 | 2394.53 | 1117.03 | 12.77 | 0.00 | 2.964 | 0.000000 |
| Supa 132kV | 11/01/2020 05:45:00 | 24 | 8750.0 | 1062.5 | 1976.56 | 914.06 | 10.45 | 0.00 | 2.103 | 0.000000 |
| Supa 132kV | 11/01/2020 06:00:00 | 25 | 8750.0 | 1162.5 | 1606.25 | 443.75 | 5.07 | 0.00 | 3.636 | 0.000000 |
| Supa 132kV | 11/01/2020 06:15:00 | 26 | 8750.0 | 1240.0 | 1418.75 | 178.75 | 2.04 | 0.00 | 2.964 | 0.000000 |
| Supa 132kV | 11/01/2020 06:30:00 | 27 | 8750.0 | 1237.5 | 1246.88 | 9.38 | 0.11 | 0.00 | 4.105 | 0.000000 |
| Supa 132kV | 11/01/2020 06:45:00 | 28 | 8750.0 | 1162.5 | 1412.5 | 250.0 | 2.86 | 0.00 | 5.650 | 0.000000 |
| Supa 132kV | 11/01/2020 07:00:00 | 29 | 8750.0 | 1135.0 | 1560.16 | 425.16 | 4.86 | 0.00 | 3.300 | 0.000000 |
| Supa 132kV | 11/01/2020 07:15:00 | 30 | 8750.0 | 1145.0 | 1515.62 | 370.62 | 4.24 | 0.00 | 5.314 | 0.000000 |
| Supa 132kV | 11/01/2020 07:30:00 | 31 | 8750.0 | 1217.5 | 1292.19 | 74.69 | 0.85 | 0.00 | 2.964 | 0.000000 |
| Supa 132kV | 11/01/2020 07:45:00 | 32 | 8750.0 | 1222.5 | 1146.09 | -76.41 | 0.87 | 0.00 | 2.103 | 0.000000 |
| Supa 132kV | 11/01/2020 08:00:00 | 33 | 8750.0 | 1235.0 | 1055.47 | -179.53 | 2.05 | 0.00 | -1.577 | 0.000000 |
| Supa 132kV | 11/01/2020 08:15:00 | 34 | 8750.0 | 1062.5 | 1039.84 | -22.66 | 0.26 | 0.00 | 3.300 | 0.000000 |
| Supa 132kV | 11/01/2020 08:30:00 | 35 | 8750.0 | 1162.5 | 933.59 | -228.91 | 2.62 | 0.00 | 2.116 | 0.000000 |
| Supa 132kV | 11/01/2020 08:45:00 | 36 | 8750.0 | 1260.0 | 892.97 | -367.03 | 4.19 | 0.00 | 2.964 | 0.000000 |
| Supa 132kV | 11/01/2020 09:00:00 | 37 | 8750.0 | 1277.5 | 827.34 | -450.16 | 5.14 | 0.00 | 6.681 | 0.000000 |
| Supa 132kV | 11/01/2020 09:15:00 | 38 | 8750.0 | 1257.5 | 670.31 | -587.19 | 6.71 | 0.00 | 6.657 | 0.000000 |
| Supa 132kV | 11/01/2020 09:30:00 | 39 | 8750.0 | 1252.5 | 682.81 | -569.69 | 6.51 | 0.00 | -6.322 | 0.000000 |
| Supa 132kV | 11/01/2020 09:45:00 | 40 | 8750.0 | 1280.0 | 659.38 | -620.62 | 7.09 | 0.00 | -2.103 | 0.000000 |
| Supa 132kV | 11/01/2020 10:00:00 | 41 | 8750.0 | 1135.0 | 603.91 | -531.09 | 6.07 | 0.00 | 0.526 | 0.000000 |
| Supa 132kV | 11/01/2020 10:15:00 | 42 | 8750.0 | 1132.5 | 452.34 | -680.16 | 7.77 | 0.00 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Supa 132kV | 11/01/2020 10:30:00 | 43 | 8750.0 | 1262.5 | 519.53 | -742.97 | 8.49 | 0.00 | 0.000 | 0.000000 |
| Supa 132kV | 11/01/2020 10:45:00 | 44 | 8750.0 | 1272.5 | 521.09 | -751.41 | 8.59 | 0.00 | 0.000 | 0.000000 |
| Supa 132kV | 11/01/2020 11:00:00 | 45 | 8750.0 | 1260.0 | 635.16 | -624.84 | 7.14 | 0.00 | 0.000 | 0.000000 |
| Supa 132kV | 11/01/2020 11:15:00 | 46 | 8750.0 | 1277.5 | 662.5 | -615.0 | 7.03 | 0.00 | -2.964 | 0.000000 |
| Supa 132kV | 11/01/2020 11:30:00 | 47 | 8750.0 | 1062.5 | 663.28 | -399.22 | 4.56 | 0.00 | -4.307 | 0.000000 |
| Supa 132kV | 11/01/2020 11:45:00 | 48 | 8750.0 | 1162.5 | 570.31 | -592.19 | 6.77 | 0.00 | -3.300 | 0.000000 |
| Supa 132kV | 11/01/2020 12:00:00 | 49 | 8750.0 | 1240.0 | 719.53 | -520.47 | 5.95 | 0.00 | -0.526 | 0.000000 |
| Supa 132kV | 11/01/2020 12:15:00 | 50 | 8750.0 | 1237.5 | 620.31 | -617.19 | 7.05 | 0.00 | -2.103 | 0.000000 |
| Supa 132kV | 11/01/2020 12:30:00 | 51 | 8750.0 | 1162.5 | 550.0 | -612.5 | 7.0 | 0.00 | -2.629 | 0.000000 |
| Supa 132kV | 11/01/2020 12:45:00 | 52 | 8750.0 | 1135.0 | 342.19 | -792.81 | 9.06 | 0.00 | -2.629 | 0.000000 |
| Supa 132kV | 11/01/2020 13:00:00 | 53 | 8750.0 | 1145.0 | 226.56 | -918.44 | 10.5 | 0.00 | 0.000 | 0.000000 |
| Supa 132kV | 11/01/2020 13:15:00 | 54 | 8750.0 | 1217.5 | 261.72 | -955.78 | 10.92 | 0.00 | -2.103 | 0.000000 |
| Supa 132kV | 11/01/2020 13:30:00 | 55 | 8750.0 | 1222.5 | 260.16 | -962.34 | 11.0 | 0.00 | 2.629 | 0.000000 |
| Supa 132kV | 11/01/2020 13:45:00 | 56 | 8750.0 | 1235.0 | 161.72 | -1073.28 | 12.27 | 0.00 | 2.103 | 0.000000 |
| Supa 132kV | 11/01/2020 14:00:00 | 57 | 8750.0 | 1062.5 | 78.91 | -983.59 | 11.24 | 0.00 | 1.051 | 0.000000 |
| Supa 132kV | 11/01/2020 14:15:00 | 58 | 8750.0 | 1162.5 | 2.34 | -1160.16 | 13.26 | 0.00 | 3.300 | 0.000000 |
| Supa 132kV | 11/01/2020 14:30:00 | 59 | 8750.0 | 1260.0 | 0.0 | -1260.0 | 14.4 | 0.00 | -3.636 | 0.000000 |
| Supa 132kV | 11/01/2020 14:45:00 | 60 | 8750.0 | 1277.5 | 0.0 | -1277.5 | 14.6 | 0.00 | 4.979 | 0.000000 |
| Supa 132kV | 11/01/2020 15:00:00 | 61 | 8750.0 | 1257.5 | 0.78 | -1256.72 | 14.36 | 0.00 | -2.964 | 0.000000 |
| Supa 132kV | 11/01/2020 15:15:00 | 62 | 8750.0 | 1252.5 | 13.28 | -1239.22 | 14.16 | 0.00 | -5.314 | 0.000000 |
| Supa 132kV | 11/01/2020 15:30:00 | 63 | 8750.0 | 1280.0 | 16.41 | -1263.59 | 14.44 | 0.00 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Supa 132kV | 11/01/2020 15:45:00 | 64 | 8750.0 | 1135.0 | 18.75 | -1116.25 | 12.76 | 0.00 | 4.643 | 0.000000 |
| Supa 132kV | 11/01/2020 16:00:00 | 65 | 8750.0 | 1132.5 | 49.22 | -1083.28 | 12.38 | 0.00 | 2.103 | 0.000000 |
| Supa 132kV | 11/01/2020 16:15:00 | 66 | 8750.0 | 1262.5 | 7.03 | -1255.47 | 14.35 | 0.00 | -2.964 | 0.000000 |
| Supa 132kV | 11/01/2020 16:30:00 | 67 | 8750.0 | 1272.5 | 4.69 | -1267.81 | 14.49 | 0.00 | -2.103 | 0.000000 |
| Supa 132kV | 11/01/2020 16:45:00 | 68 | 8750.0 | 1260.0 | 0.0 | -1260.0 | 14.4 | 0.00 | 3.972 | 0.000000 |
| Supa 132kV | 11/01/2020 17:00:00 | 69 | 8750.0 | 1277.5 | 0.0 | -1277.5 | 14.6 | 0.00 | -1.577 | 0.000000 |
| Supa 132kV | 11/01/2020 17:15:00 | 70 | 8750.0 | 1062.5 | 0.0 | -1062.5 | 12.14 | 0.00 | -1.577 | 0.000000 |
| Supa 132kV | 11/01/2020 17:30:00 | 71 | 8750.0 | 1162.5 | 0.0 | -1162.5 | 13.29 | 0.00 | 1.051 | 14.832738 |
| Supa 132kV | 11/01/2020 17:45:00 | 72 | 8750.0 | 1240.0 | 7.81 | -1232.19 | 14.08 | 0.00 | -2.103 | 0.000000 |
| Supa 132kV | 11/01/2020 18:00:00 | 73 | 8750.0 | 1237.5 | 0.0 | -1237.5 | 14.14 | 0.00 | -2.964 | 0.000000 |
| Supa 132kV | 11/01/2020 18:15:00 | 74 | 8750.0 | 1162.5 | 0.0 | -1162.5 | 13.29 | 0.00 | -2.629 | 0.000000 |
| Supa 132kV | 11/01/2020 18:30:00 | 75 | 8750.0 | 1135.0 | 0.0 | -1135.0 | 12.97 | 0.00 | 2.103 | 39.898079 |
| Supa 132kV | 11/01/2020 18:45:00 | 76 | 8750.0 | 1145.0 | 0.0 | -1145.0 | 13.09 | 0.00 | 0.526 | 117.851226 |
| Supa 132kV | 11/01/2020 19:00:00 | 77 | 8750.0 | 1217.5 | 0.0 | -1217.5 | 13.91 | 0.00 | 2.103 | 497.709783 |
| Supa 132kV | 11/01/2020 19:15:00 | 78 | 8750.0 | 1222.5 | 0.0 | -1222.5 | 13.97 | 0.00 | -1.052 | 0.000000 |
| Supa 132kV | 11/01/2020 19:30:00 | 79 | 8750.0 | 1235.0 | 0.0 | -1235.0 | 14.11 | 0.00 | 2.964 | 0.000000 |
| Supa 132kV | 11/01/2020 19:45:00 | 80 | 8750.0 | 1062.5 | 0.0 | -1062.5 | 12.14 | 0.00 | 2.629 | 790.326727 |
| Supa 132kV | 11/01/2020 20:00:00 | 81 | 8750.0 | 1162.5 | 0.0 | -1162.5 | 13.29 | 0.00 | 2.629 | 189.058203 |
| Supa 132kV | 11/01/2020 20:15:00 | 82 | 8750.0 | 1260.0 | 0.0 | -1260.0 | 14.4 | 0.00 | 4.307 | 675.706898 |
| Supa 132kV | 11/01/2020 20:30:00 | 83 | 8750.0 | 1277.5 | 0.0 | -1277.5 | 14.6 | 0.00 | 2.964 | 1756.576676 |
| Supa 132kV | 11/01/2020 20:45:00 | 84 | 8750.0 | 1257.5 | 0.0 | -1257.5 | 14.37 | 0.00 | 2.629 | 1484.230818 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Supa 132kV | 11/01/2020 21:00:00 | 85 | 8750.0 | 1132.5 | 0.0 | -1132.5 | 12.94 | 0.00 | 3.636 | 242.771791 |
| Supa 132kV | 11/01/2020 21:15:00 | 86 | 8750.0 | 1262.5 | 17.97 | -1244.53 | 14.22 | 0.00 | -1.577 | 0.000000 |
| Supa 132kV | 11/01/2020 21:30:00 | 87 | 8750.0 | 1272.5 | 241.41 | -1031.09 | 11.78 | 0.00 | -1.577 | 0.000000 |
| Supa 132kV | 11/01/2020 21:45:00 | 88 | 8750.0 | 1260.0 | 285.94 | -974.06 | 11.13 | 0.00 | -1.052 | 0.000000 |
| Supa 132kV | 11/01/2020 22:00:00 | 89 | 8750.0 | 1277.5 | 353.91 | -923.59 | 10.56 | 0.00 | -5.650 | 0.000000 |
| Supa 132kV | 11/01/2020 22:15:00 | 90 | 8750.0 | 1062.5 | 350.78 | -711.72 | 8.13 | 0.00 | -5.650 | 0.000000 |
| Supa 132kV | 11/01/2020 22:30:00 | 91 | 8750.0 | 1537.5 | 399.22 | -1138.28 | 13.01 | 0.00 | 4.979 | 548.829214 |
| Supa 132kV | 11/01/2020 22:45:00 | 92 | 8750.0 | 1615.0 | 499.22 | -1115.78 | 12.75 | 0.00 | 2.964 | 700.690756 |
| Supa 132kV | 11/01/2020 23:00:00 | 93 | 8750.0 | 1612.5 | 571.09 | -1041.41 | 11.9 | 0.00 | 1.577 | 162.842928 |
| Supa 132kV | 11/01/2020 23:15:00 | 94 | 8750.0 | 1537.5 | 496.88 | -1040.62 | 11.89 | 0.00 | 1.074 | 133.094977 |
| Supa 132kV | 11/01/2020 23:30:00 | 95 | 8750.0 | 1510.0 | 578.91 | -931.09 | 10.64 | 0.00 | 2.113 | 536.762625 |
| Supa 132kV | 11/01/2020 23:45:00 | 96 | 8750.0 | 1520.0 | 594.53 | -925.47 | 10.58 | 0.00 | 2.162 | 687.813298 |
| Supa 132kV | 12/01/2020 00:00:00 | 1 | 8750.0 | 1062.5 | 470.31 | -592.19 | 6.77 | 0.00 | 3.022 | 364.237037 |
| Supa 132kV | 12/01/2020 00:15:00 | 2 | 8750.0 | 1597.5 | 439.84 | -1157.66 | 13.23 | 0.00 | -2.152 | 0.000000 |
| Supa 132kV | 12/01/2020 00:30:00 | 3 | 8750.0 | 1612.5 | 596.88 | -1015.62 | 11.61 | 0.00 | -2.152 | 0.000000 |
| Supa 132kV | 12/01/2020 00:45:00 | 4 | 8750.0 | 1632.5 | 693.75 | -938.75 | 10.73 | 0.00 | -3.022 | 0.000000 |
| Supa 132kV | 12/01/2020 01:00:00 | 5 | 8750.0 | 1650.0 | 751.56 | -898.44 | 10.27 | 0.00 | -0.629 | 0.000000 |
| Supa 132kV | 12/01/2020 01:15:00 | 6 | 8750.0 | 1662.5 | 771.88 | -890.62 | 10.18 | 0.00 | -3.317 | 0.000000 |
| Supa 132kV | 12/01/2020 01:30:00 | 7 | 8750.0 | 1622.5 | 760.94 | -861.56 | 9.85 | 0.00 | -3.354 | 0.000000 |
| Supa 132kV | 12/01/2020 01:45:00 | 8 | 8750.0 | 1595.0 | 797.66 | -797.34 | 9.11 | 0.00 | -3.022 | 0.000000 |
| Supa 132kV | 12/01/2020 02:00:00 | 9 | 8750.0 | 1577.5 | 945.31 | -632.19 | 7.23 | 0.00 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Supa 132kV | 12/01/2020 02:15:00 | 10 | 8750.0 | 1545.0 | 996.09 | -548.91 | 6.27 | 0.00 | -3.022 | 0.000000 |
| Supa 132kV | 12/01/2020 02:30:00 | 11 | 8750.0 | 1492.5 | 1050.78 | -441.72 | 5.05 | 0.00 | -2.690 | 0.000000 |
| Supa 132kV | 12/01/2020 02:45:00 | 12 | 8750.0 | 1442.5 | 1029.69 | -412.81 | 4.72 | 0.00 | -3.022 | 0.000000 |
| Supa 132kV | 12/01/2020 03:00:00 | 13 | 8750.0 | 1492.5 | 1014.84 | -477.66 | 5.46 | 0.00 | 3.354 | 226.165838 |
| Supa 132kV | 12/01/2020 03:15:00 | 14 | 8750.0 | 1445.0 | 1017.19 | -427.81 | 4.89 | 0.00 | 3.022 | 248.414325 |
| Supa 132kV | 12/01/2020 03:30:00 | 15 | 8750.0 | 1427.5 | 923.44 | -504.06 | 5.76 | 0.00 | 3.354 | 108.559210 |
| Supa 132kV | 12/01/2020 03:45:00 | 16 | 8750.0 | 1395.0 | 841.41 | -553.59 | 6.33 | 0.00 | 2.152 | 0.000000 |
| Supa 132kV | 12/01/2020 04:00:00 | 17 | 8750.0 | 1337.5 | 787.5 | -550.0 | 6.29 | 0.00 | -2.152 | 0.000000 |
| Supa 132kV | 12/01/2020 04:15:00 | 18 | 8750.0 | 1295.0 | 874.22 | -420.78 | 4.81 | 0.00 | -3.022 | 0.000000 |
| Supa 132kV | 12/01/2020 04:30:00 | 19 | 8750.0 | 1262.5 | 1005.47 | -257.03 | 2.94 | 0.00 | 1.076 | 0.000000 |
| Supa 132kV | 12/01/2020 04:45:00 | 20 | 8750.0 | 1272.5 | 871.09 | -401.41 | 4.59 | 0.00 | -3.022 | 0.000000 |
| Supa 132kV | 12/01/2020 05:00:00 | 21 | 8750.0 | 1260.0 | 610.16 | -649.84 | 7.43 | 0.00 | 3.686 | 0.000000 |
| Supa 132kV | 12/01/2020 05:15:00 | 22 | 8750.0 | 1277.5 | 639.84 | -637.66 | 7.29 | 0.00 | 3.686 | 703.511473 |
| Supa 132kV | 12/01/2020 05:30:00 | 23 | 8750.0 | 1062.5 | 659.37 | -403.13 | 4.61 | 0.00 | -1.614 | 0.000000 |
| Supa 132kV | 12/01/2020 05:45:00 | 24 | 8750.0 | 1162.5 | 678.91 | -483.59 | 5.53 | 0.00 | -0.496 | 0.000000 |
| Supa 132kV | 12/01/2020 06:00:00 | 25 | 8750.0 | 1240.0 | 632.03 | -607.97 | 6.95 | 0.00 | 0.000 | 0.000000 |
| Supa 132kV | 12/01/2020 06:15:00 | 26 | 8750.0 | 1237.5 | 557.81 | -679.69 | 7.77 | 0.00 | -0.430 | 0.000000 |
| Supa 132kV | 12/01/2020 06:30:00 | 27 | 8750.0 | 1162.5 | 558.59 | -603.91 | 6.9 | 0.00 | -2.152 | 0.000000 |
| Supa 132kV | 12/01/2020 06:45:00 | 28 | 8750.0 | 1135.0 | 521.88 | -613.12 | 7.01 | 0.00 | 4.681 | 0.000000 |
| Supa 132kV | 12/01/2020 07:00:00 | 29 | 8750.0 | 1145.0 | 394.53 | -750.47 | 8.58 | 0.00 | 1.614 | 0.000000 |
| Supa 132kV | 12/01/2020 07:15:00 | 30 | 8750.0 | 1217.5 | 367.19 | -850.31 | 9.72 | 0.00 | 3.838 | 703.764549 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Supa 132kV | 12/01/2020 07:30:00 | 31 | 8750.0 | 1222.5 | 207.03 | -1015.47 | 11.61 | 0.00 | 3.022 | 0.000000 |
| Supa 132kV | 12/01/2020 07:45:00 | 32 | 8750.0 | 1235.0 | 44.53 | -1190.47 | 13.61 | 0.00 | 2.690 | 0.000000 |
| Supa 132kV | 12/01/2020 08:00:00 | 33 | 8750.0 | 1062.5 | 56.25 | -1006.25 | 11.5 | 0.00 | -2.690 | 0.000000 |
| Supa 132kV | 12/01/2020 08:15:00 | 34 | 8750.0 | 1162.5 | 42.97 | -1119.53 | 12.79 | 0.00 | -4.018 | 0.000000 |
| Supa 132kV | 12/01/2020 08:30:00 | 35 | 8750.0 | 1260.0 | 12.5 | -1247.5 | 14.26 | 0.00 | -2.690 | 0.000000 |
| Supa 132kV | 12/01/2020 08:45:00 | 36 | 8750.0 | 1277.5 | 7.81 | -1269.69 | 14.51 | 0.00 | 3.022 | 0.000000 |
| Supa 132kV | 12/01/2020 09:00:00 | 37 | 8750.0 | 1257.5 | 38.28 | -1219.22 | 13.93 | 0.00 | -3.354 | 0.000000 |
| Supa 132kV | 12/01/2020 09:15:00 | 38 | 8750.0 | 1132.5 | 143.75 | -988.75 | 11.3 | 0.00 | -4.350 | 0.000000 |
| Supa 132kV | 12/01/2020 09:30:00 | 39 | 8750.0 | 1262.5 | 128.91 | -1133.59 | 12.96 | 0.00 | 2.152 | 0.000000 |
| Supa 132kV | 12/01/2020 09:45:00 | 40 | 8750.0 | 1272.5 | 108.59 | -1163.91 | 13.3 | 0.00 | -2.690 | 0.000000 |
| Supa 132kV | 12/01/2020 10:00:00 | 41 | 8750.0 | 1260.0 | 92.19 | -1167.81 | 13.35 | 0.00 | -3.354 | 0.000000 |
| Supa 132kV | 12/01/2020 10:15:00 | 42 | 8750.0 | 1277.5 | 242.19 | -1035.31 | 11.83 | 0.00 | -3.686 | 0.000000 |
| Supa 132kV | 12/01/2020 10:30:00 | 43 | 8750.0 | 1062.5 | 189.06 | -873.44 | 9.98 | 0.00 | -1.614 | 0.000000 |
| Supa 132kV | 12/01/2020 10:45:00 | 44 | 8750.0 | 1162.5 | 174.22 | -988.28 | 11.29 | 0.00 | 3.686 | 0.000000 |
| Supa 132kV | 12/01/2020 11:00:00 | 45 | 8750.0 | 1240.0 | 186.72 | -1053.28 | 12.04 | 0.00 | -3.354 | 0.000000 |
| Supa 132kV | 12/01/2020 11:15:00 | 46 | 8750.0 | 1237.5 | 167.19 | -1070.31 | 12.23 | 0.00 | -5.450 | 0.000000 |
| Supa 132kV | 12/01/2020 11:30:00 | 47 | 8750.0 | 1162.5 | 81.25 | -1081.25 | 12.36 | 0.00 | -6.009 | 0.000000 |
| Supa 132kV | 12/01/2020 11:45:00 | 48 | 8750.0 | 1135.0 | 100.0 | -1035.0 | 11.83 | 0.00 | 2.690 | 0.000000 |
| Supa 132kV | 12/01/2020 12:00:00 | 49 | 8750.0 | 1145.0 | 89.06 | -1055.94 | 12.07 | 0.00 | 3.686 | 0.000000 |
| Supa 132kV | 12/01/2020 12:15:00 | 50 | 8750.0 | 1262.5 | 42.19 | -1220.31 | 13.95 | 0.00 | -5.345 | 0.000000 |
| Supa 132kV | 12/01/2020 12:30:00 | 51 | 8750.0 | 1272.5 | 37.5 | -1235.0 | 14.11 | 0.00 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Supa 132kV | 12/01/2020 12:45:00 | 52 | 8750.0 | 1260.0 | 0.78 | -1259.22 | 14.39 | 0.00 | -5.345 | 0.000000 |
| Supa 132kV | 12/01/2020 13:00:00 | 53 | 8750.0 | 1277.5 | 2.34 | -1275.16 | 14.57 | 0.00 | -3.999 | 0.000000 |
| Supa 132kV | 12/01/2020 13:15:00 | 54 | 8750.0 | 1062.5 | 2.34 | -1060.16 | 12.12 | 0.00 | -4.350 | 0.000000 |
| Supa 132kV | 12/01/2020 13:30:00 | 55 | 8750.0 | 1162.5 | 0.0 | -1162.5 | 13.29 | 0.00 | -1.076 | 0.000000 |
| Supa 132kV | 12/01/2020 13:45:00 | 56 | 8750.0 | 1240.0 | 0.78 | -1239.22 | 14.16 | 0.00 | -2.690 | 0.000000 |
| Supa 132kV | 12/01/2020 14:00:00 | 57 | 8750.0 | 1237.5 | 11.72 | -1225.78 | 14.01 | 0.00 | -0.538 | 0.000000 |
| Supa 132kV | 12/01/2020 14:15:00 | 58 | 8750.0 | 1162.5 | 1.56 | -1160.94 | 13.27 | 0.00 | -2.152 | 0.000000 |
| Supa 132kV | 12/01/2020 14:30:00 | 59 | 8750.0 | 1135.0 | 0.0 | -1135.0 | 12.97 | 0.00 | -2.690 | 0.000000 |
| Supa 132kV | 12/01/2020 14:45:00 | 60 | 8750.0 | 1145.0 | 5.47 | -1139.53 | 13.02 | 0.00 | -1.076 | 0.000000 |
| Supa 132kV | 12/01/2020 15:00:00 | 61 | 8750.0 | 1217.5 | 10.16 | -1207.34 | 13.8 | 0.00 | 0.000 | 0.000000 |
| Supa 132kV | 12/01/2020 15:15:00 | 62 | 8750.0 | 1222.5 | 0.0 | -1222.5 | 13.97 | 0.00 | -2.690 | 0.000000 |
| Supa 132kV | 12/01/2020 15:30:00 | 63 | 8750.0 | 1235.0 | 0.0 | -1235.0 | 14.11 | 0.00 | -3.022 | 0.000000 |
| Supa 132kV | 12/01/2020 15:45:00 | 64 | 8750.0 | 1062.5 | 0.0 | -1062.5 | 12.14 | 0.00 | -3.686 | 0.000000 |
| Supa 132kV | 12/01/2020 16:00:00 | 65 | 8750.0 | 1162.5 | 0.0 | -1162.5 | 13.29 | 0.00 | -3.737 | 0.000000 |
| Supa 132kV | 12/01/2020 16:15:00 | 66 | 8750.0 | 1260.0 | 0.0 | -1260.0 | 14.4 | 0.00 | -5.786 | 0.000000 |
| Supa 132kV | 12/01/2020 16:30:00 | 67 | 8750.0 | 1277.5 | 0.0 | -1277.5 | 14.6 | 0.00 | -4.350 | 0.000000 |
| Supa 132kV | 12/01/2020 16:45:00 | 68 | 8750.0 | 1257.5 | 0.0 | -1257.5 | 14.37 | 0.00 | -1.614 | 0.000000 |
| Supa 132kV | 12/01/2020 17:00:00 | 69 | 8750.0 | 1132.5 | 0.0 | -1132.5 | 12.94 | 0.00 | 0.000 | 0.000000 |
| Supa 132kV | 12/01/2020 17:15:00 | 70 | 8750.0 | 1262.5 | 0.0 | -1262.5 | 14.43 | 0.00 | 2.690 | 327.307872 |
| Supa 132kV | 12/01/2020 17:30:00 | 71 | 8750.0 | 1272.5 | 0.0 | -1272.5 | 14.54 | 0.00 | -3.022 | 0.000000 |
| Supa 132kV | 12/01/2020 17:45:00 | 72 | 8750.0 | 1260.0 | 0.0 | -1260.0 | 14.4 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Supa 132kV | 12/01/2020 18:00:00 | 73 | 8750.0 | 1277.5 | 2.34 | -1275.16 | 14.57 | 0.00 | -0.538 | 0.000000 |
| Supa 132kV | 12/01/2020 18:15:00 | 74 | 8750.0 | 1062.5 | 26.56 | -1035.94 | 11.84 | 0.00 | -4.350 | 0.000000 |
| Supa 132kV | 12/01/2020 18:30:00 | 75 | 8750.0 | 1162.5 | 31.25 | -1131.25 | 12.93 | 0.00 | 2.690 | 194.535577 |
| Supa 132kV | 12/01/2020 18:45:00 | 76 | 8750.0 | 1240.0 | 8.59 | -1231.41 | 14.07 | 0.00 | 3.022 | 1364.237578 |
| Supa 132kV | 12/01/2020 19:00:00 | 77 | 8750.0 | 1237.5 | 0.0 | -1237.5 | 14.14 | 0.00 | 3.686 | 440.373061 |
| Supa 132kV | 12/01/2020 19:15:00 | 78 | 8750.0 | 1162.5 | 0.0 | -1162.5 | 13.29 | 0.00 | 2.690 | 24.555552 |
| Supa 132kV | 12/01/2020 19:30:00 | 79 | 8750.0 | 1135.0 | 0.0 | -1135.0 | 12.97 | 0.00 | -3.022 | 0.000000 |
| Supa 132kV | 12/01/2020 19:45:00 | 80 | 8750.0 | 1145.0 | 0.0 | -1145.0 | 13.09 | 0.00 | -1.781 | 0.000000 |
| Supa 132kV | 12/01/2020 20:00:00 | 81 | 8750.0 | 1262.5 | 0.0 | -1262.5 | 14.43 | 0.00 | -3.021 | 0.000000 |
| Supa 132kV | 12/01/2020 20:15:00 | 82 | 8750.0 | 1272.5 | 0.0 | -1272.5 | 14.54 | 0.00 | -4.018 | 0.000000 |
| Supa 132kV | 12/01/2020 20:30:00 | 83 | 8750.0 | 1260.0 | 0.0 | -1260.0 | 14.4 | 0.00 | -3.354 | 0.000000 |
| Supa 132kV | 12/01/2020 20:45:00 | 84 | 8750.0 | 1277.5 | 0.0 | -1277.5 | 14.6 | 0.00 | -1.614 | 0.000000 |
| Supa 132kV | 12/01/2020 21:00:00 | 85 | 8750.0 | 1062.5 | 0.0 | -1062.5 | 12.14 | 0.00 | -4.350 | 0.000000 |
| Supa 132kV | 12/01/2020 21:15:00 | 86 | 8750.0 | 1162.5 | 0.0 | -1162.5 | 13.29 | 0.00 | -3.686 | 0.000000 |
| Supa 132kV | 12/01/2020 21:30:00 | 87 | 8750.0 | 1240.0 | 0.0 | -1240.0 | 14.17 | 0.00 | -1.614 | 0.000000 |
| Supa 132kV | 12/01/2020 21:45:00 | 88 | 8750.0 | 1237.5 | 0.0 | -1237.5 | 14.14 | 0.00 | 0.000 | 0.000000 |
| Supa 132kV | 12/01/2020 22:00:00 | 89 | 8750.0 | 1162.5 | 0.0 | -1162.5 | 13.29 | 0.00 | -3.354 | 0.000000 |
| Supa 132kV | 12/01/2020 22:15:00 | 90 | 8750.0 | 1135.0 | 0.0 | -1135.0 | 12.97 | 0.00 | 4.350 | 1385.779129 |
| Supa 132kV | 12/01/2020 22:30:00 | 91 | 8750.0 | 1145.0 | 0.0 | -1145.0 | 13.09 | 0.00 | 5.215 | 2636.519093 |
| Supa 132kV | 12/01/2020 22:45:00 | 92 | 8750.0 | 1217.5 | 18.75 | -1198.75 | 13.7 | 0.00 | 3.022 | 270.209849 |
| Supa 132kV | 12/01/2020 23:00:00 | 93 | 8750.0 | 1222.5 | 60.16 | -1162.34 | 13.28 | 0.00 | 3.022 | 573.873495 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Supa 132kV | 12/01/2020 23:15:00 | 94 | 8750.0 | 1235.0 | 77.34 | -1157.66 | 13.23 | 0.00 | 2.152 | 569.114501 |
| Supa 132kV | 12/01/2020 23:30:00 | 95 | 8750.0 | 1062.5 | 135.94 | -926.56 | 10.59 | 0.00 | 2.152 | 262.122928 |
| Supa 132kV | 12/01/2020 23:45:00 | 96 | 8750.0 | 1162.5 | 97.66 | -1064.84 | 12.17 | 0.00 | 2.152 | 346.124787 |
| Vankusvade 220kV | 06/01/2020 00:00:00 | 1 | 50810.0 | 6157.5 | 11821.88 | 5664.38 | 11.15 | 0.00 | 2.903 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 00:15:00 | 2 | 50810.0 | 6202.5 | 11996.88 | 5794.38 | 11.4 | 0.00 | 0.000 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 00:30:00 | 3 | 50810.0 | 6292.5 | 11668.75 | 5376.25 | 10.58 | 0.00 | 0.000 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 00:45:00 | 4 | 50810.0 | 6285.0 | 10821.88 | 4536.88 | 8.93 | 0.00 | -0.984 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 01:00:00 | 5 | 50810.0 | 6367.5 | 11537.5 | 5170.0 | 10.18 | 0.00 | -3.541 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 01:15:00 | 6 | 50810.0 | 6170.0 | 11653.12 | 5483.12 | 10.79 | 0.00 | 3.222 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 01:30:00 | 7 | 50810.0 | 5867.5 | 11578.12 | 5710.62 | 11.24 | 0.00 | 3.541 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 01:45:00 | 8 | 50810.0 | 5760.0 | 11634.38 | 5874.38 | 11.56 | 0.00 | 2.352 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 02:00:00 | 9 | 50810.0 | 5775.0 | 11487.5 | 5712.5 | 11.24 | 0.00 | 1.747 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 02:15:00 | 10 | 50810.0 | 5785.0 | 11681.25 | 5896.25 | 11.6 | 0.00 | 0.581 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 02:30:00 | 11 | 50810.0 | 5947.5 | 11884.38 | 5936.88 | 11.68 | 0.00 | -2.323 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 02:45:00 | 12 | 50810.0 | 5817.5 | 11984.38 | 6166.88 | 12.14 | 0.00 | 2.323 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 03:00:00 | 13 | 50810.0 | 5805.0 | 11578.12 | 5773.12 | 11.36 | 0.00 | 2.323 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 03:15:00 | 14 | 50810.0 | 5907.5 | 11350.0 | 5442.5 | 10.71 | 0.00 | -1.742 | -163.902753 |
| Vankusvade 220kV | 06/01/2020 03:30:00 | 15 | 50810.0 | 5900.0 | 10556.25 | 4656.25 | 9.16 | 0.00 | 3.222 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 03:45:00 | 16 | 50810.0 | 5770.0 | 11343.75 | 5573.75 | 10.97 | 0.00 | 3.541 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 04:00:00 | 17 | 50810.0 | 5935.0 | 11503.12 | 5568.12 | 10.96 | 0.00 | 4.496 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 04:15:00 | 18 | 50810.0 | 5907.5 | 11487.5 | 5580.0 | 10.98 | 0.00 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vankusvade 220kV | 06/01/2020 04:30:00 | 19 | 50810.0 | 5947.5 | 11715.62 | 5768.12 | 11.35 | 0.00 | 3.859 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 04:45:00 | 20 | 50810.0 | 5922.5 | 12456.25 | 6533.75 | 12.86 | 0.00 | 4.815 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 05:00:00 | 21 | 50810.0 | 5765.0 | 12640.62 | 6875.62 | 13.53 | 0.00 | 3.859 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 05:15:00 | 22 | 50810.0 | 5762.5 | 12325.0 | 6562.5 | 12.92 | 0.00 | 6.407 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 05:30:00 | 23 | 50810.0 | 5855.0 | 11800.0 | 5945.0 | 11.7 | 0.00 | 6.496 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 05:45:00 | 24 | 50810.0 | 5935.0 | 11709.38 | 5774.38 | 11.36 | 0.00 | 7.492 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 06:00:00 | 25 | 50810.0 | 5905.0 | 10681.25 | 4776.25 | 9.4 | 0.00 | -5.452 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 06:15:00 | 26 | 50810.0 | 5855.0 | 9953.12 | 4098.12 | 8.07 | 0.00 | -6.089 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 06:30:00 | 27 | 50810.0 | 5867.5 | 9843.75 | 3976.25 | 7.83 | 0.00 | -7.044 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 06:45:00 | 28 | 50810.0 | 5760.0 | 10000.0 | 4240.0 | 8.34 | 0.00 | 7.682 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 07:00:00 | 29 | 50810.0 | 5775.0 | 10112.5 | 4337.5 | 8.54 | 0.00 | -3.859 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 07:15:00 | 30 | 50810.0 | 5785.0 | 9425.0 | 3640.0 | 7.16 | 0.00 | 4.815 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 07:30:00 | 31 | 50810.0 | 5947.5 | 9056.25 | 3108.75 | 6.12 | 0.00 | 4.178 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 07:45:00 | 32 | 50810.0 | 5817.5 | 8615.62 | 2798.12 | 5.51 | 0.00 | -3.540 | -1237.821565 |
| Vankusvade 220kV | 06/01/2020 08:00:00 | 33 | 50810.0 | 5805.0 | 7753.12 | 1948.12 | 3.83 | 0.00 | -3.859 | -512.989079 |
| Vankusvade 220kV | 06/01/2020 08:15:00 | 34 | 50810.0 | 5907.5 | 7250.0 | 1342.5 | 2.64 | 0.00 | -5.452 | -115.348285 |
| Vankusvade 220kV | 06/01/2020 08:30:00 | 35 | 50810.0 | 5900.0 | 6790.62 | 890.62 | 1.75 | 0.00 | 4.178 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 08:45:00 | 36 | 50810.0 | 5770.0 | 6690.62 | 920.62 | 1.81 | 0.00 | -3.859 | -93.281005 |
| Vankusvade 220kV | 06/01/2020 09:00:00 | 37 | 50810.0 | 5935.0 | 6646.88 | 711.88 | 1.4 | 0.00 | -6.407 | -223.065496 |
| Vankusvade 220kV | 06/01/2020 09:15:00 | 38 | 50810.0 | 5907.5 | 6959.38 | 1051.88 | 2.07 | 0.00 | -8.000 | -167.243258 |
| Vankusvade 220kV | 06/01/2020 09:30:00 | 39 | 50810.0 | 5947.5 | 7662.5 | 1715.0 | 3.38 | 0.00 | -5.770 | -118.046073 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vankusvade 220kV | 06/01/2020 09:45:00 | 40 | 50810.0 | 5922.5 | 7859.38 | 1936.88 | 3.81 | 0.00 | 3.222 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 10:00:00 | 41 | 50810.0 | 5765.0 | 7915.62 | 2150.62 | 4.23 | 0.00 | -2.903 | -293.446427 |
| Vankusvade 220kV | 06/01/2020 10:15:00 | 42 | 50810.0 | 5762.5 | 7406.25 | 1643.75 | 3.24 | 0.00 | -3.222 | -46.225052 |
| Vankusvade 220kV | 06/01/2020 10:30:00 | 43 | 50810.0 | 5855.0 | 6921.88 | 1066.88 | 2.1 | 0.00 | 4.815 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 10:45:00 | 44 | 50810.0 | 5935.0 | 6806.25 | 871.25 | 1.71 | 0.00 | 4.496 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 11:00:00 | 45 | 50810.0 | 5905.0 | 6834.38 | 929.38 | 1.83 | 0.00 | 16.000 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 11:15:00 | 46 | 50810.0 | 5855.0 | 6375.0 | 520.0 | 1.02 | 0.00 | 5.133 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 11:30:00 | 47 | 50810.0 | 5867.5 | 5512.5 | -355.0 | 0.7 | 0.00 | 1.182 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 11:45:00 | 48 | 50810.0 | 5760.0 | 5418.75 | -341.25 | 0.67 | 0.00 | 6.308 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 12:00:00 | 49 | 50810.0 | 5775.0 | 6046.88 | 271.88 | 0.54 | 0.00 | 6.598 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 12:15:00 | 50 | 50810.0 | 5785.0 | 6693.75 | 908.75 | 1.79 | 0.00 | 5.431 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 12:30:00 | 51 | 50810.0 | 5947.5 | 7109.38 | 1161.88 | 2.29 | 0.00 | 3.540 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 12:45:00 | 52 | 50810.0 | 5817.5 | 6765.62 | 948.12 | 1.87 | 0.00 | -2.903 | -15.214635 |
| Vankusvade 220kV | 06/01/2020 13:00:00 | 53 | 50810.0 | 5805.0 | 5818.75 | 13.75 | 0.03 | 0.00 | -1.161 | -0.454972 |
| Vankusvade 220kV | 06/01/2020 13:15:00 | 54 | 50810.0 | 5907.5 | 4600.0 | -1307.5 | 2.57 | 0.00 | 3.859 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 13:30:00 | 55 | 50810.0 | 5900.0 | 3793.75 | -2106.25 | 4.15 | 0.00 | -6.407 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 13:45:00 | 56 | 50810.0 | 5770.0 | 4287.5 | -1482.5 | 2.92 | 0.00 | 5.452 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 14:00:00 | 57 | 50810.0 | 5935.0 | 4831.25 | -1103.75 | 2.17 | 0.00 | 5.452 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 14:15:00 | 58 | 50810.0 | 5907.5 | 4334.38 | -1573.12 | 3.1 | 0.00 | 16.000 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 14:30:00 | 59 | 50810.0 | 5947.5 | 5031.25 | -916.25 | 1.8 | 0.00 | 6.035 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 14:45:00 | 60 | 50810.0 | 5922.5 | 5771.88 | -150.62 | 0.3 | 0.00 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vankusvade 220kV | 06/01/2020 15:00:00 | 61 | 50810.0 | 5765.0 | 5009.38 | -755.62 | 1.49 | 0.00 | 3.367 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 15:15:00 | 62 | 50810.0 | 5762.5 | 4040.62 | -1721.88 | 3.39 | 0.00 | 3.904 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 15:30:00 | 63 | 50810.0 | 5855.0 | 3062.5 | -2792.5 | 5.5 | 0.00 | 4.482 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 15:45:00 | 64 | 50810.0 | 5935.0 | 1293.75 | -4641.25 | 9.13 | 0.00 | 4.225 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 16:00:00 | 65 | 50810.0 | 5905.0 | 609.38 | -5295.62 | 10.42 | 0.00 | 2.895 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 16:15:00 | 66 | 50810.0 | 5855.0 | 893.75 | -4961.25 | 9.76 | 0.00 | 6.089 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 16:30:00 | 67 | 50810.0 | 5940.0 | 1062.5 | -4877.5 | 9.6 | 0.00 | -8.000 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 16:45:00 | 68 | 50810.0 | 5740.0 | 940.62 | -4799.38 | 9.45 | 0.00 | -4.178 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 17:00:00 | 69 | 50810.0 | 5715.0 | 781.25 | -4933.75 | 9.71 | 0.00 | 1.742 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 17:15:00 | 70 | 50810.0 | 5940.0 | 906.25 | -5033.75 | 9.91 | 0.00 | 2.903 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 17:30:00 | 71 | 50810.0 | 5820.0 | 931.25 | -4888.75 | 9.62 | 0.00 | -4.178 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 17:45:00 | 72 | 50810.0 | 5917.5 | 634.38 | -5283.12 | 10.4 | 0.00 | -2.323 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 18:00:00 | 73 | 50810.0 | 5880.0 | 290.62 | -5589.38 | 11.0 | 0.00 | -2.903 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 18:15:00 | 74 | 50810.0 | 5830.0 | 134.38 | -5695.62 | 11.21 | 0.00 | 1.161 | 1481.200044 |
| Vankusvade 220kV | 06/01/2020 18:30:00 | 75 | 50810.0 | 5927.5 | 46.88 | -5880.62 | 11.57 | 0.00 | 2.903 | 5008.721770 |
| Vankusvade 220kV | 06/01/2020 18:45:00 | 76 | 50810.0 | 5917.5 | 3.12 | -5914.38 | 11.64 | 0.00 | 2.903 | 119.252948 |
| Vankusvade 220kV | 06/01/2020 19:00:00 | 77 | 50810.0 | 5867.5 | 0.0 | -5867.5 | 11.55 | 0.00 | -1.161 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 19:15:00 | 78 | 50810.0 | 5760.0 | 0.0 | -5760.0 | 11.34 | 0.00 | -4.178 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 19:30:00 | 79 | 50810.0 | 5775.0 | 3.12 | -5771.88 | 11.36 | 0.00 | -2.323 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 19:45:00 | 80 | 50810.0 | 5785.0 | 3.12 | -5781.88 | 11.38 | 0.00 | -4.178 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 20:00:00 | 81 | 50810.0 | 5947.5 | 3.12 | -5944.38 | 11.7 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vankusvade 220kV | 06/01/2020 20:15:00 | 82 | 50810.0 | 5817.5 | 0.0 | -5817.5 | 11.45 | 0.00 | -5.770 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 20:30:00 | 83 | 50810.0 | 5805.0 | 3.12 | -5801.88 | 11.42 | 0.00 | 5.770 | 790.524582 |
| Vankusvade 220kV | 06/01/2020 20:45:00 | 84 | 50810.0 | 5907.5 | 3.12 | -5904.38 | 11.62 | 0.00 | 4.178 | 2441.776087 |
| Vankusvade 220kV | 06/01/2020 21:00:00 | 85 | 50810.0 | 5900.0 | 0.0 | -5900.0 | 11.61 | 0.00 | 3.222 | 1290.786914 |
| Vankusvade 220kV | 06/01/2020 21:15:00 | 86 | 50810.0 | 5770.0 | 3.12 | -5766.88 | 11.35 | 0.00 | -1.742 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 21:30:00 | 87 | 50810.0 | 5935.0 | 3.12 | -5931.88 | 11.67 | 0.00 | 0.000 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 21:45:00 | 88 | 50810.0 | 5907.5 | 0.0 | -5907.5 | 11.63 | 0.00 | 1.161 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 22:00:00 | 89 | 50810.0 | 5947.5 | 3.12 | -5944.38 | 11.7 | 0.00 | 4.815 | 3480.595467 |
| Vankusvade 220kV | 06/01/2020 22:15:00 | 90 | 50810.0 | 5922.5 | 3.12 | -5919.38 | 11.65 | 0.00 | 3.859 | 3575.903686 |
| Vankusvade 220kV | 06/01/2020 22:30:00 | 91 | 50810.0 | 5765.0 | 0.0 | -5765.0 | 11.35 | 0.00 | 1.742 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 22:45:00 | 92 | 50810.0 | 5762.5 | 3.12 | -5759.38 | 11.34 | 0.00 | -2.323 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 23:00:00 | 93 | 50810.0 | 5855.0 | 0.0 | -5855.0 | 11.52 | 0.00 | -2.903 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 23:15:00 | 94 | 50810.0 | 5935.0 | 3.12 | -5931.88 | 11.67 | 0.00 | 2.323 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 23:30:00 | 95 | 50810.0 | 5905.0 | 0.0 | -5905.0 | 11.62 | 0.00 | -3.222 | 0.000000 |
| Vankusvade 220kV | 06/01/2020 23:45:00 | 96 | 50810.0 | 5855.0 | 3.12 | -5851.88 | 11.52 | 0.00 | 2.323 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 00:00:00 | 1 | 50810.0 | 5880.0 | 3.12 | -5876.88 | 11.57 | 0.00 | -0.549 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 00:15:00 | 2 | 50810.0 | 5830.0 | 12.5 | -5817.5 | 11.45 | 0.00 | -1.647 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 00:30:00 | 3 | 50810.0 | 5927.5 | 78.12 | -5849.38 | 11.51 | 0.00 | -3.073 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 00:45:00 | 4 | 50810.0 | 5917.5 | 290.62 | -5626.88 | 11.07 | 0.00 | -2.744 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 01:00:00 | 5 | 50810.0 | 5867.5 | 712.5 | -5155.0 | 10.15 | 0.00 | -4.058 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 01:15:00 | 6 | 50810.0 | 5760.0 | 1000.0 | -4760.0 | 9.37 | 0.00 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vankusvade 220kV | 07/01/2020 01:30:00 | 7 | 50810.0 | 5775.0 | 1318.75 | -4456.25 | 8.77 | 0.00 | -3.401 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 01:45:00 | 8 | 50810.0 | 5785.0 | 1606.25 | -4178.75 | 8.22 | 0.00 | 3.730 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 02:00:00 | 9 | 50810.0 | 5947.5 | 2231.25 | -3716.25 | 7.31 | 0.00 | 3.073 | 809.055328 |
| Vankusvade 220kV | 07/01/2020 02:15:00 | 10 | 50810.0 | 5817.5 | 2606.25 | -3211.25 | 6.32 | 0.00 | 3.073 | 312.614160 |
| Vankusvade 220kV | 07/01/2020 02:30:00 | 11 | 50810.0 | 5805.0 | 2934.38 | -2870.62 | 5.65 | 0.00 | 3.401 | 390.869553 |
| Vankusvade 220kV | 07/01/2020 02:45:00 | 12 | 50810.0 | 5907.5 | 3281.25 | -2626.25 | 5.17 | 0.00 | 2.745 | 356.661387 |
| Vankusvade 220kV | 07/01/2020 03:00:00 | 13 | 50810.0 | 5900.0 | 2921.88 | -2978.12 | 5.86 | 0.00 | 1.647 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 03:15:00 | 14 | 50810.0 | 5770.0 | 2396.88 | -3373.12 | 6.64 | 0.00 | 2.196 | 216.394695 |
| Vankusvade 220kV | 07/01/2020 03:30:00 | 15 | 50810.0 | 5935.0 | 2484.38 | -3450.62 | 6.79 | 0.00 | 1.647 | 294.512739 |
| Vankusvade 220kV | 07/01/2020 03:45:00 | 16 | 50810.0 | 5907.5 | 2196.88 | -3710.62 | 7.3 | 0.00 | 1.098 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 04:00:00 | 17 | 50810.0 | 5947.5 | 2037.5 | -3910.0 | 7.7 | 0.00 | 1.647 | 1431.841669 |
| Vankusvade 220kV | 07/01/2020 04:15:00 | 18 | 50810.0 | 5922.5 | 2268.75 | -3653.75 | 7.19 | 0.00 | 2.210 | 2615.931979 |
| Vankusvade 220kV | 07/01/2020 04:30:00 | 19 | 50810.0 | 5765.0 | 2750.0 | -3015.0 | 5.93 | 0.00 | 3.730 | 3048.140236 |
| Vankusvade 220kV | 07/01/2020 04:45:00 | 20 | 50810.0 | 5762.5 | 3190.62 | -2571.88 | 5.06 | 0.00 | -1.098 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 05:00:00 | 21 | 50810.0 | 5855.0 | 3581.25 | -2273.75 | 4.48 | 0.00 | -2.744 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 05:15:00 | 22 | 50810.0 | 5935.0 | 3968.75 | -1966.25 | 3.87 | 0.00 | 3.730 | 1010.098932 |
| Vankusvade 220kV | 07/01/2020 05:30:00 | 23 | 50810.0 | 5905.0 | 3990.62 | -1914.38 | 3.77 | 0.00 | 3.073 | 2209.386393 |
| Vankusvade 220kV | 07/01/2020 05:45:00 | 24 | 50810.0 | 5855.0 | 3850.0 | -2005.0 | 3.95 | 0.00 | 3.730 | 1797.602908 |
| Vankusvade 220kV | 07/01/2020 06:00:00 | 25 | 50810.0 | 5905.0 | 3934.38 | -1970.62 | 3.88 | 0.00 | -5.372 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 06:15:00 | 26 | 50810.0 | 5855.0 | 4125.0 | -1730.0 | 3.4 | 0.00 | 4.556 | 5764.529195 |
| Vankusvade 220kV | 07/01/2020 06:30:00 | 27 | 50810.0 | 5867.5 | 5365.62 | -501.88 | 0.99 | 0.00 | 7.148 | 2895.440683 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vankusvade 220kV | 07/01/2020 06:45:00 | 28 | 50810.0 | 5760.0 | 5850.0 | 90.0 | 0.18 | 0.00 | 7.821 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 07:00:00 | 29 | 50810.0 | 5775.0 | 5500.0 | -275.0 | 0.54 | 0.00 | 5.372 | 730.798054 |
| Vankusvade 220kV | 07/01/2020 07:15:00 | 30 | 50810.0 | 5785.0 | 5800.0 | 15.0 | 0.03 | 0.00 | 16.000 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 07:30:00 | 31 | 50810.0 | 5947.5 | 5921.88 | -25.62 | 0.05 | 0.00 | 9.296 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 07:45:00 | 32 | 50810.0 | 5817.5 | 5734.38 | -83.12 | 0.16 | 0.00 | 9.794 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 08:00:00 | 33 | 50810.0 | 5805.0 | 5715.62 | -89.38 | 0.18 | 0.00 | 3.593 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 08:15:00 | 34 | 50810.0 | 5907.5 | 5303.12 | -604.38 | 1.19 | 0.00 | 3.401 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 08:30:00 | 35 | 50810.0 | 5900.0 | 4750.0 | -1150.0 | 2.26 | 0.00 | 3.245 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 08:45:00 | 36 | 50810.0 | 5770.0 | 4956.25 | -813.75 | 1.6 | 0.00 | 0.000 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 09:00:00 | 37 | 50810.0 | 5935.0 | 4681.25 | -1253.75 | 2.47 | 0.00 | 2.745 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 09:15:00 | 38 | 50810.0 | 5907.5 | 3887.5 | -2020.0 | 3.98 | 0.00 | 4.715 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 09:30:00 | 39 | 50810.0 | 5947.5 | 3128.12 | -2819.38 | 5.55 | 0.00 | 3.981 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 09:45:00 | 40 | 50810.0 | 5922.5 | 2637.5 | -3285.0 | 6.47 | 0.00 | 3.730 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 10:00:00 | 41 | 50810.0 | 5765.0 | 2206.25 | -3558.75 | 7.0 | 0.00 | 1.780 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 10:15:00 | 42 | 50810.0 | 5762.5 | 2343.75 | -3418.75 | 6.73 | 0.00 | 5.643 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 10:30:00 | 43 | 50810.0 | 5855.0 | 2446.88 | -3408.12 | 6.71 | 0.00 | 4.976 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 10:45:00 | 44 | 50810.0 | 5935.0 | 2193.75 | -3741.25 | 7.36 | 0.00 | 4.415 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 11:00:00 | 45 | 50810.0 | 5905.0 | 1918.75 | -3986.25 | 7.85 | 0.00 | 4.476 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 11:15:00 | 46 | 50810.0 | 5855.0 | 1493.75 | -4361.25 | 8.58 | 0.00 | 4.826 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 11:30:00 | 47 | 50810.0 | 5867.5 | 953.12 | -4914.38 | 9.67 | 0.00 | 2.289 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 11:45:00 | 48 | 50810.0 | 5760.0 | 800.0 | -4960.0 | 9.76 | 0.00 | -0.549 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vankusvade 220kV | 07/01/2020 12:00:00 | 49 | 50810.0 | 5775.0 | 568.75 | -5206.25 | 10.25 | 0.00 | 4.727 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 12:15:00 | 50 | 50810.0 | 5785.0 | 415.62 | -5369.38 | 10.57 | 0.00 | 4.777 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 12:30:00 | 51 | 50810.0 | 5947.5 | 581.25 | -5366.25 | 10.56 | 0.00 | 4.798 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 12:45:00 | 52 | 50810.0 | 5817.5 | 906.25 | -4911.25 | 9.67 | 0.00 | -3.401 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 13:00:00 | 53 | 50810.0 | 5805.0 | 1031.25 | -4773.75 | 9.4 | 0.00 | -2.431 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 13:15:00 | 54 | 50810.0 | 5907.5 | 559.38 | -5348.12 | 10.53 | 0.00 | -4.387 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 13:30:00 | 55 | 50810.0 | 5900.0 | 334.38 | -5565.62 | 10.95 | 0.00 | -3.401 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 13:45:00 | 56 | 50810.0 | 5770.0 | 575.0 | -5195.0 | 10.22 | 0.00 | -5.044 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 14:00:00 | 57 | 50810.0 | 5935.0 | 359.38 | -5575.62 | 10.97 | 0.00 | 4.215 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 14:15:00 | 58 | 50810.0 | 5907.5 | 446.88 | -5460.62 | 10.75 | 0.00 | 9.552 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 14:30:00 | 59 | 50810.0 | 5947.5 | 287.5 | -5660.0 | 11.14 | 0.00 | 6.358 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 14:45:00 | 60 | 50810.0 | 5922.5 | 78.12 | -5844.38 | 11.5 | 0.00 | 2.744 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 15:00:00 | 61 | 50810.0 | 5765.0 | 212.5 | -5552.5 | 10.93 | 0.00 | -3.073 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 15:15:00 | 62 | 50810.0 | 5762.5 | 187.5 | -5575.0 | 10.97 | 0.00 | -4.058 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 15:30:00 | 63 | 50810.0 | 5855.0 | 256.25 | -5598.75 | 11.02 | 0.00 | -4.831 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 15:45:00 | 64 | 50810.0 | 5935.0 | 600.0 | -5335.0 | 10.5 | 0.00 | -5.372 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 16:00:00 | 65 | 50810.0 | 5905.0 | 678.12 | -5226.88 | 10.29 | 0.00 | 2.196 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 16:15:00 | 66 | 50810.0 | 5855.0 | 956.25 | -4898.75 | 9.64 | 0.00 | -3.401 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 16:30:00 | 67 | 50810.0 | 5940.0 | 1293.75 | -4646.25 | 9.14 | 0.00 | 4.738 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 16:45:00 | 68 | 50810.0 | 5740.0 | 1853.12 | -3886.88 | 7.65 | 0.00 | 7.343 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 17:00:00 | 69 | 50810.0 | 5715.0 | 2221.88 | -3493.12 | 6.87 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vankusvade 220kV | 07/01/2020 17:15:00 | 70 | 50810.0 | 5940.0 | 3165.62 | -2774.38 | 5.46 | 0.00 | 2.744 | 461.507376 |
| Vankusvade 220kV | 07/01/2020 17:30:00 | 71 | 50810.0 | 5820.0 | 3868.75 | -1951.25 | 3.84 | 0.00 | 3.401 | 128.839940 |
| Vankusvade 220kV | 07/01/2020 17:45:00 | 72 | 50810.0 | 5917.5 | 4050.0 | -1867.5 | 3.68 | 0.00 | -2.745 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 18:00:00 | 73 | 50810.0 | 5880.0 | 4543.75 | -1336.25 | 2.63 | 0.00 | -3.073 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 18:15:00 | 74 | 50810.0 | 5830.0 | 4803.12 | -1026.88 | 2.02 | 0.00 | -5.372 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 18:30:00 | 75 | 50810.0 | 5927.5 | 4412.5 | -1515.0 | 2.98 | 0.00 | 3.401 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 18:45:00 | 76 | 50810.0 | 5917.5 | 4784.38 | -1133.12 | 2.23 | 0.00 | -3.401 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 19:00:00 | 77 | 50810.0 | 5867.5 | 4512.5 | -1355.0 | 2.67 | 0.00 | -3.730 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 19:15:00 | 78 | 50810.0 | 5760.0 | 4387.5 | -1372.5 | 2.7 | 0.00 | -4.715 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 19:30:00 | 79 | 50810.0 | 5775.0 | 3256.25 | -2518.75 | 4.96 | 0.00 | -4.058 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 19:45:00 | 80 | 50810.0 | 5785.0 | 2850.0 | -2935.0 | 5.78 | 0.00 | -2.210 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 20:00:00 | 81 | 50810.0 | 5947.5 | 2568.75 | -3378.75 | 6.65 | 0.00 | -2.348 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 20:15:00 | 82 | 50810.0 | 5817.5 | 2225.0 | -3592.5 | 7.07 | 0.00 | 4.387 | 5606.642377 |
| Vankusvade 220kV | 07/01/2020 20:30:00 | 83 | 50810.0 | 5805.0 | 1675.0 | -4130.0 | 8.13 | 0.00 | 3.816 | 8428.045731 |
| Vankusvade 220kV | 07/01/2020 20:45:00 | 84 | 50810.0 | 5907.5 | 1728.12 | -4179.38 | 8.23 | 0.00 | 3.401 | 2053.479964 |
| Vankusvade 220kV | 07/01/2020 21:00:00 | 85 | 50810.0 | 5900.0 | 1865.62 | -4034.38 | 7.94 | 0.00 | -4.058 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 21:15:00 | 86 | 50810.0 | 5770.0 | 1787.5 | -3982.5 | 7.84 | 0.00 | 1.647 | 2110.864788 |
| Vankusvade 220kV | 07/01/2020 21:30:00 | 87 | 50810.0 | 5935.0 | 1334.38 | -4600.62 | 9.05 | 0.00 | 2.196 | 1467.064150 |
| Vankusvade 220kV | 07/01/2020 21:45:00 | 88 | 50810.0 | 5907.5 | 1000.0 | -4907.5 | 9.66 | 0.00 | -2.196 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 22:00:00 | 89 | 50810.0 | 5947.5 | 878.12 | -5069.38 | 9.98 | 0.00 | -3.257 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 22:15:00 | 90 | 50810.0 | 5922.5 | 1234.38 | -4688.12 | 9.23 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vankusvade 220kV | 07/01/2020 22:30:00 | 91 | 50810.0 | 5765.0 | 1396.88 | -4368.12 | 8.6 | 0.00 | -1.098 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 22:45:00 | 92 | 50810.0 | 5762.5 | 1193.75 | -4568.75 | 8.99 | 0.00 | -1.647 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 23:00:00 | 93 | 50810.0 | 5855.0 | 815.62 | -5039.38 | 9.92 | 0.00 | -3.401 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 23:15:00 | 94 | 50810.0 | 5935.0 | 478.12 | -5456.88 | 10.74 | 0.00 | 1.647 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 23:30:00 | 95 | 50810.0 | 5905.0 | 359.38 | -5545.62 | 10.91 | 0.00 | -2.196 | 0.000000 |
| Vankusvade 220kV | 07/01/2020 23:45:00 | 96 | 50810.0 | 5855.0 | 675.0 | -5180.0 | 10.19 | 0.00 | -0.549 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 00:00:00 | 1 | 50810.0 | 5880.0 | 1221.88 | -4658.12 | 9.17 | 0.00 | -2.220 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 00:15:00 | 2 | 50810.0 | 5830.0 | 1690.62 | -4139.38 | 8.15 | 0.00 | -3.101 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 00:30:00 | 3 | 50810.0 | 5927.5 | 1859.38 | -4068.12 | 8.01 | 0.00 | -3.101 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 00:45:00 | 4 | 50810.0 | 5917.5 | 1725.0 | -4192.5 | 8.25 | 0.00 | -2.424 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 01:00:00 | 5 | 50810.0 | 5867.5 | 1646.88 | -4220.62 | 8.31 | 0.00 | -2.170 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 01:15:00 | 6 | 50810.0 | 5760.0 | 1137.5 | -4622.5 | 9.1 | 0.00 | -1.761 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 01:30:00 | 7 | 50810.0 | 5775.0 | 587.5 | -5187.5 | 10.21 | 0.00 | -1.665 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 01:45:00 | 8 | 50810.0 | 5785.0 | 493.75 | -5291.25 | 10.41 | 0.00 | -1.665 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 02:00:00 | 9 | 50810.0 | 5947.5 | 756.25 | -5191.25 | 10.22 | 0.00 | -1.110 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 02:15:00 | 10 | 50810.0 | 5817.5 | 978.12 | -4839.38 | 9.52 | 0.00 | -1.347 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 02:30:00 | 11 | 50810.0 | 5805.0 | 812.5 | -4992.5 | 9.83 | 0.00 | -3.101 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 02:45:00 | 12 | 50810.0 | 5907.5 | 703.12 | -5204.38 | 10.24 | 0.00 | -2.220 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 03:00:00 | 13 | 50810.0 | 5900.0 | 853.12 | -5046.88 | 9.93 | 0.00 | -3.428 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 03:15:00 | 14 | 50810.0 | 5770.0 | 1115.62 | -4654.38 | 9.16 | 0.00 | -2.220 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 03:30:00 | 15 | 50810.0 | 5935.0 | 1200.0 | -4735.0 | 9.32 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vankusvade 220kV | 08/01/2020 03:45:00 | 16 | 50810.0 | 5907.5 | 1131.25 | -4776.25 | 9.4 | 0.00 | -2.775 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 04:00:00 | 17 | 50810.0 | 5947.5 | 1056.25 | -4891.25 | 9.63 | 0.00 | -3.101 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 04:15:00 | 18 | 50810.0 | 5922.5 | 796.88 | -5125.62 | 10.09 | 0.00 | -1.665 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 04:30:00 | 19 | 50810.0 | 5765.0 | 1053.12 | -4711.88 | 9.27 | 0.00 | -2.220 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 04:45:00 | 20 | 50810.0 | 5762.5 | 1353.12 | -4409.38 | 8.68 | 0.00 | -2.775 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 05:00:00 | 21 | 50810.0 | 5855.0 | 1487.5 | -4367.5 | 8.6 | 0.00 | -1.110 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 05:15:00 | 22 | 50810.0 | 5935.0 | 1471.88 | -4463.12 | 8.78 | 0.00 | 2.775 | 215.069080 |
| Vankusvade 220kV | 08/01/2020 05:30:00 | 23 | 50810.0 | 5905.0 | 1159.38 | -4745.62 | 9.34 | 0.00 | -3.428 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 05:45:00 | 24 | 50810.0 | 5855.0 | 993.75 | -4861.25 | 9.57 | 0.00 | -2.775 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 06:00:00 | 25 | 50810.0 | 5905.0 | 859.38 | -5045.62 | 9.93 | 0.00 | -2.220 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 06:15:00 | 26 | 50810.0 | 5855.0 | 987.5 | -4867.5 | 9.58 | 0.00 | 2.220 | 996.595941 |
| Vankusvade 220kV | 08/01/2020 06:30:00 | 27 | 50810.0 | 5867.5 | 1121.88 | -4745.62 | 9.34 | 0.00 | 5.387 | 8541.937249 |
| Vankusvade 220kV | 08/01/2020 06:45:00 | 28 | 50810.0 | 5760.0 | 1546.88 | -4213.12 | 8.29 | 0.00 | -4.734 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 07:00:00 | 29 | 50810.0 | 5775.0 | 2040.62 | -3734.38 | 7.35 | 0.00 | -4.407 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 07:15:00 | 30 | 50810.0 | 5785.0 | 2103.12 | -3681.88 | 7.25 | 0.00 | 5.061 | 6489.621153 |
| Vankusvade 220kV | 08/01/2020 07:30:00 | 31 | 50810.0 | 5947.5 | 1925.0 | -4022.5 | 7.92 | 0.00 | 5.714 | 6783.947126 |
| Vankusvade 220kV | 08/01/2020 07:45:00 | 32 | 50810.0 | 5817.5 | 2309.38 | -3508.12 | 6.9 | 0.00 | 5.061 | 2326.004194 |
| Vankusvade 220kV | 08/01/2020 08:00:00 | 33 | 50810.0 | 5805.0 | 2371.88 | -3433.12 | 6.76 | 0.00 | 2.775 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 08:15:00 | 34 | 50810.0 | 5907.5 | 2453.12 | -3454.38 | 6.8 | 0.00 | 2.775 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 08:30:00 | 35 | 50810.0 | 5900.0 | 2400.0 | -3500.0 | 6.89 | 0.00 | 5.387 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 08:45:00 | 36 | 50810.0 | 5770.0 | 2362.5 | -3407.5 | 6.71 | 0.00 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vankusvade 220kV | 08/01/2020 09:00:00 | 37 | 50810.0 | 5935.0 | 2550.0 | -3385.0 | 6.66 | 0.00 | 7.673 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 09:15:00 | 38 | 50810.0 | 5907.5 | 2471.88 | -3435.62 | 6.76 | 0.00 | 7.673 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 09:30:00 | 39 | 50810.0 | 5947.5 | 2159.38 | -3788.12 | 7.46 | 0.00 | 3.101 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 09:45:00 | 40 | 50810.0 | 5922.5 | 2150.0 | -3772.5 | 7.42 | 0.00 | -3.101 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 10:00:00 | 41 | 50810.0 | 5765.0 | 2887.5 | -2877.5 | 5.66 | 0.00 | -3.101 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 10:15:00 | 42 | 50810.0 | 5762.5 | 3662.5 | -2100.0 | 4.13 | 0.00 | -3.101 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 10:30:00 | 43 | 50810.0 | 5855.0 | 3918.75 | -1936.25 | 3.81 | 0.00 | -1.665 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 10:45:00 | 44 | 50810.0 | 5935.0 | 3946.88 | -1988.12 | 3.91 | 0.00 | 0.000 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 11:00:00 | 45 | 50810.0 | 5905.0 | 4609.38 | -1295.62 | 2.55 | 0.00 | -1.486 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 11:15:00 | 46 | 50810.0 | 5855.0 | 4687.5 | -1167.5 | 2.3 | 0.00 | -1.305 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 11:30:00 | 47 | 50810.0 | 5867.5 | 3528.12 | -2339.38 | 4.6 | 0.00 | -2.425 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 11:45:00 | 48 | 50810.0 | 5760.0 | 2975.0 | -2785.0 | 5.48 | 0.00 | -2.775 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 12:00:00 | 49 | 50810.0 | 5775.0 | 3671.88 | -2103.12 | 4.14 | 0.00 | -2.083 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 12:15:00 | 50 | 50810.0 | 5785.0 | 4200.0 | -1585.0 | 3.12 | 0.00 | -3.242 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 12:30:00 | 51 | 50810.0 | 5947.5 | 5503.12 | -444.38 | 0.87 | 0.00 | -1.330 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 12:45:00 | 52 | 50810.0 | 5817.5 | 5846.88 | 29.38 | 0.06 | 0.00 | -0.830 | -5.587381 |
| Vankusvade 220kV | 08/01/2020 13:00:00 | 53 | 50810.0 | 5805.0 | 5228.12 | -576.88 | 1.14 | 0.00 | 2.775 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 13:15:00 | 54 | 50810.0 | 5907.5 | 4609.38 | -1298.12 | 2.55 | 0.00 | 0.000 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 13:30:00 | 55 | 50810.0 | 5900.0 | 4162.5 | -1737.5 | 3.42 | 0.00 | -1.012 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 13:45:00 | 56 | 50810.0 | 5770.0 | 3903.12 | -1866.88 | 3.67 | 0.00 | -1.087 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 14:00:00 | 57 | 50810.0 | 5935.0 | 3943.75 | -1991.25 | 3.92 | 0.00 | -3.101 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vankusvade 220kV | 08/01/2020 14:15:00 | 58 | 50810.0 | 5907.5 | 4493.75 | -1413.75 | 2.78 | 0.00 | -4.081 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 14:30:00 | 59 | 50810.0 | 5947.5 | 4346.88 | -1600.62 | 3.15 | 0.00 | -2.996 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 14:45:00 | 60 | 50810.0 | 5922.5 | 4146.88 | -1775.62 | 3.49 | 0.00 | -3.101 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 15:00:00 | 61 | 50810.0 | 5765.0 | 3881.25 | -1883.75 | 3.71 | 0.00 | -1.879 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 15:15:00 | 62 | 50810.0 | 5762.5 | 3093.75 | -2668.75 | 5.25 | 0.00 | -4.081 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 15:30:00 | 63 | 50810.0 | 5855.0 | 3415.62 | -2439.38 | 4.8 | 0.00 | 4.938 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 15:45:00 | 64 | 50810.0 | 5935.0 | 2959.38 | -2975.62 | 5.86 | 0.00 | 4.719 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 16:00:00 | 65 | 50810.0 | 5905.0 | 2946.88 | -2958.12 | 5.82 | 0.00 | 0.555 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 16:15:00 | 66 | 50810.0 | 5855.0 | 2571.88 | -3283.12 | 6.46 | 0.00 | -4.081 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 16:30:00 | 67 | 50810.0 | 5940.0 | 2581.25 | -3358.75 | 6.61 | 0.00 | -3.754 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 16:45:00 | 68 | 50810.0 | 5740.0 | 2337.5 | -3402.5 | 6.7 | 0.00 | -8.000 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 17:00:00 | 69 | 50810.0 | 5715.0 | 2831.25 | -2883.75 | 5.68 | 0.00 | 0.000 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 17:15:00 | 70 | 50810.0 | 5940.0 | 2400.0 | -3540.0 | 6.97 | 0.00 | 4.081 | 679.061861 |
| Vankusvade 220kV | 08/01/2020 17:30:00 | 71 | 50810.0 | 5820.0 | 2271.88 | -3548.12 | 6.98 | 0.00 | -5.387 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 17:45:00 | 72 | 50810.0 | 5917.5 | 2053.12 | -3864.38 | 7.61 | 0.00 | -3.101 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 18:00:00 | 73 | 50810.0 | 5880.0 | 1875.0 | -4005.0 | 7.88 | 0.00 | -2.775 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 18:15:00 | 74 | 50810.0 | 6580.0 | 2115.62 | -4464.38 | 8.79 | 0.00 | -3.101 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 18:30:00 | 75 | 50810.0 | 6677.5 | 2203.12 | -4474.38 | 8.81 | 0.00 | -2.220 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 18:45:00 | 76 | 50810.0 | 6667.5 | 1743.75 | -4923.75 | 9.69 | 0.00 | 2.220 | 3881.266710 |
| Vankusvade 220kV | 08/01/2020 19:00:00 | 77 | 50810.0 | 6617.5 | 1115.62 | -5501.88 | 10.83 | 0.00 | 1.110 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 19:15:00 | 78 | 50810.0 | 6510.0 | 1021.88 | -5488.12 | 10.8 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vankusvade 220kV | 08/01/2020 19:30:00 | 79 | 50810.0 | 6525.0 | 1000.0 | -5525.0 | 10.87 | 0.00 | -2.220 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 19:45:00 | 80 | 50810.0 | 6535.0 | 943.75 | -5591.25 | 11.0 | 0.00 | -0.555 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 20:00:00 | 81 | 50810.0 | 6697.5 | 790.62 | -5906.88 | 11.63 | 0.00 | 2.775 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 20:15:00 | 82 | 50810.0 | 6567.5 | 725.0 | -5842.5 | 11.5 | 0.00 | 3.101 | 9769.135901 |
| Vankusvade 220kV | 08/01/2020 20:30:00 | 83 | 50810.0 | 6555.0 | 596.88 | -5958.12 | 11.73 | 0.00 | 4.408 | 13496.386031 |
| Vankusvade 220kV | 08/01/2020 20:45:00 | 84 | 50810.0 | 6657.5 | 584.38 | -6073.12 | 11.95 | 0.00 | 3.101 | 3974.249362 |
| Vankusvade 220kV | 08/01/2020 21:00:00 | 85 | 50810.0 | 6650.0 | 543.75 | -6106.25 | 12.02 | 0.00 | 3.101 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 21:15:00 | 86 | 50810.0 | 6520.0 | 543.75 | -5976.25 | 11.76 | 0.00 | -0.555 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 21:30:00 | 87 | 50810.0 | 6685.0 | 578.12 | -6106.88 | 12.02 | 0.00 | -1.110 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 21:45:00 | 88 | 50810.0 | 6657.5 | 415.62 | -6241.88 | 12.28 | 0.00 | -1.110 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 22:00:00 | 89 | 50810.0 | 6697.5 | 356.25 | -6341.25 | 12.48 | 0.00 | -2.489 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 22:15:00 | 90 | 50810.0 | 6672.5 | 190.62 | -6481.88 | 12.76 | 0.00 | -2.775 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 22:30:00 | 91 | 50810.0 | 6515.0 | 128.12 | -6386.88 | 12.57 | 0.00 | -2.223 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 22:45:00 | 92 | 50810.0 | 6512.5 | 28.12 | -6484.38 | 12.76 | 0.00 | 1.110 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 23:00:00 | 93 | 50810.0 | 6605.0 | 25.0 | -6580.0 | 12.95 | 0.00 | 1.110 | 702.487389 |
| Vankusvade 220kV | 08/01/2020 23:15:00 | 94 | 50810.0 | 6685.0 | 6.25 | -6678.75 | 13.14 | 0.00 | 1.110 | 0.000000 |
| Vankusvade 220kV | 08/01/2020 23:30:00 | 95 | 50810.0 | 6655.0 | 15.62 | -6639.38 | 13.07 | 0.00 | 2.775 | 60.355413 |
| Vankusvade 220kV | 08/01/2020 23:45:00 | 96 | 50810.0 | 6605.0 | 31.25 | -6573.75 | 12.94 | 0.00 | 0.000 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 00:00:00 | 1 | 50810.0 | 5880.0 | 46.88 | -5833.12 | 11.48 | 0.00 | -0.576 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 00:15:00 | 2 | 50810.0 | 5830.0 | 34.38 | -5795.62 | 11.41 | 0.00 | -1.727 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 00:30:00 | 3 | 50810.0 | 5927.5 | 43.75 | -5883.75 | 11.58 | 0.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vankusvade 220kV | 09/01/2020 00:45:00 | 4 | 50810.0 | 5917.5 | 53.12 | -5864.38 | 11.54 | 0.00 | -2.879 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 01:00:00 | 5 | 50810.0 | 5867.5 | 250.0 | -5617.5 | 11.06 | 0.00 | -3.519 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 01:15:00 | 6 | 50810.0 | 5760.0 | 487.5 | -5272.5 | 10.38 | 0.00 | -3.519 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 01:30:00 | 7 | 50810.0 | 5775.0 | 796.88 | -4978.12 | 9.8 | 0.00 | -3.199 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 01:45:00 | 8 | 50810.0 | 5785.0 | 1200.0 | -4585.0 | 9.02 | 0.00 | 3.519 | 1114.097810 |
| Vankusvade 220kV | 09/01/2020 02:00:00 | 9 | 50810.0 | 5947.5 | 1696.88 | -4250.62 | 8.37 | 0.00 | 3.519 | 4679.541275 |
| Vankusvade 220kV | 09/01/2020 02:15:00 | 10 | 50810.0 | 5817.5 | 1990.62 | -3826.88 | 7.53 | 0.00 | 2.879 | 1847.760419 |
| Vankusvade 220kV | 09/01/2020 02:30:00 | 11 | 50810.0 | 5805.0 | 2131.25 | -3673.75 | 7.23 | 0.00 | 3.199 | 2552.107067 |
| Vankusvade 220kV | 09/01/2020 02:45:00 | 12 | 50810.0 | 5907.5 | 1806.25 | -4101.25 | 8.07 | 0.00 | 1.152 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 03:00:00 | 13 | 50810.0 | 5900.0 | 1878.12 | -4021.88 | 7.92 | 0.00 | -2.879 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 03:15:00 | 14 | 50810.0 | 5770.0 | 1437.5 | -4332.5 | 8.53 | 0.00 | -3.839 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 03:30:00 | 15 | 50810.0 | 5935.0 | 1146.88 | -4788.12 | 9.42 | 0.00 | 3.199 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 03:45:00 | 16 | 50810.0 | 5907.5 | 1009.38 | -4898.12 | 9.64 | 0.00 | 0.000 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 04:00:00 | 17 | 50810.0 | 5947.5 | 956.25 | -4991.25 | 9.82 | 0.00 | 1.727 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 04:15:00 | 18 | 50810.0 | 5922.5 | 981.25 | -4941.25 | 9.72 | 0.00 | 1.727 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 04:30:00 | 19 | 50810.0 | 5765.0 | 1509.38 | -4255.62 | 8.38 | 0.00 | 1.727 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 04:45:00 | 20 | 50810.0 | 5762.5 | 1631.25 | -4131.25 | 8.13 | 0.00 | 2.879 | 3560.352732 |
| Vankusvade 220kV | 09/01/2020 05:00:00 | 21 | 50810.0 | 5855.0 | 1553.12 | -4301.88 | 8.47 | 0.00 | 3.839 | 2147.406982 |
| Vankusvade 220kV | 09/01/2020 05:15:00 | 22 | 50810.0 | 5935.0 | 915.62 | -5019.38 | 9.88 | 0.00 | 5.119 | 7084.868828 |
| Vankusvade 220kV | 09/01/2020 05:30:00 | 23 | 50810.0 | 5905.0 | 521.88 | -5383.12 | 10.59 | 0.00 | 4.064 | 13847.558780 |
| Vankusvade 220kV | 09/01/2020 05:45:00 | 24 | 50810.0 | 5855.0 | 262.5 | -5592.5 | 11.01 | 0.00 | 1.152 | 39.454203 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vankusvade 220kV | 09/01/2020 06:00:00 | 25 | 50810.0 | 5905.0 | 59.38 | -5845.62 | 11.5 | 0.00 | -2.303 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 06:15:00 | 26 | 50810.0 | 5855.0 | 12.5 | -5842.5 | 11.5 | 0.00 | 2.303 | 3886.133480 |
| Vankusvade 220kV | 09/01/2020 06:30:00 | 27 | 50810.0 | 5867.5 | 0.0 | -5867.5 | 11.55 | 0.00 | -3.839 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 06:45:00 | 28 | 50810.0 | 5760.0 | 3.12 | -5756.88 | 11.33 | 0.00 | -2.879 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 07:00:00 | 29 | 50810.0 | 5775.0 | 21.88 | -5753.12 | 11.32 | 0.00 | -2.879 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 07:15:00 | 30 | 50810.0 | 5785.0 | 18.75 | -5766.25 | 11.35 | 0.00 | 6.400 | 2868.748227 |
| Vankusvade 220kV | 09/01/2020 07:30:00 | 31 | 50810.0 | 5947.5 | 9.38 | -5938.12 | 11.69 | 0.00 | 1.172 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 07:45:00 | 32 | 50810.0 | 5817.5 | 3.12 | -5814.38 | 11.44 | 0.00 | 0.576 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 08:00:00 | 33 | 50810.0 | 5805.0 | 0.0 | -5805.0 | 11.42 | 0.00 | -0.576 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 08:15:00 | 34 | 50810.0 | 5907.5 | 0.0 | -5907.5 | 11.63 | 0.00 | -1.152 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 08:30:00 | 35 | 50810.0 | 5900.0 | 0.0 | -5900.0 | 11.61 | 0.00 | 0.576 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 08:45:00 | 36 | 50810.0 | 5770.0 | 3.12 | -5766.88 | 11.35 | 0.00 | 0.000 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 09:00:00 | 37 | 50810.0 | 5935.0 | 0.0 | -5935.0 | 11.68 | 0.00 | 1.152 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 09:15:00 | 38 | 50810.0 | 5907.5 | 0.0 | -5907.5 | 11.63 | 0.00 | 1.727 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 09:30:00 | 39 | 50810.0 | 5947.5 | 3.12 | -5944.38 | 11.7 | 0.00 | -3.839 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 09:45:00 | 40 | 50810.0 | 5922.5 | 0.0 | -5922.5 | 11.66 | 0.00 | -1.152 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 10:00:00 | 41 | 50810.0 | 5765.0 | 0.0 | -5765.0 | 11.35 | 0.00 | 0.000 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 10:15:00 | 42 | 50810.0 | 5762.5 | 3.12 | -5759.38 | 11.34 | 0.00 | 1.727 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 10:30:00 | 43 | 50810.0 | 5855.0 | 0.0 | -5855.0 | 11.52 | 0.00 | 2.303 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 10:45:00 | 44 | 50810.0 | 5935.0 | 0.0 | -5935.0 | 11.68 | 0.00 | -1.144 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 11:00:00 | 45 | 50810.0 | 5905.0 | 6.25 | -5898.75 | 11.61 | 0.00 | -4.479 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vankusvade 220kV | 09/01/2020 11:15:00 | 46 | 50810.0 | 5855.0 | 0.0 | -5855.0 | 11.52 | 0.00 | -3.519 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 11:30:00 | 47 | 50810.0 | 5867.5 | 3.12 | -5864.38 | 11.54 | 0.00 | -2.303 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 11:45:00 | 48 | 50810.0 | 5760.0 | 9.38 | -5750.62 | 11.32 | 0.00 | -0.576 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 12:00:00 | 49 | 50810.0 | 5775.0 | 6.25 | -5768.75 | 11.35 | 0.00 | 0.000 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 12:15:00 | 50 | 50810.0 | 5785.0 | 12.5 | -5772.5 | 11.36 | 0.00 | 3.839 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 12:30:00 | 51 | 50810.0 | 5947.5 | 0.0 | -5947.5 | 11.71 | 0.00 | 3.199 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 12:45:00 | 52 | 50810.0 | 5817.5 | 3.12 | -5814.38 | 11.44 | 0.00 | 3.199 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 13:00:00 | 53 | 50810.0 | 5805.0 | 3.12 | -5801.88 | 11.42 | 0.00 | -1.152 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 13:15:00 | 54 | 50810.0 | 5907.5 | 9.38 | -5898.12 | 11.61 | 0.00 | -1.152 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 13:30:00 | 55 | 50810.0 | 5900.0 | 68.75 | -5831.25 | 11.48 | 0.00 | 1.727 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 13:45:00 | 56 | 50810.0 | 5770.0 | 150.0 | -5620.0 | 11.06 | 0.00 | 3.199 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 14:00:00 | 57 | 50810.0 | 5935.0 | 375.0 | -5560.0 | 10.94 | 0.00 | 4.345 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 14:15:00 | 58 | 50810.0 | 5907.5 | 321.88 | -5585.62 | 10.99 | 0.00 | 3.941 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 14:30:00 | 59 | 50810.0 | 5947.5 | 656.25 | -5291.25 | 10.41 | 0.00 | 1.152 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 14:45:00 | 60 | 50810.0 | 5922.5 | 896.88 | -5025.62 | 9.89 | 0.00 | -0.576 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 15:00:00 | 61 | 50810.0 | 5765.0 | 787.5 | -4977.5 | 9.8 | 0.00 | -1.006 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 15:15:00 | 62 | 50810.0 | 5762.5 | 637.5 | -5125.0 | 10.09 | 0.00 | 3.199 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 15:30:00 | 63 | 50810.0 | 5855.0 | 690.62 | -5164.38 | 10.16 | 0.00 | 2.879 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 15:45:00 | 64 | 50810.0 | 5935.0 | 1096.88 | -4838.12 | 9.52 | 0.00 | 3.839 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 16:00:00 | 65 | 50810.0 | 5905.0 | 1231.25 | -4673.75 | 9.2 | 0.00 | 1.727 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 16:15:00 | 66 | 50810.0 | 5855.0 | 1390.62 | -4464.38 | 8.79 | 0.00 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vankusvade 220kV | 09/01/2020 16:30:00 | 67 | 50810.0 | 5940.0 | 1690.62 | -4249.38 | 8.36 | 0.00 | -4.159 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 16:45:00 | 68 | 50810.0 | 5775.0 | 1806.25 | -3968.75 | 7.81 | 0.00 | 3.839 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 17:00:00 | 69 | 50810.0 | 5785.0 | 1303.12 | -4481.88 | 8.82 | 0.00 | 1.727 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 17:15:00 | 70 | 50810.0 | 5947.5 | 1025.0 | -4922.5 | 9.69 | 0.00 | 3.839 | 1691.940874 |
| Vankusvade 220kV | 09/01/2020 17:30:00 | 71 | 50810.0 | 5817.5 | 753.12 | -5064.38 | 9.97 | 0.00 | -2.879 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 17:45:00 | 72 | 50810.0 | 5805.0 | 700.0 | -5105.0 | 10.05 | 0.00 | -4.146 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 18:00:00 | 73 | 50810.0 | 5907.5 | 859.38 | -5048.12 | 9.94 | 0.00 | -3.349 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 18:15:00 | 74 | 50810.0 | 5900.0 | 837.5 | -5062.5 | 9.96 | 0.00 | -4.563 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 18:30:00 | 75 | 50810.0 | 5770.0 | 590.62 | -5179.38 | 10.19 | 0.00 | -3.839 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 18:45:00 | 76 | 50810.0 | 5935.0 | 346.88 | -5588.12 | 11.0 | 0.00 | -2.879 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 19:00:00 | 77 | 50810.0 | 5907.5 | 25.0 | -5882.5 | 11.58 | 0.00 | -3.199 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 19:15:00 | 78 | 50810.0 | 5947.5 | 3.12 | -5944.38 | 11.7 | 0.00 | -1.727 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 19:30:00 | 79 | 50810.0 | 6622.5 | 3.12 | -6619.38 | 13.03 | 0.00 | -1.442 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 19:45:00 | 80 | 50810.0 | 6465.0 | 3.12 | -6461.88 | 12.72 | 0.00 | -0.286 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 20:00:00 | 81 | 50810.0 | 6462.5 | 3.12 | -6459.38 | 12.71 | 0.00 | -1.070 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 20:15:00 | 82 | 50810.0 | 6555.0 | 3.12 | -6551.88 | 12.89 | 0.00 | -2.236 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 20:30:00 | 83 | 50810.0 | 6635.0 | 3.12 | -6631.88 | 13.05 | 0.00 | -4.799 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 20:45:00 | 84 | 50810.0 | 6605.0 | 3.12 | -6601.88 | 12.99 | 0.00 | -1.727 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 21:00:00 | 85 | 50810.0 | 6475.0 | 34.38 | -6440.62 | 12.68 | 0.00 | -1.727 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 21:15:00 | 86 | 50810.0 | 6485.0 | 162.5 | -6322.5 | 12.44 | 0.00 | 1.152 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 21:30:00 | 87 | 50810.0 | 6647.5 | 259.38 | -6388.12 | 12.57 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vankusvade 220kV | 09/01/2020 21:45:00 | 88 | 50810.0 | 6517.5 | 306.25 | -6211.25 | 12.22 | 0.00 | -2.303 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 22:00:00 | 89 | 50810.0 | 6505.0 | 290.62 | -6214.38 | 12.23 | 0.00 | -2.795 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 22:15:00 | 90 | 50810.0 | 6607.5 | 356.25 | -6251.25 | 12.3 | 0.00 | -3.674 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 22:30:00 | 91 | 50810.0 | 6600.0 | 493.75 | -6106.25 | 12.02 | 0.00 | -2.303 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 22:45:00 | 92 | 50810.0 | 6470.0 | 500.0 | -5970.0 | 11.75 | 0.00 | -1.152 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 23:00:00 | 93 | 50810.0 | 6635.0 | 550.0 | -6085.0 | 11.98 | 0.00 | 0.000 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 23:15:00 | 94 | 50810.0 | 6607.5 | 837.5 | -5770.0 | 11.36 | 0.00 | -0.576 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 23:30:00 | 95 | 50810.0 | 6647.5 | 1384.38 | -5263.12 | 10.36 | 0.00 | -0.576 | 0.000000 |
| Vankusvade 220kV | 09/01/2020 23:45:00 | 96 | 50810.0 | 6622.5 | 1593.75 | -5028.75 | 9.9 | 0.00 | -0.987 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 00:00:00 | 1 | 50810.0 | 6580.0 | 1596.88 | -4983.12 | 9.81 | 0.00 | -0.680 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 00:15:00 | 2 | 50810.0 | 6677.5 | 1565.62 | -5111.88 | 10.06 | 0.00 | -3.326 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 00:30:00 | 3 | 50810.0 | 6667.5 | 1665.62 | -5001.88 | 9.84 | 0.00 | -2.992 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 00:45:00 | 4 | 50810.0 | 6617.5 | 1975.0 | -4642.5 | 9.14 | 0.00 | -0.532 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 01:00:00 | 5 | 50810.0 | 6510.0 | 2437.5 | -4072.5 | 8.02 | 0.00 | -0.713 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 01:15:00 | 6 | 50810.0 | 6525.0 | 3015.62 | -3509.38 | 6.91 | 0.00 | -0.548 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 01:30:00 | 7 | 50810.0 | 6535.0 | 3537.5 | -2997.5 | 5.9 | 0.00 | -2.658 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 01:45:00 | 8 | 50810.0 | 6697.5 | 4271.88 | -2425.62 | 4.77 | 0.00 | 2.127 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 02:00:00 | 9 | 50810.0 | 6567.5 | 5137.5 | -1430.0 | 2.81 | 0.00 | 5.342 | 2801.898799 |
| Vankusvade 220kV | 10/01/2020 02:15:00 | 10 | 50810.0 | 6555.0 | 5634.38 | -920.62 | 1.81 | 0.00 | 1.595 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 02:30:00 | 11 | 50810.0 | 6657.5 | 5575.0 | -1082.5 | 2.13 | 0.00 | 3.326 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 02:45:00 | 12 | 50810.0 | 6650.0 | 6853.12 | 203.12 | 0.4 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vankusvade 220kV | 10/01/2020 03:00:00 | 13 | 50810.0 | 6520.0 | 7646.88 | 1126.88 | 2.22 | 0.00 | 2.658 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 03:15:00 | 14 | 50810.0 | 7685.0 | 7590.62 | -94.38 | 0.19 | 0.00 | 2.127 | 14.965152 |
| Vankusvade 220kV | 10/01/2020 03:30:00 | 15 | 50810.0 | 7657.5 | 6990.62 | -666.88 | 1.31 | 0.00 | 2.127 | 125.367240 |
| Vankusvade 220kV | 10/01/2020 03:45:00 | 16 | 50810.0 | 7697.5 | 6765.62 | -931.88 | 1.83 | 0.00 | -1.063 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 04:00:00 | 17 | 50810.0 | 7672.5 | 6359.38 | -1313.12 | 2.58 | 0.00 | 1.595 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 04:15:00 | 18 | 50810.0 | 7515.0 | 6650.0 | -865.0 | 1.7 | 0.00 | 3.326 | 514.362701 |
| Vankusvade 220kV | 10/01/2020 04:30:00 | 19 | 50810.0 | 6512.5 | 7231.25 | 718.75 | 1.41 | 0.00 | 3.326 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 04:45:00 | 20 | 50810.0 | 6605.0 | 7856.25 | 1251.25 | 2.46 | 0.00 | 2.127 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 05:00:00 | 21 | 50810.0 | 6685.0 | 8096.88 | 1411.88 | 2.78 | 0.00 | 2.992 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 05:15:00 | 22 | 50810.0 | 6655.0 | 8278.12 | 1623.12 | 3.19 | 0.00 | 1.063 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 05:30:00 | 23 | 50810.0 | 6580.0 | 8665.62 | 2085.62 | 4.1 | 0.00 | -2.658 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 05:45:00 | 24 | 50810.0 | 6677.5 | 8818.75 | 2141.25 | 4.21 | 0.00 | 2.127 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 06:00:00 | 25 | 50810.0 | 6667.5 | 9190.62 | 2523.12 | 4.97 | 0.00 | -2.127 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 06:15:00 | 26 | 50810.0 | 6617.5 | 9665.62 | 3048.12 | 6.0 | 0.00 | 2.658 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 06:30:00 | 27 | 50810.0 | 6510.0 | 9709.38 | 3199.38 | 6.3 | 0.00 | -2.992 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 06:45:00 | 28 | 50810.0 | 6525.0 | 10018.75 | 3493.75 | 6.88 | 0.00 | -3.077 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 07:00:00 | 29 | 50810.0 | 6535.0 | 10643.75 | 4108.75 | 8.09 | 0.00 | -0.687 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 07:15:00 | 30 | 50810.0 | 6697.5 | 10237.5 | 3540.0 | 6.97 | 0.00 | -2.658 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 07:30:00 | 31 | 50810.0 | 6567.5 | 10134.38 | 3566.88 | 7.02 | 0.00 | -1.063 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 07:45:00 | 32 | 50810.0 | 6555.0 | 10140.62 | 3585.62 | 7.06 | 0.00 | -2.658 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 08:00:00 | 33 | 50810.0 | 6657.5 | 9909.38 | 3251.88 | 6.4 | 0.00 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vankusvade 220kV | 10/01/2020 08:15:00 | 34 | 50810.0 | 6650.0 | 9575.0 | 2925.0 | 5.76 | 0.00 | -4.661 | -384.419552 |
| Vankusvade 220kV | 10/01/2020 08:30:00 | 35 | 50810.0 | 6520.0 | 9584.38 | 3064.38 | 6.03 | 0.00 | 5.663 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 08:45:00 | 36 | 50810.0 | 6685.0 | 9459.38 | 2774.38 | 5.46 | 0.00 | 4.328 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 09:00:00 | 37 | 50810.0 | 6657.5 | 9306.25 | 2648.75 | 5.21 | 0.00 | -4.995 | -483.048830 |
| Vankusvade 220kV | 10/01/2020 09:15:00 | 38 | 50810.0 | 6697.5 | 9300.0 | 2602.5 | 5.12 | 0.00 | -4.327 | -340.215027 |
| Vankusvade 220kV | 10/01/2020 09:30:00 | 39 | 50810.0 | 6672.5 | 9334.38 | 2661.88 | 5.24 | 0.00 | -2.127 | -522.656681 |
| Vankusvade 220kV | 10/01/2020 09:45:00 | 40 | 50810.0 | 6515.0 | 9209.38 | 2694.38 | 5.3 | 0.00 | -1.152 | -505.131246 |
| Vankusvade 220kV | 10/01/2020 10:00:00 | 41 | 50810.0 | 6512.5 | 8665.62 | 2153.12 | 4.24 | 0.00 | 0.000 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 10:15:00 | 42 | 50810.0 | 6605.0 | 8059.38 | 1454.38 | 2.86 | 0.00 | -0.532 | -44.773437 |
| Vankusvade 220kV | 10/01/2020 10:30:00 | 43 | 50810.0 | 6685.0 | 7609.38 | 924.38 | 1.82 | 0.00 | -1.063 | -55.218598 |
| Vankusvade 220kV | 10/01/2020 10:45:00 | 44 | 50810.0 | 6655.0 | 6975.0 | 320.0 | 0.63 | 0.00 | 0.000 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 11:00:00 | 45 | 50810.0 | 6580.0 | 6634.38 | 54.38 | 0.11 | 0.00 | 2.658 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 11:15:00 | 46 | 50810.0 | 6677.5 | 6075.0 | -602.5 | 1.19 | 0.00 | 0.000 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 11:30:00 | 47 | 50810.0 | 6667.5 | 5975.0 | -692.5 | 1.36 | 0.00 | -1.595 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 11:45:00 | 48 | 50810.0 | 6617.5 | 5931.25 | -686.25 | 1.35 | 0.00 | 2.992 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 12:00:00 | 49 | 50810.0 | 6510.0 | 5740.62 | -769.38 | 1.51 | 0.00 | 0.000 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 12:15:00 | 50 | 50810.0 | 6525.0 | 5425.0 | -1100.0 | 2.16 | 0.00 | 2.127 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 12:30:00 | 51 | 50810.0 | 6535.0 | 5381.25 | -1153.75 | 2.27 | 0.00 | 1.595 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 12:45:00 | 52 | 50810.0 | 6697.5 | 5512.5 | -1185.0 | 2.33 | 0.00 | -1.063 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 13:00:00 | 53 | 50810.0 | 6567.5 | 5778.12 | -789.38 | 1.55 | 0.00 | 2.658 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 13:15:00 | 54 | 50810.0 | 6555.0 | 5787.5 | -767.5 | 1.51 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vankusvade 220kV | 10/01/2020 13:30:00 | 55 | 50810.0 | 6657.5 | 5290.62 | -1366.88 | 2.69 | 0.00 | 2.127 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 13:45:00 | 56 | 50810.0 | 6650.0 | 5184.38 | -1465.62 | 2.88 | 0.00 | -3.326 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 14:00:00 | 57 | 50810.0 | 6520.0 | 5078.12 | -1441.88 | 2.84 | 0.00 | -2.992 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 14:15:00 | 58 | 50810.0 | 6685.0 | 5028.12 | -1656.88 | 3.26 | 0.00 | 3.660 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 14:30:00 | 59 | 50810.0 | 6657.5 | 4584.38 | -2073.12 | 4.08 | 0.00 | -2.127 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 14:45:00 | 60 | 50810.0 | 6697.5 | 4184.38 | -2513.12 | 4.95 | 0.00 | -2.127 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 15:00:00 | 61 | 50810.0 | 6672.5 | 3853.12 | -2819.38 | 5.55 | 0.00 | 0.000 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 15:15:00 | 62 | 50810.0 | 6515.0 | 2965.62 | -3549.38 | 6.99 | 0.00 | -2.992 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 15:30:00 | 63 | 50810.0 | 6512.5 | 3150.0 | -3362.5 | 6.62 | 0.00 | -4.995 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 15:45:00 | 64 | 50810.0 | 6605.0 | 2953.12 | -3651.88 | 7.19 | 0.00 | -4.327 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 16:00:00 | 65 | 50810.0 | 6685.0 | 2371.88 | -4313.12 | 8.49 | 0.00 | -4.995 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 16:15:00 | 66 | 50810.0 | 6655.0 | 1743.75 | -4911.25 | 9.67 | 0.00 | -8.000 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 16:30:00 | 67 | 50810.0 | 5940.0 | 1684.38 | -4255.62 | 8.38 | 0.00 | -8.000 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 16:45:00 | 68 | 50810.0 | 5740.0 | 1493.75 | -4246.25 | 8.36 | 0.00 | 4.327 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 17:00:00 | 69 | 50810.0 | 5715.0 | 1237.5 | -4477.5 | 8.81 | 0.00 | 0.532 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 17:15:00 | 70 | 50810.0 | 5940.0 | 1237.5 | -4702.5 | 9.26 | 0.00 | -1.595 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 17:30:00 | 71 | 50810.0 | 5820.0 | 1306.25 | -4513.75 | 8.88 | 0.00 | -2.658 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 17:45:00 | 72 | 50810.0 | 5917.5 | 1818.75 | -4098.75 | 8.07 | 0.00 | -2.127 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 18:00:00 | 73 | 50810.0 | 6630.0 | 1818.75 | -4811.25 | 9.47 | 0.00 | -1.461 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 18:15:00 | 74 | 50810.0 | 6580.0 | 2240.62 | -4339.38 | 8.54 | 0.00 | 3.326 | 1524.928422 |
| Vankusvade 220kV | 10/01/2020 18:30:00 | 75 | 50810.0 | 6677.5 | 2328.12 | -4349.38 | 8.56 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vankusvade 220kV | 10/01/2020 18:45:00 | 76 | 50810.0 | 6667.5 | 2203.12 | -4464.38 | 8.79 | 0.00 | 3.994 | 745.213912 |
| Vankusvade 220kV | 10/01/2020 19:00:00 | 77 | 50810.0 | 6617.5 | 2034.38 | -4583.12 | 9.02 | 0.00 | -2.127 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 19:15:00 | 78 | 50810.0 | 6510.0 | 1565.62 | -4944.38 | 9.73 | 0.00 | -2.658 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 19:30:00 | 79 | 50810.0 | 5025.0 | 1525.0 | -3500.0 | 6.89 | 0.00 | -3.660 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 19:45:00 | 80 | 50810.0 | 5035.0 | 1471.88 | -3563.12 | 7.01 | 0.00 | -3.326 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 20:00:00 | 81 | 50810.0 | 5197.5 | 1559.38 | -3638.12 | 7.16 | 0.00 | 3.660 | 886.860339 |
| Vankusvade 220kV | 10/01/2020 20:15:00 | 82 | 50810.0 | 5067.5 | 1728.12 | -3339.38 | 6.57 | 0.00 | 3.660 | 3495.834971 |
| Vankusvade 220kV | 10/01/2020 20:30:00 | 83 | 50810.0 | 5055.0 | 1618.75 | -3436.25 | 6.76 | 0.00 | 4.995 | 5106.820670 |
| Vankusvade 220kV | 10/01/2020 20:45:00 | 84 | 50810.0 | 5157.5 | 1387.5 | -3770.0 | 7.42 | 0.00 | 2.992 | 3962.004334 |
| Vankusvade 220kV | 10/01/2020 21:00:00 | 85 | 50810.0 | 5150.0 | 1287.5 | -3862.5 | 7.6 | 0.00 | -3.660 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 21:15:00 | 86 | 50810.0 | 5020.0 | 1140.62 | -3879.38 | 7.64 | 0.00 | -1.595 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 21:30:00 | 87 | 50810.0 | 5185.0 | 1093.75 | -4091.25 | 8.05 | 0.00 | -1.063 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 21:45:00 | 88 | 50810.0 | 5157.5 | 1281.25 | -3876.25 | 7.63 | 0.00 | -0.532 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 22:00:00 | 89 | 50810.0 | 5197.5 | 1200.0 | -3997.5 | 7.87 | 0.00 | -1.595 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 22:15:00 | 90 | 50810.0 | 5172.5 | 996.88 | -4175.62 | 8.22 | 0.00 | -2.127 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 22:30:00 | 91 | 50810.0 | 5015.0 | 1162.5 | -3852.5 | 7.58 | 0.00 | 1.063 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 22:45:00 | 92 | 50810.0 | 5012.5 | 1237.5 | -3775.0 | 7.43 | 0.00 | -2.658 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 23:00:00 | 93 | 50810.0 | 5105.0 | 1325.0 | -3780.0 | 7.44 | 0.00 | -2.658 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 23:15:00 | 94 | 50810.0 | 5185.0 | 1250.0 | -3935.0 | 7.74 | 0.00 | 0.000 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 23:30:00 | 95 | 50810.0 | 5155.0 | 1271.88 | -3883.12 | 7.64 | 0.00 | 0.000 | 0.000000 |
| Vankusvade 220kV | 10/01/2020 23:45:00 | 96 | 50810.0 | 5105.0 | 1287.5 | -3817.5 | 7.51 | 0.00 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vankusvade 220kV | 11/01/2020 00:00:00 | 1 | 50810.0 | 6580.0 | 1643.75 | -4936.25 | 9.72 | 0.00 | 0.000 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 00:15:00 | 2 | 50810.0 | 6677.5 | 1590.62 | -5086.88 | 10.01 | 0.00 | -2.629 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 00:30:00 | 3 | 50810.0 | 6667.5 | 1509.38 | -5158.12 | 10.15 | 0.00 | -1.577 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 00:45:00 | 4 | 50810.0 | 6617.5 | 1625.0 | -4992.5 | 9.83 | 0.00 | 2.103 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 01:00:00 | 5 | 50810.0 | 6510.0 | 1553.12 | -4956.88 | 9.76 | 0.00 | 2.964 | 2328.807314 |
| Vankusvade 220kV | 11/01/2020 01:15:00 | 6 | 50810.0 | 6525.0 | 1478.12 | -5046.88 | 9.93 | 0.00 | 1.052 | 332.850925 |
| Vankusvade 220kV | 11/01/2020 01:30:00 | 7 | 50810.0 | 6535.0 | 1596.88 | -4938.12 | 9.72 | 0.00 | 1.577 | 579.833014 |
| Vankusvade 220kV | 11/01/2020 01:45:00 | 8 | 50810.0 | 6697.5 | 3706.25 | -2991.25 | 5.89 | 0.00 | -0.526 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 02:00:00 | 9 | 50810.0 | 6567.5 | 6103.12 | -464.38 | 0.91 | 0.00 | -0.403 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 02:15:00 | 10 | 50810.0 | 6555.0 | 6018.75 | -536.25 | 1.06 | 0.00 | -0.630 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 02:30:00 | 11 | 50810.0 | 6657.5 | 5565.62 | -1091.88 | 2.15 | 0.00 | -0.526 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 02:45:00 | 12 | 50810.0 | 6650.0 | 5740.62 | -909.38 | 1.79 | 0.00 | -0.526 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 03:00:00 | 13 | 50810.0 | 6520.0 | 5106.25 | -1413.75 | 2.78 | 0.00 | -1.051 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 03:15:00 | 14 | 50810.0 | 6685.0 | 4525.0 | -2160.0 | 4.25 | 0.00 | 0.000 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 03:30:00 | 15 | 50810.0 | 6657.5 | 4971.88 | -1685.62 | 3.32 | 0.00 | 0.000 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 03:45:00 | 16 | 50810.0 | 6697.5 | 5481.25 | -1216.25 | 2.39 | 0.00 | 0.000 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 04:00:00 | 17 | 50810.0 | 6672.5 | 5565.62 | -1106.88 | 2.18 | 0.00 | 0.000 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 04:15:00 | 18 | 50810.0 | 6515.0 | 5684.38 | -830.62 | 1.63 | 0.00 | -1.051 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 04:30:00 | 19 | 50810.0 | 6512.5 | 5312.5 | -1200.0 | 2.36 | 0.00 | -2.964 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 04:45:00 | 20 | 50810.0 | 6605.0 | 5259.38 | -1345.62 | 2.65 | 0.00 | -3.300 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 05:00:00 | 21 | 50810.0 | 6685.0 | 5265.62 | -1419.38 | 2.79 | 0.00 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vankusvade 220kV | 11/01/2020 05:15:00 | 22 | 50810.0 | 6655.0 | 5121.88 | -1533.12 | 3.02 | 0.00 | 5.314 | 1920.990598 |
| Vankusvade 220kV | 11/01/2020 05:30:00 | 23 | 50810.0 | 6580.0 | 4743.75 | -1836.25 | 3.61 | 0.00 | 2.964 | 1111.759984 |
| Vankusvade 220kV | 11/01/2020 05:45:00 | 24 | 50810.0 | 6677.5 | 4240.62 | -2436.88 | 4.8 | 0.00 | 2.103 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 06:00:00 | 25 | 50810.0 | 6667.5 | 4371.88 | -2295.62 | 4.52 | 0.00 | 3.636 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 06:15:00 | 26 | 50810.0 | 6617.5 | 4809.38 | -1808.12 | 3.56 | 0.00 | 2.964 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 06:30:00 | 27 | 50810.0 | 6510.0 | 5093.75 | -1416.25 | 2.79 | 0.00 | 4.105 | 1040.420377 |
| Vankusvade 220kV | 11/01/2020 06:45:00 | 28 | 50810.0 | 6525.0 | 4943.75 | -1581.25 | 3.11 | 0.00 | 5.650 | 244.543958 |
| Vankusvade 220kV | 11/01/2020 07:00:00 | 29 | 50810.0 | 6535.0 | 4696.88 | -1838.12 | 3.62 | 0.00 | 3.300 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 07:15:00 | 30 | 50810.0 | 6697.5 | 4728.12 | -1969.38 | 3.88 | 0.00 | 5.314 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 07:30:00 | 31 | 50810.0 | 6567.5 | 4462.5 | -2105.0 | 4.14 | 0.00 | 2.964 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 07:45:00 | 32 | 50810.0 | 6555.0 | 3937.5 | -2617.5 | 5.15 | 0.00 | 2.103 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 08:00:00 | 33 | 50810.0 | 6657.5 | 3940.62 | -2716.88 | 5.35 | 0.00 | -1.577 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 08:15:00 | 34 | 50810.0 | 6650.0 | 3409.38 | -3240.62 | 6.38 | 0.00 | 3.300 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 08:30:00 | 35 | 50810.0 | 6520.0 | 3134.38 | -3385.62 | 6.66 | 0.00 | 2.116 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 08:45:00 | 36 | 50810.0 | 6685.0 | 2993.75 | -3691.25 | 7.26 | 0.00 | 2.964 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 09:00:00 | 37 | 50810.0 | 6657.5 | 2725.0 | -3932.5 | 7.74 | 0.00 | 6.681 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 09:15:00 | 38 | 50810.0 | 6697.5 | 2756.25 | -3941.25 | 7.76 | 0.00 | 6.657 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 09:30:00 | 39 | 50810.0 | 6672.5 | 3018.75 | -3653.75 | 7.19 | 0.00 | -6.322 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 09:45:00 | 40 | 50810.0 | 6515.0 | 3603.12 | -2911.88 | 5.73 | 0.00 | -2.103 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 10:00:00 | 41 | 50810.0 | 6512.5 | 3593.75 | -2918.75 | 5.74 | 0.00 | 0.526 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 10:15:00 | 42 | 50810.0 | 6605.0 | 3368.75 | -3236.25 | 6.37 | 0.00 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vankusvade 220kV | 11/01/2020 10:30:00 | 43 | 50810.0 | 6685.0 | 3306.25 | -3378.75 | 6.65 | 0.00 | 0.000 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 10:45:00 | 44 | 50810.0 | 6655.0 | 3578.12 | -3076.88 | 6.06 | 0.00 | 0.000 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 11:00:00 | 45 | 50810.0 | 6580.0 | 3803.12 | -2776.88 | 5.47 | 0.00 | 0.000 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 11:15:00 | 46 | 50810.0 | 6677.5 | 4181.25 | -2496.25 | 4.91 | 0.00 | -2.964 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 11:30:00 | 47 | 50810.0 | 6667.5 | 3871.88 | -2795.62 | 5.5 | 0.00 | -4.307 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 11:45:00 | 48 | 50810.0 | 6617.5 | 3090.62 | -3526.88 | 6.94 | 0.00 | -3.300 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 12:00:00 | 49 | 50810.0 | 6510.0 | 2650.0 | -3860.0 | 7.6 | 0.00 | -0.526 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 12:15:00 | 50 | 50810.0 | 6525.0 | 2565.62 | -3959.38 | 7.79 | 0.00 | -2.103 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 12:30:00 | 51 | 50810.0 | 6535.0 | 2515.62 | -4019.38 | 7.91 | 0.00 | -2.629 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 12:45:00 | 52 | 50810.0 | 6697.5 | 2581.25 | -4116.25 | 8.1 | 0.00 | -2.629 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 13:00:00 | 53 | 50810.0 | 6567.5 | 2256.25 | -4311.25 | 8.49 | 0.00 | 0.000 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 13:15:00 | 54 | 50810.0 | 6555.0 | 2118.75 | -4436.25 | 8.73 | 0.00 | -2.103 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 13:30:00 | 55 | 50810.0 | 6657.5 | 2109.38 | -4548.12 | 8.95 | 0.00 | 2.629 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 13:45:00 | 56 | 50810.0 | 6650.0 | 2043.75 | -4606.25 | 9.07 | 0.00 | 2.103 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 14:00:00 | 57 | 50810.0 | 6520.0 | 1815.62 | -4704.38 | 9.26 | 0.00 | 1.051 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 14:15:00 | 58 | 50810.0 | 6685.0 | 1575.0 | -5110.0 | 10.06 | 0.00 | 3.300 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 14:30:00 | 59 | 50810.0 | 6657.5 | 1250.0 | -5407.5 | 10.64 | 0.00 | -3.636 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 14:45:00 | 60 | 50810.0 | 6697.5 | 712.5 | -5985.0 | 11.78 | 0.00 | 4.979 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 15:00:00 | 61 | 50810.0 | 6672.5 | 193.75 | -6478.75 | 12.75 | 0.00 | -2.964 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 15:15:00 | 62 | 50810.0 | 6515.0 | 18.75 | -6496.25 | 12.79 | 0.00 | -5.314 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 15:30:00 | 63 | 50810.0 | 6512.5 | 15.62 | -6496.88 | 12.79 | 0.00 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vankusvade 220kV | 11/01/2020 15:45:00 | 64 | 50810.0 | 6605.0 | 0.0 | -6605.0 | 13.0 | 0.00 | 4.643 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 16:00:00 | 65 | 50810.0 | 6685.0 | 3.12 | -6681.88 | 13.15 | 0.00 | 2.103 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 16:15:00 | 66 | 50810.0 | 6655.0 | 3.12 | -6651.88 | 13.09 | 0.00 | -2.964 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 16:30:00 | 67 | 50810.0 | 5940.0 | 0.0 | -5940.0 | 11.69 | 0.00 | -2.103 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 16:45:00 | 68 | 50810.0 | 5740.0 | 3.12 | -5736.88 | 11.29 | 0.00 | 3.972 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 17:00:00 | 69 | 50810.0 | 5715.0 | 6.25 | -5708.75 | 11.24 | 0.00 | -1.577 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 17:15:00 | 70 | 50810.0 | 5940.0 | 12.5 | -5927.5 | 11.67 | 0.00 | -1.577 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 17:30:00 | 71 | 50810.0 | 5820.0 | 87.5 | -5732.5 | 11.28 | 0.00 | 1.051 | 73.142943 |
| Vankusvade 220kV | 11/01/2020 17:45:00 | 72 | 50810.0 | 5917.5 | 109.38 | -5808.12 | 11.43 | 0.00 | -2.103 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 18:00:00 | 73 | 50810.0 | 6630.0 | 65.62 | -6564.38 | 12.92 | 0.00 | -2.964 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 18:15:00 | 74 | 50810.0 | 6580.0 | 34.38 | -6545.62 | 12.88 | 0.00 | -2.629 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 18:30:00 | 75 | 50810.0 | 6677.5 | 68.75 | -6608.75 | 13.01 | 0.00 | 2.103 | 232.314043 |
| Vankusvade 220kV | 11/01/2020 18:45:00 | 76 | 50810.0 | 6667.5 | 218.75 | -6448.75 | 12.69 | 0.00 | 0.526 | 663.749401 |
| Vankusvade 220kV | 11/01/2020 19:00:00 | 77 | 50810.0 | 6617.5 | 203.12 | -6414.38 | 12.62 | 0.00 | 2.103 | 2622.176461 |
| Vankusvade 220kV | 11/01/2020 19:15:00 | 78 | 50810.0 | 6510.0 | 287.5 | -6222.5 | 12.25 | 0.00 | -1.052 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 19:30:00 | 79 | 50810.0 | 6525.0 | 359.38 | -6165.62 | 12.13 | 0.00 | 2.964 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 19:45:00 | 80 | 50810.0 | 6535.0 | 334.38 | -6200.62 | 12.2 | 0.00 | 2.629 | 4612.249957 |
| Vankusvade 220kV | 11/01/2020 20:00:00 | 81 | 50810.0 | 6697.5 | 303.12 | -6394.38 | 12.58 | 0.00 | 2.629 | 1039.922588 |
| Vankusvade 220kV | 11/01/2020 20:15:00 | 82 | 50810.0 | 6567.5 | 146.88 | -6420.62 | 12.64 | 0.00 | 4.307 | 3443.220092 |
| Vankusvade 220kV | 11/01/2020 20:30:00 | 83 | 50810.0 | 6555.0 | 75.0 | -6480.0 | 12.75 | 0.00 | 2.964 | 8910.072053 |
| Vankusvade 220kV | 11/01/2020 20:45:00 | 84 | 50810.0 | 6657.5 | 6.25 | -6651.25 | 13.09 | 0.00 | 2.629 | 7850.489417 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vankusvade 220kV | 11/01/2020 21:00:00 | 85 | 50810.0 | 6650.0 | 40.62 | -6609.38 | 13.01 | 0.00 | 3.636 | 1416.839768 |
| Vankusvade 220kV | 11/01/2020 21:15:00 | 86 | 50810.0 | 6520.0 | 221.88 | -6298.12 | 12.4 | 0.00 | -1.577 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 21:30:00 | 87 | 50810.0 | 6685.0 | 600.0 | -6085.0 | 11.98 | 0.00 | -1.577 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 21:45:00 | 88 | 50810.0 | 6657.5 | 809.38 | -5848.12 | 11.51 | 0.00 | -1.052 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 22:00:00 | 89 | 50810.0 | 6697.5 | 1034.38 | -5663.12 | 11.15 | 0.00 | -5.650 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 22:15:00 | 90 | 50810.0 | 6672.5 | 1100.0 | -5572.5 | 10.97 | 0.00 | -5.650 | 0.000000 |
| Vankusvade 220kV | 11/01/2020 22:30:00 | 91 | 50810.0 | 6515.0 | 1015.62 | -5499.38 | 10.82 | 0.00 | 4.979 | 2651.562464 |
| Vankusvade 220kV | 11/01/2020 22:45:00 | 92 | 50810.0 | 6512.5 | 775.0 | -5737.5 | 11.29 | 0.00 | 2.964 | 3603.051754 |
| Vankusvade 220kV | 11/01/2020 23:00:00 | 93 | 50810.0 | 6605.0 | 715.62 | -5889.38 | 11.59 | 0.00 | 1.577 | 920.909049 |
| Vankusvade 220kV | 11/01/2020 23:15:00 | 94 | 50810.0 | 6685.0 | 584.38 | -6100.62 | 12.01 | 0.00 | 1.074 | 780.267469 |
| Vankusvade 220kV | 11/01/2020 23:30:00 | 95 | 50810.0 | 6655.0 | 375.0 | -6280.0 | 12.36 | 0.00 | 2.113 | 3620.347297 |
| Vankusvade 220kV | 11/01/2020 23:45:00 | 96 | 50810.0 | 6605.0 | 84.38 | -6520.62 | 12.83 | 0.00 | 2.162 | 4846.153187 |
| Vankusvade 220kV | 12/01/2020 00:00:00 | 1 | 50810.0 | 6830.0 | 218.75 | -6611.25 | 13.01 | 0.00 | 3.022 | 4066.367261 |
| Vankusvade 220kV | 12/01/2020 00:15:00 | 2 | 50810.0 | 6927.5 | 293.75 | -6633.75 | 13.06 | 0.00 | -2.152 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 00:30:00 | 3 | 50810.0 | 6917.5 | 318.75 | -6598.75 | 12.99 | 0.00 | -2.152 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 00:45:00 | 4 | 50810.0 | 6867.5 | 256.25 | -6611.25 | 13.01 | 0.00 | -3.022 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 01:00:00 | 5 | 50810.0 | 6760.0 | 218.75 | -6541.25 | 12.87 | 0.00 | -0.629 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 01:15:00 | 6 | 50810.0 | 6775.0 | 228.12 | -6546.88 | 12.89 | 0.00 | -3.317 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 01:30:00 | 7 | 50810.0 | 6785.0 | 409.38 | -6375.62 | 12.55 | 0.00 | -3.354 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 01:45:00 | 8 | 50810.0 | 6947.5 | 553.12 | -6394.38 | 12.58 | 0.00 | -3.022 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 02:00:00 | 9 | 50810.0 | 6817.5 | 584.38 | -6233.12 | 12.27 | 0.00 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vankusvade 220kV | 12/01/2020 02:15:00 | 10 | 50810.0 | 6805.0 | 528.12 | -6276.88 | 12.35 | 0.00 | -3.022 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 02:30:00 | 11 | 50810.0 | 6907.5 | 665.62 | -6241.88 | 12.28 | 0.00 | -2.690 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 02:45:00 | 12 | 50810.0 | 6900.0 | 943.75 | -5956.25 | 11.72 | 0.00 | -3.022 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 03:00:00 | 13 | 50810.0 | 6770.0 | 1265.62 | -5504.38 | 10.83 | 0.00 | 3.354 | 2606.252603 |
| Vankusvade 220kV | 12/01/2020 03:15:00 | 14 | 50810.0 | 6935.0 | 1906.25 | -5028.75 | 9.9 | 0.00 | 3.022 | 2920.019078 |
| Vankusvade 220kV | 12/01/2020 03:30:00 | 15 | 50810.0 | 6907.5 | 2578.12 | -4329.38 | 8.52 | 0.00 | 3.354 | 932.416879 |
| Vankusvade 220kV | 12/01/2020 03:45:00 | 16 | 50810.0 | 6947.5 | 3115.62 | -3831.88 | 7.54 | 0.00 | 2.152 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 04:00:00 | 17 | 50810.0 | 6922.5 | 4212.5 | -2710.0 | 5.33 | 0.00 | -2.152 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 04:15:00 | 18 | 50810.0 | 6765.0 | 5493.75 | -1271.25 | 2.5 | 0.00 | -3.022 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 04:30:00 | 19 | 50810.0 | 6762.5 | 5721.88 | -1040.62 | 2.05 | 0.00 | 1.076 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 04:45:00 | 20 | 50810.0 | 6855.0 | 4803.12 | -2051.88 | 4.04 | 0.00 | -3.022 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 05:00:00 | 21 | 50810.0 | 6935.0 | 4256.25 | -2678.75 | 5.27 | 0.00 | 3.686 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 05:15:00 | 22 | 50810.0 | 6905.0 | 3275.0 | -3630.0 | 7.14 | 0.00 | 3.686 | 4004.872087 |
| Vankusvade 220kV | 12/01/2020 05:30:00 | 23 | 50810.0 | 6830.0 | 3446.88 | -3383.12 | 6.66 | 0.00 | -1.614 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 05:45:00 | 24 | 50810.0 | 6927.5 | 3437.5 | -3490.0 | 6.87 | 0.00 | -0.496 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 06:00:00 | 25 | 50810.0 | 6917.5 | 3884.38 | -3033.12 | 5.97 | 0.00 | 0.000 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 06:15:00 | 26 | 50810.0 | 6867.5 | 4203.12 | -2664.38 | 5.24 | 0.00 | -0.430 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 06:30:00 | 27 | 50810.0 | 6760.0 | 4603.12 | -2156.88 | 4.24 | 0.00 | -2.152 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 06:45:00 | 28 | 50810.0 | 6775.0 | 4334.38 | -2440.62 | 4.8 | 0.00 | 4.681 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 07:00:00 | 29 | 50810.0 | 6785.0 | 3909.38 | -2875.62 | 5.66 | 0.00 | 1.614 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 07:15:00 | 30 | 50810.0 | 6947.5 | 4140.62 | -2806.88 | 5.52 | 0.00 | 3.838 | 2323.132259 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vankusvade 220kV | 12/01/2020 07:30:00 | 31 | 50810.0 | 6817.5 | 4028.12 | -2789.38 | 5.49 | 0.00 | 3.022 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 07:45:00 | 32 | 50810.0 | 6805.0 | 3512.5 | -3292.5 | 6.48 | 0.00 | 2.690 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 08:00:00 | 33 | 50810.0 | 6907.5 | 2975.0 | -3932.5 | 7.74 | 0.00 | -2.690 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 08:15:00 | 34 | 50810.0 | 6900.0 | 2912.5 | -3987.5 | 7.85 | 0.00 | -4.018 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 08:30:00 | 35 | 50810.0 | 6770.0 | 3168.75 | -3601.25 | 7.09 | 0.00 | -2.690 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 08:45:00 | 36 | 50810.0 | 6935.0 | 3653.12 | -3281.88 | 6.46 | 0.00 | 3.022 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 09:00:00 | 37 | 50810.0 | 6907.5 | 3718.75 | -3188.75 | 6.28 | 0.00 | -3.354 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 09:15:00 | 38 | 50810.0 | 6947.5 | 3450.0 | -3497.5 | 6.88 | 0.00 | -4.350 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 09:30:00 | 39 | 50810.0 | 6922.5 | 3487.5 | -3435.0 | 6.76 | 0.00 | 2.152 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 09:45:00 | 40 | 50810.0 | 6765.0 | 3928.12 | -2836.88 | 5.58 | 0.00 | -2.690 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 10:00:00 | 41 | 50810.0 | 6762.5 | 4462.5 | -2300.0 | 4.53 | 0.00 | -3.354 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 10:15:00 | 42 | 50810.0 | 6855.0 | 4815.62 | -2039.38 | 4.01 | 0.00 | -3.686 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 10:30:00 | 43 | 50810.0 | 6935.0 | 5228.12 | -1706.88 | 3.36 | 0.00 | -1.614 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 10:45:00 | 44 | 50810.0 | 6905.0 | 5181.25 | -1723.75 | 3.39 | 0.00 | 3.686 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 11:00:00 | 45 | 50810.0 | 6830.0 | 4265.62 | -2564.38 | 5.05 | 0.00 | -3.354 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 11:15:00 | 46 | 50810.0 | 6927.5 | 3115.62 | -3811.88 | 7.5 | 0.00 | -5.450 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 11:30:00 | 47 | 50810.0 | 6917.5 | 2453.12 | -4464.38 | 8.79 | 0.00 | -6.009 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 11:45:00 | 48 | 50810.0 | 6867.5 | 2515.62 | -4351.88 | 8.57 | 0.00 | 2.690 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 12:00:00 | 49 | 50810.0 | 6510.0 | 2568.75 | -3941.25 | 7.76 | 0.00 | 3.686 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 12:15:00 | 50 | 50810.0 | 6525.0 | 2750.0 | -3775.0 | 7.43 | 0.00 | -5.345 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 12:30:00 | 51 | 50810.0 | 6535.0 | 2793.75 | -3741.25 | 7.36 | 0.00 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vankusvade 220kV | 12/01/2020 12:45:00 | 52 | 50810.0 | 6697.5 | 2571.88 | -4125.62 | 8.12 | 0.00 | -5.345 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 13:00:00 | 53 | 50810.0 | 6567.5 | 2212.5 | -4355.0 | 8.57 | 0.00 | -3.999 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 13:15:00 | 54 | 50810.0 | 6555.0 | 1818.75 | -4736.25 | 9.32 | 0.00 | -4.350 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 13:30:00 | 55 | 50810.0 | 6657.5 | 1775.0 | -4882.5 | 9.61 | 0.00 | -1.076 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 13:45:00 | 56 | 50810.0 | 6650.0 | 1275.0 | -5375.0 | 10.58 | 0.00 | -2.690 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 14:00:00 | 57 | 50810.0 | 6520.0 | 1043.75 | -5476.25 | 10.78 | 0.00 | -0.538 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 14:15:00 | 58 | 50810.0 | 6685.0 | 575.0 | -6110.0 | 12.03 | 0.00 | -2.152 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 14:30:00 | 59 | 50810.0 | 6657.5 | 440.62 | -6216.88 | 12.24 | 0.00 | -2.690 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 14:45:00 | 60 | 50810.0 | 6697.5 | 193.75 | -6503.75 | 12.8 | 0.00 | -1.076 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 15:00:00 | 61 | 50810.0 | 6672.5 | 31.25 | -6641.25 | 13.07 | 0.00 | 0.000 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 15:15:00 | 62 | 50810.0 | 6515.0 | 6.25 | -6508.75 | 12.81 | 0.00 | -2.690 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 15:30:00 | 63 | 50810.0 | 6512.5 | 0.0 | -6512.5 | 12.82 | 0.00 | -3.022 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 15:45:00 | 64 | 50810.0 | 6605.0 | 3.12 | -6601.88 | 12.99 | 0.00 | -3.686 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 16:00:00 | 65 | 50810.0 | 6685.0 | 3.12 | -6681.88 | 13.15 | 0.00 | -3.737 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 16:15:00 | 66 | 50810.0 | 6655.0 | 3.12 | -6651.88 | 13.09 | 0.00 | -5.786 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 16:30:00 | 67 | 50810.0 | 5940.0 | 0.0 | -5940.0 | 11.69 | 0.00 | -4.350 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 16:45:00 | 68 | 50810.0 | 5740.0 | 3.12 | -5736.88 | 11.29 | 0.00 | -1.614 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 17:00:00 | 69 | 50810.0 | 5715.0 | 3.12 | -5711.88 | 11.24 | 0.00 | 0.000 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 17:15:00 | 70 | 50810.0 | 5940.0 | 0.0 | -5940.0 | 11.69 | 0.00 | 2.690 | 1539.967291 |
| Vankusvade 220kV | 12/01/2020 17:30:00 | 71 | 50810.0 | 5820.0 | 3.12 | -5816.88 | 11.45 | 0.00 | -3.022 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 17:45:00 | 72 | 50810.0 | 5917.5 | 6.25 | -5911.25 | 11.63 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vankusvade 220kV | 12/01/2020 18:00:00 | 73 | 50810.0 | 6630.0 | 3.12 | -6626.88 | 13.04 | 0.00 | -0.538 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 18:15:00 | 74 | 50810.0 | 6580.0 | 3.12 | -6576.88 | 12.94 | 0.00 | -4.350 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 18:30:00 | 75 | 50810.0 | 6677.5 | 6.25 | -6671.25 | 13.13 | 0.00 | 2.690 | 1147.222484 |
| Vankusvade 220kV | 12/01/2020 18:45:00 | 76 | 50810.0 | 6667.5 | 3.12 | -6664.38 | 13.12 | 0.00 | 3.022 | 7383.241551 |
| Vankusvade 220kV | 12/01/2020 19:00:00 | 77 | 50810.0 | 6617.5 | 3.12 | -6614.38 | 13.02 | 0.00 | 3.686 | 2353.773478 |
| Vankusvade 220kV | 12/01/2020 19:15:00 | 78 | 50810.0 | 6510.0 | 6.25 | -6503.75 | 12.8 | 0.00 | 2.690 | 137.379072 |
| Vankusvade 220kV | 12/01/2020 19:30:00 | 79 | 50810.0 | 6525.0 | 3.12 | -6521.88 | 12.84 | 0.00 | -3.022 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 19:45:00 | 80 | 50810.0 | 6535.0 | 3.12 | -6531.88 | 12.86 | 0.00 | -1.781 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 20:00:00 | 81 | 50810.0 | 6697.5 | 6.25 | -6691.25 | 13.17 | 0.00 | -3.021 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 20:15:00 | 82 | 50810.0 | 6567.5 | 3.12 | -6564.38 | 12.92 | 0.00 | -4.018 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 20:30:00 | 83 | 50810.0 | 6555.0 | 3.12 | -6551.88 | 12.89 | 0.00 | -3.354 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 20:45:00 | 84 | 50810.0 | 6657.5 | 37.5 | -6620.0 | 13.03 | 0.00 | -1.614 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 21:00:00 | 85 | 50810.0 | 6650.0 | 21.88 | -6628.12 | 13.04 | 0.00 | -4.350 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 21:15:00 | 86 | 50810.0 | 6520.0 | 3.12 | -6516.88 | 12.83 | 0.00 | -3.686 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 21:30:00 | 87 | 50810.0 | 6685.0 | 3.12 | -6681.88 | 13.15 | 0.00 | -1.614 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 21:45:00 | 88 | 50810.0 | 6657.5 | 3.12 | -6654.38 | 13.1 | 0.00 | 0.000 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 22:00:00 | 89 | 50810.0 | 6697.5 | 3.12 | -6694.38 | 13.18 | 0.00 | -3.354 | 0.000000 |
| Vankusvade 220kV | 12/01/2020 22:15:00 | 90 | 50810.0 | 6672.5 | 3.12 | -6669.38 | 13.13 | 0.00 | 4.350 | 8142.984786 |
| Vankusvade 220kV | 12/01/2020 22:30:00 | 91 | 50810.0 | 6515.0 | 6.25 | -6508.75 | 12.81 | 0.00 | 5.215 | 14987.286348 |
| Vankusvade 220kV | 12/01/2020 22:45:00 | 92 | 50810.0 | 6512.5 | 3.12 | -6509.38 | 12.81 | 0.00 | 3.022 | 1467.277242 |
| Vankusvade 220kV | 12/01/2020 23:00:00 | 93 | 50810.0 | 6605.0 | 3.12 | -6601.88 | 12.99 | 0.00 | 3.022 | 3259.497277 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vankusvade 220kV | 12/01/2020 23:15:00 | 94 | 50810.0 | 6685.0 | 31.25 | -6653.75 | 13.1 | 0.00 | 2.152 | 3271.034236 |
| Vankusvade 220kV | 12/01/2020 23:30:00 | 95 | 50810.0 | 6655.0 | 59.38 | -6595.62 | 12.98 | 0.00 | 2.152 | 1865.894596 |
| Vankusvade 220kV | 12/01/2020 23:45:00 | 96 | 50810.0 | 6605.0 | 115.62 | -6489.38 | 12.77 | 0.00 | 2.152 | 2109.363997 |
| Vaspeth 132kV | 06/01/2020 00:00:00 | 1 | 49675.0 | 19817.5 | 19547.5 | -270.0 | 0.54 | 0.00 | 2.903 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 00:15:00 | 2 | 49675.0 | 19530.0 | 19460.62 | -69.38 | 0.14 | 0.00 | 0.000 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 00:30:00 | 3 | 49675.0 | 19167.5 | 17920.62 | -1246.88 | 2.51 | 0.00 | 0.000 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 00:45:00 | 4 | 49675.0 | 18967.5 | 16841.25 | -2126.25 | 4.28 | 0.00 | -0.984 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 01:00:00 | 5 | 49675.0 | 18672.5 | 16327.5 | -2345.0 | 4.72 | 0.00 | -3.541 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 01:15:00 | 6 | 49675.0 | 20567.5 | 16885.62 | -3681.88 | 7.41 | 0.00 | 3.222 | 88.393714 |
| Vaspeth 132kV | 06/01/2020 01:30:00 | 7 | 49675.0 | 20280.0 | 16536.25 | -3743.75 | 7.54 | 0.00 | 3.541 | 1010.372037 |
| Vaspeth 132kV | 06/01/2020 01:45:00 | 8 | 49675.0 | 19917.5 | 16570.0 | -3347.5 | 6.74 | 0.00 | 2.352 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 02:00:00 | 9 | 49675.0 | 19717.5 | 16449.38 | -3268.12 | 6.58 | 0.00 | 1.747 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 02:15:00 | 10 | 49675.0 | 19422.5 | 16384.38 | -3038.12 | 6.12 | 0.00 | 0.581 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 02:30:00 | 11 | 49675.0 | 19120.0 | 16035.0 | -3085.0 | 6.21 | 0.00 | -2.323 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 02:45:00 | 12 | 49675.0 | 20167.5 | 15265.0 | -4902.5 | 9.87 | 0.00 | 2.323 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 03:00:00 | 13 | 49675.0 | 20440.0 | 14871.88 | -5568.12 | 11.21 | 0.00 | 2.323 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 03:15:00 | 14 | 49675.0 | 20032.5 | 14296.25 | -5736.25 | 11.55 | 0.00 | -1.742 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 03:30:00 | 15 | 49675.0 | 19817.5 | 13343.12 | -6474.38 | 13.03 | 0.00 | 3.222 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 03:45:00 | 16 | 49675.0 | 19455.0 | 12425.62 | -7029.38 | 14.15 | 0.00 | 3.541 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 04:00:00 | 17 | 49675.0 | 19182.5 | 11481.88 | -7700.62 | 15.5 | 124.69 | 4.496 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 04:15:00 | 18 | 49675.0 | 18035.0 | 11267.5 | -6767.5 | 13.62 | 0.00 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vaspeth 132kV | 06/01/2020 04:30:00 | 19 | 49675.0 | 18002.5 | 10056.88 | -7945.62 | 16.0 | 247.19 | 3.859 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 04:45:00 | 20 | 49675.0 | 17637.5 | 9020.0 | -8617.5 | 17.35 | 583.13 | 4.815 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 05:00:00 | 21 | 49675.0 | 17410.0 | 7961.25 | -9448.75 | 19.02 | 998.75 | 3.859 | 4144.041390 |
| Vaspeth 132kV | 06/01/2020 05:15:00 | 22 | 49675.0 | 17057.5 | 7699.38 | -9358.12 | 18.84 | 953.44 | 6.407 | 7409.611027 |
| Vaspeth 132kV | 06/01/2020 05:30:00 | 23 | 49675.0 | 16752.5 | 8205.0 | -8547.5 | 17.21 | 548.13 | 6.496 | 10019.113201 |
| Vaspeth 132kV | 06/01/2020 05:45:00 | 24 | 49675.0 | 15700.0 | 8302.5 | -7397.5 | 14.89 | 0.00 | 7.492 | 4685.953988 |
| Vaspeth 132kV | 06/01/2020 06:00:00 | 25 | 49675.0 | 16617.5 | 7783.12 | -8834.38 | 17.78 | 691.57 | -5.452 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 06:15:00 | 26 | 49675.0 | 16357.5 | 6828.75 | -9528.75 | 19.18 | 1038.75 | -6.089 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 06:30:00 | 27 | 49675.0 | 15975.0 | 5675.62 | -10299.38 | 20.73 | 1424.07 | -7.044 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 06:45:00 | 28 | 49675.0 | 15707.5 | 5400.62 | -10306.88 | 20.75 | 1427.82 | 7.682 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 07:00:00 | 29 | 49675.0 | 15372.5 | 4841.88 | -10530.62 | 21.2 | 1539.69 | -3.859 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 07:15:00 | 30 | 49675.0 | 12515.0 | 4261.25 | -8253.75 | 16.62 | 401.25 | 4.815 | 4098.136332 |
| Vaspeth 132kV | 06/01/2020 07:30:00 | 31 | 49675.0 | 12185.0 | 3275.62 | -8909.38 | 17.94 | 729.07 | 4.178 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 07:45:00 | 32 | 49675.0 | 12120.0 | 2334.38 | -9785.62 | 19.7 | 1167.19 | -3.540 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 08:00:00 | 33 | 49675.0 | 12020.0 | 2340.0 | -9680.0 | 19.49 | 1114.38 | -3.859 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 08:15:00 | 34 | 49675.0 | 11905.0 | 2501.88 | -9403.12 | 18.93 | 975.94 | -5.452 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 08:30:00 | 35 | 49675.0 | 11890.0 | 3158.12 | -8731.88 | 17.58 | 640.32 | 4.178 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 08:45:00 | 36 | 49675.0 | 11900.0 | 2903.75 | -8996.25 | 18.11 | 772.50 | -3.859 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 09:00:00 | 37 | 49675.0 | 10420.0 | 1889.62 | -8530.38 | 17.17 | 539.57 | -6.407 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 09:15:00 | 38 | 49675.0 | 11597.5 | 1145.88 | -10451.62 | 21.04 | 1500.19 | -8.000 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 09:30:00 | 39 | 49675.0 | 8550.0 | -3.0 | -8553.0 | 17.22 | 550.88 | -5.770 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vaspeth 132kV | 06/01/2020 09:45:00 | 40 | 49675.0 | 8215.0 | -3.0 | -8218.0 | 16.54 | 383.38 | 3.222 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 10:00:00 | 41 | 49675.0 | 8127.5 | -3.0 | -8130.5 | 16.37 | 339.63 | -2.903 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 10:15:00 | 42 | 49675.0 | 7002.5 | -3.0 | -7005.5 | 14.1 | 0.00 | -3.222 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 10:30:00 | 43 | 49675.0 | 7115.0 | -3.0 | -7118.0 | 14.33 | 0.00 | 4.815 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 10:45:00 | 44 | 49675.0 | 6945.0 | -3.0 | -6948.0 | 13.99 | 0.00 | 4.496 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 11:00:00 | 45 | 49675.0 | 6812.5 | -3.0 | -6815.5 | 13.72 | 0.00 | 16.000 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 11:15:00 | 46 | 49675.0 | 7082.5 | -3.0 | -7085.5 | 14.26 | 0.00 | 5.133 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 11:30:00 | 47 | 49675.0 | 6837.5 | -3.0 | -6840.5 | 13.77 | 0.00 | 1.182 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 11:45:00 | 48 | 49675.0 | 6767.5 | -3.0 | -6770.5 | 13.63 | 0.00 | 6.308 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 12:00:00 | 49 | 49675.0 | 6625.0 | -3.0 | -6628.0 | 13.34 | 0.00 | 6.598 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 12:15:00 | 50 | 49675.0 | 6362.5 | -3.0 | -6365.5 | 12.81 | 0.00 | 5.431 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 12:30:00 | 51 | 49675.0 | 6365.0 | -3.0 | -6368.0 | 12.82 | 0.00 | 3.540 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 12:45:00 | 52 | 49675.0 | 6345.0 | -3.0 | -6348.0 | 12.78 | 0.00 | -2.903 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 13:00:00 | 53 | 49675.0 | 6740.0 | -3.0 | -6743.0 | 13.57 | 0.00 | -1.161 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 13:15:00 | 54 | 49675.0 | 6352.5 | -3.0 | -6355.5 | 12.79 | 0.00 | 3.859 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 13:30:00 | 55 | 49675.0 | 6577.5 | -3.0 | -6580.5 | 13.25 | 0.00 | -6.407 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 13:45:00 | 56 | 49675.0 | 6695.0 | -3.0 | -6698.0 | 13.48 | 0.00 | 5.452 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 14:00:00 | 57 | 49675.0 | 6470.0 | -3.0 | -6473.0 | 13.03 | 0.00 | 5.452 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 14:15:00 | 58 | 49675.0 | 6385.0 | -3.0 | -6388.0 | 12.86 | 0.00 | 16.000 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 14:30:00 | 59 | 49675.0 | 6280.0 | -3.0 | -6283.0 | 12.65 | 0.00 | 6.035 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 14:45:00 | 60 | 49675.0 | 6495.0 | -3.0 | -6498.0 | 13.08 | 0.00 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vaspeth 132kV | 06/01/2020 15:00:00 | 61 | 49675.0 | 6957.5 | -3.0 | -6960.5 | 14.01 | 0.00 | 3.367 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 15:15:00 | 62 | 49675.0 | 6642.5 | -3.0 | -6645.5 | 13.38 | 0.00 | 3.904 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 15:30:00 | 63 | 49675.0 | 6397.5 | -3.0 | -6400.5 | 12.88 | 0.00 | 4.482 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 15:45:00 | 64 | 49675.0 | 6712.5 | -3.0 | -6715.5 | 13.52 | 0.00 | 4.225 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 16:00:00 | 65 | 49675.0 | 6492.5 | -3.0 | -6495.5 | 13.08 | 0.00 | 2.895 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 16:15:00 | 66 | 49675.0 | 6620.0 | -3.0 | -6623.0 | 13.33 | 0.00 | 6.089 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 16:30:00 | 67 | 49675.0 | 6735.0 | -3.0 | -6738.0 | 13.56 | 0.00 | -8.000 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 16:45:00 | 68 | 49675.0 | 6265.0 | -3.0 | -6268.0 | 12.62 | 0.00 | -4.178 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 17:00:00 | 69 | 49675.0 | 6350.0 | -3.0 | -6353.0 | 12.79 | 0.00 | 1.742 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 17:15:00 | 70 | 49675.0 | 6610.0 | -3.0 | -6613.0 | 13.31 | 0.00 | 2.903 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 17:30:00 | 71 | 49675.0 | 6175.0 | -3.0 | -6178.0 | 12.44 | 0.00 | -4.178 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 17:45:00 | 72 | 49675.0 | 6605.0 | -3.0 | -6608.0 | 13.3 | 0.00 | -2.323 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 18:00:00 | 73 | 49675.0 | 6822.5 | -3.0 | -6825.5 | 13.74 | 0.00 | -2.903 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 18:15:00 | 74 | 49675.0 | 6390.0 | -3.0 | -6393.0 | 12.87 | 0.00 | 1.161 | 1662.560352 |
| Vaspeth 132kV | 06/01/2020 18:30:00 | 75 | 49675.0 | 6412.5 | -3.0 | -6415.5 | 12.91 | 0.00 | 2.903 | 5464.297127 |
| Vaspeth 132kV | 06/01/2020 18:45:00 | 76 | 49675.0 | 6647.5 | -3.0 | -6650.5 | 13.39 | 0.00 | 2.903 | 134.095498 |
| Vaspeth 132kV | 06/01/2020 19:00:00 | 77 | 49675.0 | 6770.0 | -3.0 | -6773.0 | 13.63 | 0.00 | -1.161 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 19:15:00 | 78 | 49675.0 | 6320.0 | -3.0 | -6323.0 | 12.73 | 0.00 | -4.178 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 19:30:00 | 79 | 49675.0 | 6417.5 | -3.0 | -6420.5 | 12.93 | 0.00 | -2.323 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 19:45:00 | 80 | 49675.0 | 6557.5 | -3.0 | -6560.5 | 13.21 | 0.00 | -4.178 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 20:00:00 | 81 | 49675.0 | 6582.5 | -3.0 | -6585.5 | 13.26 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vaspeth 132kV | 06/01/2020 20:15:00 | 82 | 49675.0 | 6470.0 | -3.0 | -6473.0 | 13.03 | 0.00 | -5.770 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 20:30:00 | 83 | 49675.0 | 6835.0 | -3.0 | -6838.0 | 13.77 | 0.00 | 5.770 | 931.699220 |
| Vaspeth 132kV | 06/01/2020 20:45:00 | 84 | 49675.0 | 6445.0 | -3.0 | -6448.0 | 12.98 | 0.00 | 4.178 | 2666.591990 |
| Vaspeth 132kV | 06/01/2020 21:00:00 | 85 | 49675.0 | 6790.0 | -3.0 | -6793.0 | 13.67 | 0.00 | 3.222 | 1486.155186 |
| Vaspeth 132kV | 06/01/2020 21:15:00 | 86 | 49675.0 | 6657.5 | -3.0 | -6660.5 | 13.41 | 0.00 | -1.742 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 21:30:00 | 87 | 49675.0 | 6715.0 | -3.0 | -6718.0 | 13.52 | 0.00 | 0.000 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 21:45:00 | 88 | 49675.0 | 6487.5 | -3.0 | -6490.5 | 13.07 | 0.00 | 1.161 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 22:00:00 | 89 | 49675.0 | 6532.5 | -3.0 | -6535.5 | 13.16 | 0.00 | 4.815 | 3826.712242 |
| Vaspeth 132kV | 06/01/2020 22:15:00 | 90 | 49675.0 | 6912.5 | -3.0 | -6915.5 | 13.92 | 0.00 | 3.859 | 4177.660782 |
| Vaspeth 132kV | 06/01/2020 22:30:00 | 91 | 49675.0 | 6492.5 | -3.0 | -6495.5 | 13.08 | 0.00 | 1.742 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 22:45:00 | 92 | 49675.0 | 6645.0 | -3.0 | -6648.0 | 13.38 | 0.00 | -2.323 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 23:00:00 | 93 | 49675.0 | 6315.0 | -3.0 | -6318.0 | 12.72 | 0.00 | -2.903 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 23:15:00 | 94 | 49675.0 | 6965.0 | -3.0 | -6968.0 | 14.03 | 0.00 | 2.323 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 23:30:00 | 95 | 49675.0 | 6435.0 | -3.0 | -6438.0 | 12.96 | 0.00 | -3.222 | 0.000000 |
| Vaspeth 132kV | 06/01/2020 23:45:00 | 96 | 49675.0 | 6627.5 | -3.0 | -6630.5 | 13.35 | 0.00 | 2.323 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 00:00:00 | 1 | 49675.0 | 8120.0 | 0.0 | -8120.0 | 16.35 | 334.38 | -0.549 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 00:15:00 | 2 | 49675.0 | 8325.0 | 0.0 | -8325.0 | 16.76 | 436.88 | -1.647 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 00:30:00 | 3 | 49675.0 | 8157.5 | 0.0 | -8157.5 | 16.42 | 353.13 | -3.073 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 00:45:00 | 4 | 49675.0 | 8190.0 | 0.0 | -8190.0 | 16.49 | 369.38 | -2.744 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 01:00:00 | 5 | 49675.0 | 13185.0 | 0.0 | -13185.0 | 26.54 | 3250.00 | -4.058 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 01:15:00 | 6 | 49675.0 | 13035.0 | 0.0 | -13035.0 | 26.24 | 3100.00 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vaspeth 132kV | 07/01/2020 01:30:00 | 7 | 49675.0 | 13392.5 | 0.0 | -13392.5 | 26.96 | 3457.50 | -3.401 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 01:45:00 | 8 | 49675.0 | 13190.0 | 0.0 | -13190.0 | 26.55 | 3255.00 | 3.730 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 02:00:00 | 9 | 49675.0 | 13397.5 | 0.0 | -13397.5 | 26.97 | 3462.50 | 3.073 | 2916.735596 |
| Vaspeth 132kV | 07/01/2020 02:15:00 | 10 | 49675.0 | 13315.0 | 0.0 | -13315.0 | 26.8 | 3380.00 | 3.073 | 1296.210964 |
| Vaspeth 132kV | 07/01/2020 02:30:00 | 11 | 49675.0 | 13127.5 | 0.0 | -13127.5 | 26.43 | 3192.50 | 3.401 | 1787.467515 |
| Vaspeth 132kV | 07/01/2020 02:45:00 | 12 | 49675.0 | 12372.5 | 0.0 | -12372.5 | 24.91 | 2460.63 | 2.745 | 1680.263905 |
| Vaspeth 132kV | 07/01/2020 03:00:00 | 13 | 49675.0 | 12090.0 | 0.0 | -12090.0 | 24.34 | 2319.38 | 1.647 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 03:15:00 | 14 | 49675.0 | 12267.5 | 0.0 | -12267.5 | 24.7 | 2408.13 | 2.196 | 786.993034 |
| Vaspeth 132kV | 07/01/2020 03:30:00 | 15 | 49675.0 | 12135.0 | 0.0 | -12135.0 | 24.43 | 2341.88 | 1.647 | 1035.730429 |
| Vaspeth 132kV | 07/01/2020 03:45:00 | 16 | 49675.0 | 12175.0 | 0.0 | -12175.0 | 24.51 | 2361.88 | 1.098 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 04:00:00 | 17 | 49675.0 | 12117.5 | 0.0 | -12117.5 | 24.39 | 2333.13 | 1.647 | 4437.427484 |
| Vaspeth 132kV | 07/01/2020 04:15:00 | 18 | 49675.0 | 12135.0 | 0.0 | -12135.0 | 24.43 | 2341.88 | 2.210 | 8688.151687 |
| Vaspeth 132kV | 07/01/2020 04:30:00 | 19 | 49675.0 | 12347.5 | 0.0 | -12347.5 | 24.86 | 2448.13 | 3.730 | 12483.221032 |
| Vaspeth 132kV | 07/01/2020 04:45:00 | 20 | 49675.0 | 12130.0 | 0.0 | -12130.0 | 24.42 | 2339.38 | -1.098 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 05:00:00 | 21 | 49675.0 | 12427.5 | 0.0 | -12427.5 | 25.02 | 2492.50 | -2.744 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 05:15:00 | 22 | 49675.0 | 12340.0 | 0.0 | -12340.0 | 24.84 | 2444.38 | 3.730 | 6339.285690 |
| Vaspeth 132kV | 07/01/2020 05:30:00 | 23 | 49675.0 | 12312.5 | 0.0 | -12312.5 | 24.79 | 2430.63 | 3.073 | 14209.859077 |
| Vaspeth 132kV | 07/01/2020 05:45:00 | 24 | 49675.0 | 12330.0 | 0.0 | -12330.0 | 24.82 | 2439.38 | 3.730 | 11054.585320 |
| Vaspeth 132kV | 07/01/2020 06:00:00 | 25 | 49675.0 | 12112.5 | 0.0 | -12112.5 | 24.38 | 2330.63 | -5.372 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 06:15:00 | 26 | 49675.0 | 12167.5 | 0.0 | -12167.5 | 24.49 | 2358.13 | 4.556 | 40543.300278 |
| Vaspeth 132kV | 07/01/2020 06:30:00 | 27 | 49675.0 | 12205.0 | 0.0 | -12205.0 | 24.57 | 2376.88 | 7.148 | 70412.953505 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vaspeth 132kV | 07/01/2020 06:45:00 | 28 | 49675.0 | 12332.5 | 0.0 | -12332.5 | 24.83 | 2440.63 | 7.821 | 65241.557499 |
| Vaspeth 132kV | 07/01/2020 07:00:00 | 29 | 49675.0 | 12045.0 | 0.0 | -12045.0 | 24.25 | 2296.88 | 5.372 | 32008.957141 |
| Vaspeth 132kV | 07/01/2020 07:15:00 | 30 | 49675.0 | 8390.0 | 0.0 | -8390.0 | 16.89 | 469.38 | 16.000 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 07:30:00 | 31 | 49675.0 | 8632.5 | 0.0 | -8632.5 | 17.38 | 590.63 | 9.296 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 07:45:00 | 32 | 49675.0 | 8400.0 | 0.0 | -8400.0 | 16.91 | 474.38 | 9.794 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 08:00:00 | 33 | 49675.0 | 8707.5 | 0.0 | -8707.5 | 17.53 | 628.13 | 3.593 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 08:15:00 | 34 | 49675.0 | 8530.0 | 0.0 | -8530.0 | 17.17 | 539.38 | 3.401 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 08:30:00 | 35 | 49675.0 | 8542.5 | 0.0 | -8542.5 | 17.2 | 545.63 | 3.245 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 08:45:00 | 36 | 49675.0 | 8480.0 | 0.0 | -8480.0 | 17.07 | 514.38 | 0.000 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 09:00:00 | 37 | 49675.0 | 9132.5 | 0.0 | -9132.5 | 18.38 | 840.63 | 2.745 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 09:15:00 | 38 | 49675.0 | 8925.0 | 0.0 | -8925.0 | 17.97 | 736.88 | 4.715 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 09:30:00 | 39 | 49675.0 | 8922.5 | 0.0 | -8922.5 | 17.96 | 735.63 | 3.981 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 09:45:00 | 40 | 49675.0 | 8917.5 | 0.0 | -8917.5 | 17.95 | 733.13 | 3.730 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 10:00:00 | 41 | 49675.0 | 8005.0 | 0.0 | -8005.0 | 16.11 | 276.88 | 1.780 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 10:15:00 | 42 | 49675.0 | 8087.5 | 0.0 | -8087.5 | 16.28 | 318.13 | 5.643 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 10:30:00 | 43 | 49675.0 | 8632.5 | 0.0 | -8632.5 | 17.38 | 590.63 | 4.976 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 10:45:00 | 44 | 49675.0 | 8750.0 | 0.0 | -8750.0 | 17.61 | 649.38 | 4.415 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 11:00:00 | 45 | 49675.0 | 8477.5 | 0.0 | -8477.5 | 17.07 | 513.13 | 4.476 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 11:15:00 | 46 | 49675.0 | 8362.5 | 0.0 | -8362.5 | 16.83 | 455.63 | 4.826 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 11:30:00 | 47 | 49675.0 | 8007.5 | 0.0 | -8007.5 | 16.12 | 278.13 | 2.289 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 11:45:00 | 48 | 49675.0 | 7782.5 | 0.0 | -7782.5 | 15.67 | 165.63 | -0.549 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vaspeth 132kV | 07/01/2020 12:00:00 | 49 | 49675.0 | 7492.5 | 0.0 | -7492.5 | 15.08 | 20.63 | 4.727 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 12:15:00 | 50 | 49675.0 | 7415.0 | 0.0 | -7415.0 | 14.93 | 0.00 | 4.777 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 12:30:00 | 51 | 49675.0 | 7460.0 | 0.0 | -7460.0 | 15.02 | 4.38 | 4.798 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 12:45:00 | 52 | 49675.0 | 7345.0 | 0.0 | -7345.0 | 14.79 | 0.00 | -3.401 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 13:00:00 | 53 | 49675.0 | 7555.0 | 0.0 | -7555.0 | 15.21 | 51.88 | -2.431 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 13:15:00 | 54 | 49675.0 | 7547.5 | 0.0 | -7547.5 | 15.19 | 48.13 | -4.387 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 13:30:00 | 55 | 49675.0 | 7635.0 | 0.0 | -7635.0 | 15.37 | 91.88 | -3.401 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 13:45:00 | 56 | 49675.0 | 7825.0 | 0.0 | -7825.0 | 15.75 | 186.88 | -5.044 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 14:00:00 | 57 | 49675.0 | 7340.0 | 0.0 | -7340.0 | 14.78 | 0.00 | 4.215 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 14:15:00 | 58 | 49675.0 | 7455.0 | 0.0 | -7455.0 | 15.01 | 1.88 | 9.552 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 14:30:00 | 59 | 49675.0 | 7320.0 | 0.0 | -7320.0 | 14.74 | 0.00 | 6.358 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 14:45:00 | 60 | 49675.0 | 7425.0 | 0.0 | -7425.0 | 14.95 | 0.00 | 2.744 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 15:00:00 | 61 | 49675.0 | 7310.0 | 0.0 | -7310.0 | 14.72 | 0.00 | -3.073 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 15:15:00 | 62 | 49675.0 | 7295.0 | 0.0 | -7295.0 | 14.69 | 0.00 | -4.058 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 15:30:00 | 63 | 49675.0 | 6845.0 | 0.0 | -6845.0 | 13.78 | 0.00 | -4.831 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 15:45:00 | 64 | 49675.0 | 7140.0 | 0.0 | -7140.0 | 14.37 | 0.00 | -5.372 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 16:00:00 | 65 | 49675.0 | 7042.5 | 0.0 | -7042.5 | 14.18 | 0.00 | 2.196 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 16:15:00 | 66 | 49675.0 | 7147.5 | 0.0 | -7147.5 | 14.39 | 0.00 | -3.401 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 16:30:00 | 67 | 49675.0 | 7140.0 | 0.0 | -7140.0 | 14.37 | 0.00 | 4.738 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 16:45:00 | 68 | 49675.0 | 6830.0 | 0.0 | -6830.0 | 13.75 | 0.00 | 7.343 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 17:00:00 | 69 | 49675.0 | 6955.0 | 0.0 | -6955.0 | 14.0 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vaspeth 132kV | 07/01/2020 17:15:00 | 70 | 49675.0 | 6952.5 | 0.0 | -6952.5 | 14.0 | 0.00 | 2.744 | 1156.521458 |
| Vaspeth 132kV | 07/01/2020 17:30:00 | 71 | 49675.0 | 6832.5 | 0.0 | -6832.5 | 13.75 | 0.00 | 3.401 | 451.146126 |
| Vaspeth 132kV | 07/01/2020 17:45:00 | 72 | 49675.0 | 7297.5 | 0.0 | -7297.5 | 14.69 | 0.00 | -2.745 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 18:00:00 | 73 | 49675.0 | 7127.5 | 0.0 | -7127.5 | 14.35 | 0.00 | -3.073 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 18:15:00 | 74 | 49675.0 | 6755.0 | 0.0 | -6755.0 | 13.6 | 0.00 | -5.372 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 18:30:00 | 75 | 49675.0 | 6977.5 | 0.0 | -6977.5 | 14.05 | 0.00 | 3.401 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 18:45:00 | 76 | 49675.0 | 7022.5 | 0.0 | -7022.5 | 14.14 | 0.00 | -3.401 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 19:00:00 | 77 | 49675.0 | 7352.5 | 0.0 | -7352.5 | 14.8 | 0.00 | -3.730 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 19:15:00 | 78 | 49675.0 | 6772.5 | 0.0 | -6772.5 | 13.63 | 0.00 | -4.715 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 19:30:00 | 79 | 49675.0 | 7087.5 | 0.0 | -7087.5 | 14.27 | 0.00 | -4.058 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 19:45:00 | 80 | 49675.0 | 6750.0 | 0.0 | -6750.0 | 13.59 | 0.00 | -2.210 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 20:00:00 | 81 | 49675.0 | 7237.5 | 0.0 | -7237.5 | 14.57 | 0.00 | -2.348 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 20:15:00 | 82 | 49675.0 | 7167.5 | 0.0 | -7167.5 | 14.43 | 0.00 | 4.387 | 11185.973166 |
| Vaspeth 132kV | 07/01/2020 20:30:00 | 83 | 49675.0 | 7187.5 | 0.0 | -7187.5 | 14.47 | 0.00 | 3.816 | 14667.452556 |
| Vaspeth 132kV | 07/01/2020 20:45:00 | 84 | 49675.0 | 7082.5 | 0.0 | -7082.5 | 14.26 | 0.00 | 3.401 | 3479.887426 |
| Vaspeth 132kV | 07/01/2020 21:00:00 | 85 | 49675.0 | 7225.0 | 0.0 | -7225.0 | 14.54 | 0.00 | -4.058 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 21:15:00 | 86 | 49675.0 | 7180.0 | 0.0 | -7180.0 | 14.45 | 0.00 | 1.647 | 3805.652042 |
| Vaspeth 132kV | 07/01/2020 21:30:00 | 87 | 49675.0 | 7170.0 | 0.0 | -7170.0 | 14.43 | 0.00 | 2.196 | 2286.398352 |
| Vaspeth 132kV | 07/01/2020 21:45:00 | 88 | 49675.0 | 6847.5 | 0.0 | -6847.5 | 13.78 | 0.00 | -2.196 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 22:00:00 | 89 | 49675.0 | 6902.5 | 0.0 | -6902.5 | 13.9 | 0.00 | -3.257 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 22:15:00 | 90 | 49675.0 | 7230.0 | 0.0 | -7230.0 | 14.55 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vaspeth 132kV | 07/01/2020 22:30:00 | 91 | 49675.0 | 7285.0 | 0.0 | -7285.0 | 14.67 | 0.00 | -1.098 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 22:45:00 | 92 | 49675.0 | 7250.0 | 0.0 | -7250.0 | 14.59 | 0.00 | -1.647 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 23:00:00 | 93 | 49675.0 | 6910.0 | 0.0 | -6910.0 | 13.91 | 0.00 | -3.401 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 23:15:00 | 94 | 49675.0 | 7300.0 | 0.0 | -7300.0 | 14.7 | 0.00 | 1.647 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 23:30:00 | 95 | 49675.0 | 7087.5 | 0.0 | -7087.5 | 14.27 | 0.00 | -2.196 | 0.000000 |
| Vaspeth 132kV | 07/01/2020 23:45:00 | 96 | 49675.0 | 7292.5 | 0.0 | -7292.5 | 14.68 | 0.00 | -0.549 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 00:00:00 | 1 | 49675.0 | 9812.5 | 0.0 | -9812.5 | 19.75 | 1180.63 | -2.220 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 00:15:00 | 2 | 49675.0 | 9690.0 | 0.0 | -9690.0 | 19.51 | 1119.38 | -3.101 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 00:30:00 | 3 | 49675.0 | 9760.0 | 0.0 | -9760.0 | 19.65 | 1154.38 | -3.101 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 00:45:00 | 4 | 49675.0 | 9790.0 | 0.0 | -9790.0 | 19.71 | 1169.38 | -2.424 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 01:00:00 | 5 | 49675.0 | 9727.5 | 0.0 | -9727.5 | 19.58 | 1138.13 | -2.170 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 01:15:00 | 6 | 49675.0 | 9567.5 | 0.0 | -9567.5 | 19.26 | 1058.13 | -1.761 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 01:30:00 | 7 | 49675.0 | 9892.5 | 0.0 | -9892.5 | 19.91 | 1220.63 | -1.665 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 01:45:00 | 8 | 49675.0 | 9715.0 | 0.0 | -9715.0 | 19.56 | 1131.88 | -1.665 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 02:00:00 | 9 | 49675.0 | 9797.5 | 0.0 | -9797.5 | 19.72 | 1173.13 | -1.110 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 02:15:00 | 10 | 49675.0 | 9865.0 | 0.0 | -9865.0 | 19.86 | 1206.88 | -1.347 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 02:30:00 | 11 | 49675.0 | 9672.5 | 0.0 | -9672.5 | 19.47 | 1110.63 | -3.101 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 02:45:00 | 12 | 49675.0 | 12322.5 | 0.0 | -12322.5 | 24.81 | 2435.63 | -2.220 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 03:00:00 | 13 | 49675.0 | 12112.5 | 0.0 | -12112.5 | 24.38 | 2330.63 | -3.428 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 03:15:00 | 14 | 49675.0 | 12117.5 | 0.0 | -12117.5 | 24.39 | 2333.13 | -2.220 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 03:30:00 | 15 | 49675.0 | 12235.0 | 0.0 | -12235.0 | 24.63 | 2391.88 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vaspeth 132kV | 08/01/2020 03:45:00 | 16 | 49675.0 | 12075.0 | 0.0 | -12075.0 | 24.31 | 2311.88 | -2.775 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 04:00:00 | 17 | 49675.0 | 12217.5 | 0.0 | -12217.5 | 24.59 | 2383.13 | -3.101 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 04:15:00 | 18 | 49675.0 | 12060.0 | 0.0 | -12060.0 | 24.28 | 2304.38 | -1.665 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 04:30:00 | 19 | 49675.0 | 12347.5 | 0.0 | -12347.5 | 24.86 | 2448.13 | -2.220 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 04:45:00 | 20 | 49675.0 | 12130.0 | 0.0 | -12130.0 | 24.42 | 2339.38 | -2.775 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 05:00:00 | 21 | 49675.0 | 12295.0 | 0.0 | -12295.0 | 24.75 | 2421.88 | -1.110 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 05:15:00 | 22 | 49675.0 | 12340.0 | 0.0 | -12340.0 | 24.84 | 2444.38 | 2.775 | 594.640616 |
| Vaspeth 132kV | 08/01/2020 05:30:00 | 23 | 49675.0 | 12312.5 | 0.0 | -12312.5 | 24.79 | 2430.63 | -3.428 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 05:45:00 | 24 | 49675.0 | 10922.5 | 0.0 | -10922.5 | 21.99 | 1735.63 | -2.775 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 06:00:00 | 25 | 49675.0 | 10862.5 | 0.0 | -10862.5 | 21.87 | 1705.63 | -2.220 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 06:15:00 | 26 | 49675.0 | 10917.5 | 0.0 | -10917.5 | 21.98 | 1733.13 | 2.220 | 2235.302782 |
| Vaspeth 132kV | 08/01/2020 06:30:00 | 27 | 49675.0 | 10955.0 | 0.0 | -10955.0 | 22.05 | 1751.88 | 5.387 | 19718.587279 |
| Vaspeth 132kV | 08/01/2020 06:45:00 | 28 | 49675.0 | 11082.5 | 0.0 | -11082.5 | 22.31 | 1815.63 | -4.734 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 07:00:00 | 29 | 49675.0 | 7295.0 | 0.0 | -7295.0 | 14.69 | 0.00 | -4.407 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 07:15:00 | 30 | 49675.0 | 7542.5 | 0.0 | -7542.5 | 15.18 | 45.63 | 5.061 | 13294.286502 |
| Vaspeth 132kV | 08/01/2020 07:30:00 | 31 | 49675.0 | 7440.0 | 0.0 | -7440.0 | 14.98 | 0.00 | 5.714 | 12547.561542 |
| Vaspeth 132kV | 08/01/2020 07:45:00 | 32 | 49675.0 | 7597.5 | 0.0 | -7597.5 | 15.29 | 73.13 | 5.061 | 5037.403787 |
| Vaspeth 132kV | 08/01/2020 08:00:00 | 33 | 49675.0 | 7540.0 | 0.0 | -7540.0 | 15.18 | 44.38 | 2.775 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 08:15:00 | 34 | 49675.0 | 7477.5 | 0.0 | -7477.5 | 15.05 | 13.13 | 2.775 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 08:30:00 | 35 | 49675.0 | 7317.5 | 0.0 | -7317.5 | 14.73 | 0.00 | 5.387 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 08:45:00 | 36 | 49675.0 | 7642.5 | 0.0 | -7642.5 | 15.39 | 95.63 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vaspeth 132kV | 08/01/2020 09:00:00 | 37 | 49675.0 | 7465.0 | 0.0 | -7465.0 | 15.03 | 6.88 | 7.673 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 09:15:00 | 38 | 49675.0 | 7547.5 | 0.0 | -7547.5 | 15.19 | 48.13 | 7.673 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 09:30:00 | 39 | 49675.0 | 7532.5 | 0.0 | -7532.5 | 15.16 | 40.63 | 3.101 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 09:45:00 | 40 | 49675.0 | 7377.5 | 0.0 | -7377.5 | 14.85 | 0.00 | -3.101 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 10:00:00 | 41 | 49675.0 | 7572.5 | 0.0 | -7572.5 | 15.24 | 60.63 | -3.101 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 10:15:00 | 42 | 49675.0 | 7365.0 | 0.0 | -7365.0 | 14.83 | 0.00 | -3.101 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 10:30:00 | 43 | 49675.0 | 7367.5 | 0.0 | -7367.5 | 14.83 | 0.00 | -1.665 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 10:45:00 | 44 | 49675.0 | 7485.0 | 0.0 | -7485.0 | 15.07 | 16.88 | 0.000 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 11:00:00 | 45 | 49675.0 | 7325.0 | 0.0 | -7325.0 | 14.75 | 0.00 | -1.486 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 11:15:00 | 46 | 49675.0 | 7467.5 | 0.0 | -7467.5 | 15.03 | 8.13 | -1.305 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 11:30:00 | 47 | 49675.0 | 7310.0 | 0.0 | -7310.0 | 14.72 | 0.00 | -2.425 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 11:45:00 | 48 | 49675.0 | 7597.5 | 0.0 | -7597.5 | 15.29 | 73.13 | -2.775 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 12:00:00 | 49 | 49675.0 | 7380.0 | 0.0 | -7380.0 | 14.86 | 0.00 | -2.083 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 12:15:00 | 50 | 49675.0 | 7522.5 | 0.0 | -7522.5 | 15.14 | 35.63 | -3.242 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 12:30:00 | 51 | 49675.0 | 7667.5 | 0.0 | -7667.5 | 15.44 | 108.13 | -1.330 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 12:45:00 | 52 | 49675.0 | 7512.5 | 0.0 | -7512.5 | 15.12 | 30.63 | -0.830 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 13:00:00 | 53 | 49675.0 | 7397.5 | 0.0 | -7397.5 | 14.89 | 0.00 | 2.775 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 13:15:00 | 54 | 49675.0 | 7412.5 | 0.0 | -7412.5 | 14.92 | 0.00 | 0.000 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 13:30:00 | 55 | 49675.0 | 7312.5 | 0.0 | -7312.5 | 14.72 | 0.00 | -1.012 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 13:45:00 | 56 | 49675.0 | 7532.5 | 0.0 | -7532.5 | 15.16 | 40.63 | -1.087 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 14:00:00 | 57 | 49675.0 | 7532.5 | 0.0 | -7532.5 | 15.16 | 40.63 | -3.101 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vaspeth 132kV | 08/01/2020 14:15:00 | 58 | 49675.0 | 6912.5 | 0.0 | -6912.5 | 13.92 | 0.00 | -4.081 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 14:30:00 | 59 | 49675.0 | 6997.5 | 0.0 | -6997.5 | 14.09 | 0.00 | -2.996 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 14:45:00 | 60 | 49675.0 | 6990.0 | 0.0 | -6990.0 | 14.07 | 0.00 | -3.101 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 15:00:00 | 61 | 49675.0 | 7310.0 | 0.0 | -7310.0 | 14.72 | 0.00 | -1.879 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 15:15:00 | 62 | 49675.0 | 7295.0 | 0.0 | -7295.0 | 14.69 | 0.00 | -4.081 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 15:30:00 | 63 | 49675.0 | 6845.0 | 0.0 | -6845.0 | 13.78 | 0.00 | 4.938 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 15:45:00 | 64 | 49675.0 | 7140.0 | 0.0 | -7140.0 | 14.37 | 0.00 | 4.719 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 16:00:00 | 65 | 49675.0 | 7042.5 | 0.0 | -7042.5 | 14.18 | 0.00 | 0.555 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 16:15:00 | 66 | 49675.0 | 7147.5 | 0.0 | -7147.5 | 14.39 | 0.00 | -4.081 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 16:30:00 | 67 | 49675.0 | 7140.0 | 0.0 | -7140.0 | 14.37 | 0.00 | -3.754 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 16:45:00 | 68 | 49675.0 | 6830.0 | 0.0 | -6830.0 | 13.75 | 0.00 | -8.000 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 17:00:00 | 69 | 49675.0 | 6955.0 | 0.0 | -6955.0 | 14.0 | 0.00 | 0.000 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 17:15:00 | 70 | 49675.0 | 6952.5 | 0.0 | -6952.5 | 14.0 | 0.00 | 4.081 | 1333.665954 |
| Vaspeth 132kV | 08/01/2020 17:30:00 | 71 | 49675.0 | 6832.5 | 0.0 | -6832.5 | 13.75 | 0.00 | -5.387 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 17:45:00 | 72 | 49675.0 | 7297.5 | 0.0 | -7297.5 | 14.69 | 0.00 | -3.101 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 18:00:00 | 73 | 49675.0 | 7127.5 | 0.0 | -7127.5 | 14.35 | 0.00 | -2.775 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 18:15:00 | 74 | 49675.0 | 6755.0 | 0.0 | -6755.0 | 13.6 | 0.00 | -3.101 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 18:30:00 | 75 | 49675.0 | 6977.5 | 0.0 | -6977.5 | 14.05 | 0.00 | -2.220 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 18:45:00 | 76 | 49675.0 | 7022.5 | 0.0 | -7022.5 | 14.14 | 0.00 | 2.220 | 5535.657906 |
| Vaspeth 132kV | 08/01/2020 19:00:00 | 77 | 49675.0 | 7352.5 | 0.0 | -7352.5 | 14.8 | 0.00 | 1.110 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 19:15:00 | 78 | 49675.0 | 6772.5 | 0.0 | -6772.5 | 13.63 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vaspeth 132kV | 08/01/2020 19:30:00 | 79 | 49675.0 | 7087.5 | 0.0 | -7087.5 | 14.27 | 0.00 | -2.220 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 19:45:00 | 80 | 49675.0 | 6750.0 | 0.0 | -6750.0 | 13.59 | 0.00 | -0.555 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 20:00:00 | 81 | 49675.0 | 7237.5 | 0.0 | -7237.5 | 14.57 | 0.00 | 2.775 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 20:15:00 | 82 | 49675.0 | 7167.5 | 0.0 | -7167.5 | 14.43 | 0.00 | 3.101 | 11984.643785 |
| Vaspeth 132kV | 08/01/2020 20:30:00 | 83 | 49675.0 | 7187.5 | 0.0 | -7187.5 | 14.47 | 0.00 | 4.408 | 16281.188271 |
| Vaspeth 132kV | 08/01/2020 20:45:00 | 84 | 49675.0 | 7082.5 | 0.0 | -7082.5 | 14.26 | 0.00 | 3.101 | 4634.787579 |
| Vaspeth 132kV | 08/01/2020 21:00:00 | 85 | 49675.0 | 7225.0 | 0.0 | -7225.0 | 14.54 | 0.00 | 3.101 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 21:15:00 | 86 | 49675.0 | 7180.0 | 0.0 | -7180.0 | 14.45 | 0.00 | -0.555 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 21:30:00 | 87 | 49675.0 | 7170.0 | 0.0 | -7170.0 | 14.43 | 0.00 | -1.110 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 21:45:00 | 88 | 49675.0 | 6847.5 | 0.0 | -6847.5 | 13.78 | 0.00 | -1.110 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 22:00:00 | 89 | 49675.0 | 6902.5 | 0.0 | -6902.5 | 13.9 | 0.00 | -2.489 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 22:15:00 | 90 | 49675.0 | 10480.0 | 0.0 | -10480.0 | 21.1 | 1514.38 | -2.775 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 22:30:00 | 91 | 49675.0 | 10535.0 | 0.0 | -10535.0 | 21.21 | 1541.88 | -2.223 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 22:45:00 | 92 | 49675.0 | 10500.0 | 0.0 | -10500.0 | 21.14 | 1524.38 | 1.110 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 23:00:00 | 93 | 49675.0 | 10160.0 | 0.0 | -10160.0 | 20.45 | 1354.38 | 1.110 | 1084.691786 |
| Vaspeth 132kV | 08/01/2020 23:15:00 | 94 | 49675.0 | 10550.0 | 0.0 | -10550.0 | 21.24 | 1549.38 | 1.110 | 0.000000 |
| Vaspeth 132kV | 08/01/2020 23:30:00 | 95 | 49675.0 | 10337.5 | 0.0 | -10337.5 | 20.81 | 1443.13 | 2.775 | 93.973244 |
| Vaspeth 132kV | 08/01/2020 23:45:00 | 96 | 49675.0 | 10542.5 | 0.0 | -10542.5 | 21.22 | 1545.63 | 0.000 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 00:00:00 | 1 | 49675.0 | 8237.5 | 0.0 | -8237.5 | 16.58 | 393.13 | -0.576 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 00:15:00 | 2 | 49675.0 | 8227.5 | 0.0 | -8227.5 | 16.56 | 388.13 | -1.727 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 00:30:00 | 3 | 49675.0 | 8272.5 | 0.0 | -8272.5 | 16.65 | 410.63 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vaspeth 132kV | 09/01/2020 00:45:00 | 4 | 49675.0 | 8335.0 | 0.0 | -8335.0 | 16.78 | 441.88 | -2.879 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 01:00:00 | 5 | 49675.0 | 8490.0 | 0.0 | -8490.0 | 17.09 | 519.38 | -3.519 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 01:15:00 | 6 | 49675.0 | 8182.5 | 0.0 | -8182.5 | 16.47 | 365.63 | -3.519 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 01:30:00 | 7 | 49675.0 | 7105.0 | 0.0 | -7105.0 | 14.3 | 0.00 | -3.199 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 01:45:00 | 8 | 49675.0 | 7220.0 | 0.0 | -7220.0 | 14.53 | 0.00 | 3.519 | 1754.369953 |
| Vaspeth 132kV | 09/01/2020 02:00:00 | 9 | 49675.0 | 6952.5 | 0.0 | -6952.5 | 14.0 | 0.00 | 3.519 | 7654.062333 |
| Vaspeth 132kV | 09/01/2020 02:15:00 | 10 | 49675.0 | 7152.5 | 0.0 | -7152.5 | 14.4 | 0.00 | 2.879 | 3453.493849 |
| Vaspeth 132kV | 09/01/2020 02:30:00 | 11 | 49675.0 | 6910.0 | 0.0 | -6910.0 | 13.91 | 0.00 | 3.199 | 4800.288406 |
| Vaspeth 132kV | 09/01/2020 02:45:00 | 12 | 49675.0 | 7210.0 | 0.0 | -7210.0 | 14.51 | 0.00 | 1.152 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 03:00:00 | 13 | 49675.0 | 7050.0 | 0.0 | -7050.0 | 14.19 | 0.00 | -2.879 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 03:15:00 | 14 | 49675.0 | 6942.5 | 0.0 | -6942.5 | 13.98 | 0.00 | -3.839 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 03:30:00 | 15 | 49675.0 | 7145.0 | 0.0 | -7145.0 | 14.38 | 0.00 | 3.199 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 03:45:00 | 16 | 49675.0 | 7212.5 | 0.0 | -7212.5 | 14.52 | 0.00 | 0.000 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 04:00:00 | 17 | 49675.0 | 7060.0 | 0.0 | -7060.0 | 14.21 | 0.00 | 1.727 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 04:15:00 | 18 | 49675.0 | 6000.0 | 0.0 | -6000.0 | 12.08 | 0.00 | 1.727 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 04:30:00 | 19 | 49675.0 | 5552.5 | 0.0 | -5552.5 | 11.18 | 0.00 | 1.727 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 04:45:00 | 20 | 49675.0 | 5775.0 | 0.0 | -5775.0 | 11.63 | 0.00 | 2.879 | 4976.952983 |
| Vaspeth 132kV | 09/01/2020 05:00:00 | 21 | 49675.0 | 7007.5 | 0.0 | -7007.5 | 14.11 | 0.00 | 3.839 | 3497.994901 |
| Vaspeth 132kV | 09/01/2020 05:15:00 | 22 | 49675.0 | 7122.5 | 0.0 | -7122.5 | 14.34 | 0.00 | 5.119 | 10053.428561 |
| Vaspeth 132kV | 09/01/2020 05:30:00 | 23 | 49675.0 | 7167.5 | 0.0 | -7167.5 | 14.43 | 0.00 | 4.064 | 18437.704904 |
| Vaspeth 132kV | 09/01/2020 05:45:00 | 24 | 49675.0 | 7045.0 | 0.0 | -7045.0 | 14.18 | 0.00 | 1.152 | 49.701361 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vaspeth 132kV | 09/01/2020 06:00:00 | 25 | 49675.0 | 7325.0 | 0.0 | -7325.0 | 14.75 | 0.00 | -2.303 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 06:15:00 | 26 | 49675.0 | 7000.0 | 0.0 | -7000.0 | 14.09 | 0.00 | 2.303 | 4656.043567 |
| Vaspeth 132kV | 09/01/2020 06:30:00 | 27 | 49675.0 | 7100.0 | 0.0 | -7100.0 | 14.29 | 0.00 | -3.839 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 06:45:00 | 28 | 49675.0 | 7100.0 | 0.0 | -7100.0 | 14.29 | 0.00 | -2.879 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 07:00:00 | 29 | 49675.0 | 6980.0 | 0.0 | -6980.0 | 14.05 | 0.00 | -2.879 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 07:15:00 | 30 | 49675.0 | 7365.0 | 0.0 | -7365.0 | 14.83 | 0.00 | 6.400 | 3664.137074 |
| Vaspeth 132kV | 09/01/2020 07:30:00 | 31 | 49675.0 | 7075.0 | 0.0 | -7075.0 | 14.24 | 0.00 | 1.172 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 07:45:00 | 32 | 49675.0 | 6997.5 | 0.0 | -6997.5 | 14.09 | 0.00 | 0.576 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 08:00:00 | 33 | 49675.0 | 7107.5 | 0.0 | -7107.5 | 14.31 | 0.00 | -0.576 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 08:15:00 | 34 | 49675.0 | 6942.5 | 0.0 | -6942.5 | 13.98 | 0.00 | -1.152 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 08:30:00 | 35 | 49675.0 | 7235.0 | 0.0 | -7235.0 | 14.56 | 0.00 | 0.576 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 08:45:00 | 36 | 49675.0 | 7140.0 | 0.0 | -7140.0 | 14.37 | 0.00 | 0.000 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 09:00:00 | 37 | 49675.0 | 7187.5 | 0.0 | -7187.5 | 14.47 | 0.00 | 1.152 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 09:15:00 | 38 | 49675.0 | 6910.0 | 0.0 | -6910.0 | 13.91 | 0.00 | 1.727 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 09:30:00 | 39 | 49675.0 | 7192.5 | 0.0 | -7192.5 | 14.48 | 0.00 | -3.839 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 09:45:00 | 40 | 49675.0 | 6877.5 | 0.0 | -6877.5 | 13.84 | 0.00 | -1.152 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 10:00:00 | 41 | 49675.0 | 7065.0 | 0.0 | -7065.0 | 14.22 | 0.00 | 0.000 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 10:15:00 | 42 | 49675.0 | 7295.0 | 0.0 | -7295.0 | 14.69 | 0.00 | 1.727 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 10:30:00 | 43 | 49675.0 | 6867.5 | 0.0 | -6867.5 | 13.82 | 0.00 | 2.303 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 10:45:00 | 44 | 49675.0 | 7240.0 | 0.0 | -7240.0 | 14.57 | 0.00 | -1.144 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 11:00:00 | 45 | 49675.0 | 6835.0 | 0.0 | -6835.0 | 13.76 | 0.00 | -4.479 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vaspeth 132kV | 09/01/2020 11:15:00 | 46 | 49675.0 | 7357.5 | 0.0 | -7357.5 | 14.81 | 0.00 | -3.519 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 11:30:00 | 47 | 49675.0 | 7100.0 | 0.0 | -7100.0 | 14.29 | 0.00 | -2.303 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 11:45:00 | 48 | 49675.0 | 6907.5 | 0.0 | -6907.5 | 13.91 | 0.00 | -0.576 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 12:00:00 | 49 | 49675.0 | 6965.0 | 0.0 | -6965.0 | 14.02 | 0.00 | 0.000 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 12:15:00 | 50 | 49675.0 | 7157.5 | 0.0 | -7157.5 | 14.41 | 0.00 | 3.839 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 12:30:00 | 51 | 49675.0 | 7240.0 | 0.0 | -7240.0 | 14.57 | 0.00 | 3.199 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 12:45:00 | 52 | 49675.0 | 7155.0 | 0.0 | -7155.0 | 14.4 | 0.00 | 3.199 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 13:00:00 | 53 | 49675.0 | 6810.0 | 0.0 | -6810.0 | 13.71 | 0.00 | -1.152 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 13:15:00 | 54 | 49675.0 | 7035.0 | 0.0 | -7035.0 | 14.16 | 0.00 | -1.152 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 13:30:00 | 55 | 49675.0 | 7105.0 | 0.0 | -7105.0 | 14.3 | 0.00 | 1.727 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 13:45:00 | 56 | 49675.0 | 7262.5 | 0.0 | -7262.5 | 14.62 | 0.00 | 3.199 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 14:00:00 | 57 | 49675.0 | 7210.0 | 0.0 | -7210.0 | 14.51 | 0.00 | 4.345 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 14:15:00 | 58 | 49675.0 | 6862.5 | 0.0 | -6862.5 | 13.81 | 0.00 | 3.941 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 14:30:00 | 59 | 49675.0 | 7375.0 | 0.0 | -7375.0 | 14.85 | 0.00 | 1.152 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 14:45:00 | 60 | 49675.0 | 6957.5 | 0.0 | -6957.5 | 14.01 | 0.00 | -0.576 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 15:00:00 | 61 | 49675.0 | 7230.0 | 0.0 | -7230.0 | 14.55 | 0.00 | -1.006 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 15:15:00 | 62 | 49675.0 | 6990.0 | 0.0 | -6990.0 | 14.07 | 0.00 | 3.199 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 15:30:00 | 63 | 49675.0 | 7027.5 | 0.0 | -7027.5 | 14.15 | 0.00 | 2.879 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 15:45:00 | 64 | 49675.0 | 7250.0 | 0.0 | -7250.0 | 14.59 | 0.00 | 3.839 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 16:00:00 | 65 | 49675.0 | 7160.0 | 0.0 | -7160.0 | 14.41 | 0.00 | 1.727 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 16:15:00 | 66 | 49675.0 | 7212.5 | 0.0 | -7212.5 | 14.52 | 0.00 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vaspeth 132kV | 09/01/2020 16:30:00 | 67 | 49675.0 | 6917.5 | 0.0 | -6917.5 | 13.93 | 0.00 | -4.159 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 16:45:00 | 68 | 49675.0 | 7142.5 | 0.0 | -7142.5 | 14.38 | 0.00 | 3.839 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 17:00:00 | 69 | 49675.0 | 7165.0 | 0.0 | -7165.0 | 14.42 | 0.00 | 1.727 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 17:15:00 | 70 | 49675.0 | 7015.0 | 0.0 | -7015.0 | 14.12 | 0.00 | 3.839 | 2411.166148 |
| Vaspeth 132kV | 09/01/2020 17:30:00 | 71 | 49675.0 | 7092.5 | 0.0 | -7092.5 | 14.28 | 0.00 | -2.879 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 17:45:00 | 72 | 49675.0 | 7122.5 | 0.0 | -7122.5 | 14.34 | 0.00 | -4.146 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 18:00:00 | 73 | 49675.0 | 7262.5 | 0.0 | -7262.5 | 14.62 | 0.00 | -3.349 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 18:15:00 | 74 | 49675.0 | 6940.0 | 0.0 | -6940.0 | 13.97 | 0.00 | -4.563 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 18:30:00 | 75 | 49675.0 | 7062.5 | 0.0 | -7062.5 | 14.22 | 0.00 | -3.839 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 18:45:00 | 76 | 49675.0 | 6900.0 | 0.0 | -6900.0 | 13.89 | 0.00 | -2.879 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 19:00:00 | 77 | 49675.0 | 7207.5 | 0.0 | -7207.5 | 14.51 | 0.00 | -3.199 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 19:15:00 | 78 | 49675.0 | 6830.0 | 0.0 | -6830.0 | 13.75 | 0.00 | -1.727 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 19:30:00 | 79 | 49675.0 | 7110.0 | 0.0 | -7110.0 | 14.31 | 0.00 | -1.442 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 19:45:00 | 80 | 49675.0 | 7007.5 | 0.0 | -7007.5 | 14.11 | 0.00 | -0.286 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 20:00:00 | 81 | 49675.0 | 6927.5 | 0.0 | -6927.5 | 13.95 | 0.00 | -1.070 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 20:15:00 | 82 | 49675.0 | 7127.5 | 0.0 | -7127.5 | 14.35 | 0.00 | -2.236 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 20:30:00 | 83 | 49675.0 | 7132.5 | 0.0 | -7132.5 | 14.36 | 0.00 | -4.799 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 20:45:00 | 84 | 49675.0 | 7135.0 | 0.0 | -7135.0 | 14.36 | 0.00 | -1.727 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 21:00:00 | 85 | 49675.0 | 7067.5 | 0.0 | -7067.5 | 14.23 | 0.00 | -1.727 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 21:15:00 | 86 | 49675.0 | 7065.0 | 0.0 | -7065.0 | 14.22 | 0.00 | 1.152 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 21:30:00 | 87 | 49675.0 | 7015.0 | 0.0 | -7015.0 | 14.12 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vaspeth 132kV | 09/01/2020 21:45:00 | 88 | 49675.0 | 7070.0 | 0.0 | -7070.0 | 14.23 | 0.00 | -2.303 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 22:00:00 | 89 | 49675.0 | 6952.5 | 0.0 | -6952.5 | 14.0 | 0.00 | -2.795 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 22:15:00 | 90 | 49675.0 | 7277.5 | 0.0 | -7277.5 | 14.65 | 0.00 | -3.674 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 22:30:00 | 91 | 49675.0 | 8605.0 | 0.0 | -8605.0 | 17.32 | 576.88 | -2.303 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 22:45:00 | 92 | 49675.0 | 8902.5 | 0.0 | -8902.5 | 17.92 | 725.63 | -1.152 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 23:00:00 | 93 | 49675.0 | 9100.0 | 0.0 | -9100.0 | 18.32 | 824.38 | 0.000 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 23:15:00 | 94 | 49675.0 | 9442.5 | 0.0 | -9442.5 | 19.01 | 995.63 | -0.576 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 23:30:00 | 95 | 49675.0 | 9650.0 | 0.0 | -9650.0 | 19.43 | 1099.38 | -0.576 | 0.000000 |
| Vaspeth 132kV | 09/01/2020 23:45:00 | 96 | 49675.0 | 9935.0 | 0.0 | -9935.0 | 20.0 | 1241.88 | -0.987 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 00:00:00 | 1 | 49675.0 | 8237.5 | 0.0 | -8237.5 | 16.58 | 393.13 | -0.680 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 00:15:00 | 2 | 49675.0 | 9555.0 | 0.0 | -9555.0 | 19.24 | 1051.88 | -3.326 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 00:30:00 | 3 | 49675.0 | 9562.5 | 0.0 | -9562.5 | 19.25 | 1055.63 | -2.992 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 00:45:00 | 4 | 49675.0 | 9587.5 | 0.0 | -9587.5 | 19.3 | 1068.13 | -0.532 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 01:00:00 | 5 | 49675.0 | 9350.0 | 0.0 | -9350.0 | 18.82 | 949.38 | -0.713 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 01:15:00 | 6 | 49675.0 | 9315.0 | 0.0 | -9315.0 | 18.75 | 931.88 | -0.548 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 01:30:00 | 7 | 49675.0 | 13800.0 | 0.0 | -13800.0 | 27.78 | 3865.00 | -2.658 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 01:45:00 | 8 | 49675.0 | 13637.5 | 0.0 | -13637.5 | 27.45 | 3702.50 | 2.127 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 02:00:00 | 9 | 49675.0 | 13547.5 | 0.0 | -13547.5 | 27.27 | 3612.50 | 5.342 | 26544.562530 |
| Vaspeth 132kV | 10/01/2020 02:15:00 | 10 | 49675.0 | 13215.0 | 0.0 | -13215.0 | 26.6 | 3280.00 | 1.595 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 02:30:00 | 11 | 49675.0 | 13545.0 | 0.0 | -13545.0 | 27.27 | 3610.00 | 3.326 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 02:45:00 | 12 | 49675.0 | 13617.5 | 0.0 | -13617.5 | 27.41 | 3682.50 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vaspeth 132kV | 10/01/2020 03:00:00 | 13 | 49675.0 | 13277.5 | 0.0 | -13277.5 | 26.73 | 3342.50 | 2.658 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 03:15:00 | 14 | 49675.0 | 13142.5 | 0.0 | -13142.5 | 26.46 | 3207.50 | 2.127 | 2083.911319 |
| Vaspeth 132kV | 10/01/2020 03:30:00 | 15 | 49675.0 | 12940.0 | 0.0 | -12940.0 | 26.05 | 3005.00 | 2.127 | 2432.599574 |
| Vaspeth 132kV | 10/01/2020 03:45:00 | 16 | 49675.0 | 12770.0 | 0.0 | -12770.0 | 25.71 | 2835.00 | -1.063 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 04:00:00 | 17 | 49675.0 | 12735.0 | 0.0 | -12735.0 | 25.64 | 2800.00 | 1.595 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 04:15:00 | 18 | 49675.0 | 12497.5 | 0.0 | -12497.5 | 25.16 | 2562.50 | 3.326 | 7431.499883 |
| Vaspeth 132kV | 10/01/2020 04:30:00 | 19 | 49675.0 | 10827.5 | 0.0 | -10827.5 | 21.8 | 1688.13 | 3.326 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 04:45:00 | 20 | 49675.0 | 10737.5 | 0.0 | -10737.5 | 21.62 | 1643.13 | 2.127 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 05:00:00 | 21 | 49675.0 | 10390.0 | 0.0 | -10390.0 | 20.92 | 1469.38 | 2.992 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 05:15:00 | 22 | 49675.0 | 10267.5 | 0.0 | -10267.5 | 20.67 | 1408.13 | 1.063 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 05:30:00 | 23 | 49675.0 | 10230.0 | 0.0 | -10230.0 | 20.59 | 1389.38 | -2.658 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 05:45:00 | 24 | 49675.0 | 10197.5 | 0.0 | -10197.5 | 20.53 | 1373.13 | 2.127 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 06:00:00 | 25 | 49675.0 | 9990.0 | 0.0 | -9990.0 | 20.11 | 1269.38 | -2.127 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 06:15:00 | 26 | 49675.0 | 9767.5 | 0.0 | -9767.5 | 19.66 | 1158.13 | 2.658 | 2477.906744 |
| Vaspeth 132kV | 10/01/2020 06:30:00 | 27 | 49675.0 | 9515.0 | 0.0 | -9515.0 | 19.15 | 1031.88 | -2.992 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 06:45:00 | 28 | 49675.0 | 9327.5 | 0.0 | -9327.5 | 18.78 | 938.13 | -3.077 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 07:00:00 | 29 | 49675.0 | 9105.0 | 0.0 | -9105.0 | 18.33 | 826.88 | -0.687 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 07:15:00 | 30 | 49675.0 | 9235.0 | 0.0 | -9235.0 | 18.59 | 891.88 | -2.658 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 07:30:00 | 31 | 49675.0 | 8315.0 | 0.0 | -8315.0 | 16.74 | 431.88 | -1.063 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 07:45:00 | 32 | 49675.0 | 8157.5 | 0.0 | -8157.5 | 16.42 | 353.13 | -2.658 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 08:00:00 | 33 | 49675.0 | 8105.0 | 0.0 | -8105.0 | 16.32 | 326.88 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vaspeth 132kV | 10/01/2020 08:15:00 | 34 | 49675.0 | 8047.5 | 0.0 | -8047.5 | 16.2 | 298.13 | -4.661 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 08:30:00 | 35 | 49675.0 | 7822.5 | 0.0 | -7822.5 | 15.75 | 185.63 | 5.663 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 08:45:00 | 36 | 49675.0 | 7805.0 | 0.0 | -7805.0 | 15.71 | 176.88 | 4.328 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 09:00:00 | 37 | 49675.0 | 7800.0 | 0.0 | -7800.0 | 15.7 | 174.38 | -4.995 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 09:15:00 | 38 | 49675.0 | 7117.5 | 0.0 | -7117.5 | 14.33 | 0.00 | -4.327 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 09:30:00 | 39 | 49675.0 | 7517.5 | 0.0 | -7517.5 | 15.13 | 33.13 | -2.127 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 09:45:00 | 40 | 49675.0 | 7250.0 | 0.0 | -7250.0 | 14.59 | 0.00 | -1.152 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 10:00:00 | 41 | 49675.0 | 7112.5 | 0.0 | -7112.5 | 14.32 | 0.00 | 0.000 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 10:15:00 | 42 | 49675.0 | 7432.5 | 0.0 | -7432.5 | 14.96 | 0.00 | -0.532 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 10:30:00 | 43 | 49675.0 | 7137.5 | 0.0 | -7137.5 | 14.37 | 0.00 | -1.063 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 10:45:00 | 44 | 49675.0 | 7507.5 | 0.0 | -7507.5 | 15.11 | 28.13 | 0.000 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 11:00:00 | 45 | 49675.0 | 6900.0 | 0.0 | -6900.0 | 13.89 | 0.00 | 2.658 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 11:15:00 | 46 | 49675.0 | 7475.0 | 0.0 | -7475.0 | 15.05 | 11.88 | 0.000 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 11:30:00 | 47 | 49675.0 | 7475.0 | 0.0 | -7475.0 | 15.05 | 11.88 | -1.595 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 11:45:00 | 48 | 49675.0 | 6970.0 | 0.0 | -6970.0 | 14.03 | 0.00 | 2.992 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 12:00:00 | 49 | 49675.0 | 7180.0 | 0.0 | -7180.0 | 14.45 | 0.00 | 0.000 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 12:15:00 | 50 | 49675.0 | 7162.5 | 0.0 | -7162.5 | 14.42 | 0.00 | 2.127 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 12:30:00 | 51 | 49675.0 | 7437.5 | 0.0 | -7437.5 | 14.97 | 0.00 | 1.595 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 12:45:00 | 52 | 49675.0 | 7107.5 | 0.0 | -7107.5 | 14.31 | 0.00 | -1.063 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 13:00:00 | 53 | 49675.0 | 6957.5 | 0.0 | -6957.5 | 14.01 | 0.00 | 2.658 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 13:15:00 | 54 | 49675.0 | 6995.0 | 0.0 | -6995.0 | 14.08 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vaspeth 132kV | 10/01/2020 13:30:00 | 55 | 49675.0 | 7362.5 | 0.0 | -7362.5 | 14.82 | 0.00 | 2.127 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 13:45:00 | 56 | 49675.0 | 7362.5 | 0.0 | -7362.5 | 14.82 | 0.00 | -3.326 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 14:00:00 | 57 | 49675.0 | 7492.5 | 0.0 | -7492.5 | 15.08 | 20.63 | -2.992 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 14:15:00 | 58 | 49675.0 | 7057.5 | 0.0 | -7057.5 | 14.21 | 0.00 | 3.660 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 14:30:00 | 59 | 49675.0 | 7532.5 | 0.0 | -7532.5 | 15.16 | 40.63 | -2.127 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 14:45:00 | 60 | 49675.0 | 7050.0 | 0.0 | -7050.0 | 14.19 | 0.00 | -2.127 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 15:00:00 | 61 | 49675.0 | 7387.5 | 0.0 | -7387.5 | 14.87 | 0.00 | 0.000 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 15:15:00 | 62 | 49675.0 | 7137.5 | 0.0 | -7137.5 | 14.37 | 0.00 | -2.992 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 15:30:00 | 63 | 49675.0 | 6987.5 | 0.0 | -6987.5 | 14.07 | 0.00 | -4.995 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 15:45:00 | 64 | 49675.0 | 7507.5 | 0.0 | -7507.5 | 15.11 | 28.13 | -4.327 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 16:00:00 | 65 | 49675.0 | 7260.0 | 0.0 | -7260.0 | 14.61 | 0.00 | -4.995 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 16:15:00 | 66 | 49675.0 | 7530.0 | 0.0 | -7530.0 | 15.16 | 39.38 | -8.000 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 16:30:00 | 67 | 49675.0 | 7045.0 | 0.0 | -7045.0 | 14.18 | 0.00 | -8.000 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 16:45:00 | 68 | 49675.0 | 7292.5 | 0.0 | -7292.5 | 14.68 | 0.00 | 4.327 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 17:00:00 | 69 | 49675.0 | 7202.5 | 0.0 | -7202.5 | 14.5 | 0.00 | 0.532 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 17:15:00 | 70 | 49675.0 | 7380.0 | 0.0 | -7380.0 | 14.86 | 0.00 | -1.595 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 17:30:00 | 71 | 49675.0 | 7075.0 | 0.0 | -7075.0 | 14.24 | 0.00 | -2.658 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 17:45:00 | 72 | 49675.0 | 7372.5 | 0.0 | -7372.5 | 14.84 | 0.00 | -2.127 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 18:00:00 | 73 | 49675.0 | 7457.5 | 0.0 | -7457.5 | 15.01 | 3.13 | -1.461 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 18:15:00 | 74 | 49675.0 | 6897.5 | 0.0 | -6897.5 | 13.89 | 0.00 | 3.326 | 2423.893218 |
| Vaspeth 132kV | 10/01/2020 18:30:00 | 75 | 49675.0 | 7272.5 | 0.0 | -7272.5 | 14.64 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vaspeth 132kV | 10/01/2020 18:45:00 | 76 | 49675.0 | 7070.0 | 0.0 | -7070.0 | 14.23 | 0.00 | 3.994 | 1180.155432 |
| Vaspeth 132kV | 10/01/2020 19:00:00 | 77 | 49675.0 | 7530.0 | 0.0 | -7530.0 | 15.16 | 39.38 | -2.127 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 19:15:00 | 78 | 49675.0 | 7005.0 | 0.0 | -7005.0 | 14.1 | 0.00 | -2.658 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 19:30:00 | 79 | 49675.0 | 7155.0 | 0.0 | -7155.0 | 14.4 | 0.00 | -3.660 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 19:45:00 | 80 | 49675.0 | 6955.0 | 0.0 | -6955.0 | 14.0 | 0.00 | -3.326 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 20:00:00 | 81 | 49675.0 | 7305.0 | 0.0 | -7305.0 | 14.71 | 0.00 | 3.660 | 1780.731453 |
| Vaspeth 132kV | 10/01/2020 20:15:00 | 82 | 49675.0 | 7345.0 | 0.0 | -7345.0 | 14.79 | 0.00 | 3.660 | 7689.124355 |
| Vaspeth 132kV | 10/01/2020 20:30:00 | 83 | 49675.0 | 7420.0 | 0.0 | -7420.0 | 14.94 | 0.00 | 4.995 | 11027.314655 |
| Vaspeth 132kV | 10/01/2020 20:45:00 | 84 | 49675.0 | 7150.0 | 0.0 | -7150.0 | 14.39 | 0.00 | 2.992 | 7514.146236 |
| Vaspeth 132kV | 10/01/2020 21:00:00 | 85 | 49675.0 | 7430.0 | 0.0 | -7430.0 | 14.96 | 0.00 | -3.660 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 21:15:00 | 86 | 49675.0 | 7247.5 | 0.0 | -7247.5 | 14.59 | 0.00 | -1.595 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 21:30:00 | 87 | 49675.0 | 7347.5 | 0.0 | -7347.5 | 14.79 | 0.00 | -1.063 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 21:45:00 | 88 | 49675.0 | 7080.0 | 0.0 | -7080.0 | 14.25 | 0.00 | -0.532 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 22:00:00 | 89 | 49675.0 | 6970.0 | 0.0 | -6970.0 | 14.03 | 0.00 | -1.595 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 22:15:00 | 90 | 49675.0 | 7435.0 | 0.0 | -7435.0 | 14.97 | 0.00 | -2.127 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 22:30:00 | 91 | 49675.0 | 7352.5 | 0.0 | -7352.5 | 14.8 | 0.00 | 1.063 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 22:45:00 | 92 | 49675.0 | 7427.5 | 0.0 | -7427.5 | 14.95 | 0.00 | -2.658 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 23:00:00 | 93 | 49675.0 | 7242.5 | 0.0 | -7242.5 | 14.58 | 0.00 | -2.658 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 23:15:00 | 94 | 49675.0 | 7252.5 | 0.0 | -7252.5 | 14.6 | 0.00 | 0.000 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 23:30:00 | 95 | 49675.0 | 7145.0 | 0.0 | -7145.0 | 14.38 | 0.00 | 0.000 | 0.000000 |
| Vaspeth 132kV | 10/01/2020 23:45:00 | 96 | 49675.0 | 7362.5 | 0.0 | -7362.5 | 14.82 | 0.00 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vaspeth 132kV | 11/01/2020 00:00:00 | 1 | 49675.0 | 7320.0 | 0.0 | -7320.0 | 14.74 | 0.00 | 0.000 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 00:15:00 | 2 | 49675.0 | 6925.0 | 0.0 | -6925.0 | 13.94 | 0.00 | -2.629 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 00:30:00 | 3 | 49675.0 | 7120.0 | 0.0 | -7120.0 | 14.33 | 0.00 | -1.577 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 00:45:00 | 4 | 49675.0 | 6952.5 | 0.0 | -6952.5 | 14.0 | 0.00 | 2.103 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 01:00:00 | 5 | 49675.0 | 6977.5 | 0.0 | -6977.5 | 14.05 | 0.00 | 2.964 | 3278.121116 |
| Vaspeth 132kV | 11/01/2020 01:15:00 | 6 | 49675.0 | 7080.0 | 0.0 | -7080.0 | 14.25 | 0.00 | 1.052 | 466.938892 |
| Vaspeth 132kV | 11/01/2020 01:30:00 | 7 | 49675.0 | 7102.5 | 0.0 | -7102.5 | 14.3 | 0.00 | 1.577 | 833.974054 |
| Vaspeth 132kV | 11/01/2020 01:45:00 | 8 | 49675.0 | 6907.5 | 0.0 | -6907.5 | 13.91 | 0.00 | -0.526 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 02:00:00 | 9 | 49675.0 | 7237.5 | 0.0 | -7237.5 | 14.57 | 0.00 | -0.403 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 02:15:00 | 10 | 49675.0 | 7225.0 | 0.0 | -7225.0 | 14.54 | 0.00 | -0.630 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 02:30:00 | 11 | 49675.0 | 6970.0 | 0.0 | -6970.0 | 14.03 | 0.00 | -0.526 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 02:45:00 | 12 | 49675.0 | 9127.5 | 0.0 | -9127.5 | 18.37 | 838.13 | -0.526 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 03:00:00 | 13 | 49675.0 | 9235.0 | 0.0 | -9235.0 | 18.59 | 891.88 | -1.051 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 03:15:00 | 14 | 49675.0 | 9367.5 | 0.0 | -9367.5 | 18.86 | 958.13 | 0.000 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 03:30:00 | 15 | 49675.0 | 9362.5 | 0.0 | -9362.5 | 18.85 | 955.63 | 0.000 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 03:45:00 | 16 | 49675.0 | 9385.0 | 0.0 | -9385.0 | 18.89 | 966.88 | 0.000 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 04:00:00 | 17 | 49675.0 | 9420.0 | 0.0 | -9420.0 | 18.96 | 984.38 | 0.000 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 04:15:00 | 18 | 49675.0 | 9697.5 | 0.0 | -9697.5 | 19.52 | 1123.13 | -1.051 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 04:30:00 | 19 | 49675.0 | 9672.5 | 0.0 | -9672.5 | 19.47 | 1110.63 | -2.964 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 04:45:00 | 20 | 49675.0 | 9652.5 | 0.0 | -9652.5 | 19.43 | 1100.63 | -3.300 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 05:00:00 | 21 | 49675.0 | 9505.0 | 0.0 | -9505.0 | 19.13 | 1026.88 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vaspeth 132kV | 11/01/2020 05:15:00 | 22 | 49675.0 | 9417.5 | 0.0 | -9417.5 | 18.96 | 983.13 | 5.314 | 11800.073329 |
| Vaspeth 132kV | 11/01/2020 05:30:00 | 23 | 49675.0 | 9245.0 | 0.0 | -9245.0 | 18.61 | 896.88 | 2.964 | 5597.397359 |
| Vaspeth 132kV | 11/01/2020 05:45:00 | 24 | 49675.0 | 8905.0 | 0.0 | -8905.0 | 17.93 | 726.88 | 2.103 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 06:00:00 | 25 | 49675.0 | 8985.0 | 0.0 | -8985.0 | 18.09 | 766.88 | 3.636 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 06:15:00 | 26 | 49675.0 | 9087.5 | 0.0 | -9087.5 | 18.29 | 818.13 | 2.964 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 06:30:00 | 27 | 49675.0 | 9035.0 | 0.0 | -9035.0 | 18.19 | 791.88 | 4.105 | 6637.386002 |
| Vaspeth 132kV | 11/01/2020 06:45:00 | 28 | 49675.0 | 8922.5 | 0.0 | -8922.5 | 17.96 | 735.63 | 5.650 | 1379.885212 |
| Vaspeth 132kV | 11/01/2020 07:00:00 | 29 | 49675.0 | 8785.0 | 0.0 | -8785.0 | 17.68 | 666.88 | 3.300 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 07:15:00 | 30 | 49675.0 | 8710.0 | 0.0 | -8710.0 | 17.53 | 629.38 | 5.314 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 07:30:00 | 31 | 49675.0 | 8347.5 | 0.0 | -8347.5 | 16.8 | 448.13 | 2.964 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 07:45:00 | 32 | 49675.0 | 8382.5 | 0.0 | -8382.5 | 16.87 | 465.63 | 2.103 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 08:00:00 | 33 | 49675.0 | 8375.0 | 0.0 | -8375.0 | 16.86 | 461.88 | -1.577 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 08:15:00 | 34 | 49675.0 | 8317.5 | 0.0 | -8317.5 | 16.74 | 433.13 | 3.300 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 08:30:00 | 35 | 49675.0 | 8410.0 | 0.0 | -8410.0 | 16.93 | 479.38 | 2.116 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 08:45:00 | 36 | 49675.0 | 7810.0 | 0.0 | -7810.0 | 15.72 | 179.38 | 2.964 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 09:00:00 | 37 | 49675.0 | 7877.5 | 0.0 | -7877.5 | 15.86 | 213.13 | 6.681 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 09:15:00 | 38 | 49675.0 | 7737.5 | 0.0 | -7737.5 | 15.58 | 143.13 | 6.657 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 09:30:00 | 39 | 49675.0 | 6977.5 | 0.0 | -6977.5 | 14.05 | 0.00 | -6.322 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 09:45:00 | 40 | 49675.0 | 6972.5 | 0.0 | -6972.5 | 14.04 | 0.00 | -2.103 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 10:00:00 | 41 | 49675.0 | 7192.5 | 0.0 | -7192.5 | 14.48 | 0.00 | 0.526 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 10:15:00 | 42 | 49675.0 | 6975.0 | 0.0 | -6975.0 | 14.04 | 0.00 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vaspeth 132kV | 11/01/2020 10:30:00 | 43 | 49675.0 | 7147.5 | 0.0 | -7147.5 | 14.39 | 0.00 | 0.000 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 10:45:00 | 44 | 49675.0 | 7090.0 | 0.0 | -7090.0 | 14.27 | 0.00 | 0.000 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 11:00:00 | 45 | 49675.0 | 7160.0 | 0.0 | -7160.0 | 14.41 | 0.00 | 0.000 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 11:15:00 | 46 | 49675.0 | 6812.5 | 0.0 | -6812.5 | 13.71 | 0.00 | -2.964 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 11:30:00 | 47 | 49675.0 | 7162.5 | 0.0 | -7162.5 | 14.42 | 0.00 | -4.307 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 11:45:00 | 48 | 49675.0 | 6995.0 | 0.0 | -6995.0 | 14.08 | 0.00 | -3.300 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 12:00:00 | 49 | 49675.0 | 7275.0 | 0.0 | -7275.0 | 14.65 | 0.00 | -0.526 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 12:15:00 | 50 | 49675.0 | 7075.0 | 0.0 | -7075.0 | 14.24 | 0.00 | -2.103 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 12:30:00 | 51 | 49675.0 | 7022.5 | 0.0 | -7022.5 | 14.14 | 0.00 | -2.629 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 12:45:00 | 52 | 49675.0 | 7175.0 | 0.0 | -7175.0 | 14.44 | 0.00 | -2.629 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 13:00:00 | 53 | 49675.0 | 7315.0 | 0.0 | -7315.0 | 14.73 | 0.00 | 0.000 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 13:15:00 | 54 | 49675.0 | 7067.5 | 0.0 | -7067.5 | 14.23 | 0.00 | -2.103 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 13:30:00 | 55 | 49675.0 | 7220.0 | 0.0 | -7220.0 | 14.53 | 0.00 | 2.629 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 13:45:00 | 56 | 49675.0 | 7077.5 | 0.0 | -7077.5 | 14.25 | 0.00 | 2.103 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 14:00:00 | 57 | 49675.0 | 7105.0 | 0.0 | -7105.0 | 14.3 | 0.00 | 1.051 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 14:15:00 | 58 | 49675.0 | 7170.0 | 0.0 | -7170.0 | 14.43 | 0.00 | 3.300 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 14:30:00 | 59 | 49675.0 | 6902.5 | 0.0 | -6902.5 | 13.9 | 0.00 | -3.636 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 14:45:00 | 60 | 49675.0 | 7145.0 | 0.0 | -7145.0 | 14.38 | 0.00 | 4.979 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 15:00:00 | 61 | 49675.0 | 7100.0 | 0.0 | -7100.0 | 14.29 | 0.00 | -2.964 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 15:15:00 | 62 | 49675.0 | 7397.5 | 0.0 | -7397.5 | 14.89 | 0.00 | -5.314 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 15:30:00 | 63 | 49675.0 | 6942.5 | 0.0 | -6942.5 | 13.98 | 0.00 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vaspeth 132kV | 11/01/2020 15:45:00 | 64 | 49675.0 | 7222.5 | 0.0 | -7222.5 | 14.54 | 0.00 | 4.643 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 16:00:00 | 65 | 49675.0 | 6805.0 | 0.0 | -6805.0 | 13.7 | 0.00 | 2.103 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 16:15:00 | 66 | 49675.0 | 7095.0 | 0.0 | -7095.0 | 14.28 | 0.00 | -2.964 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 16:30:00 | 67 | 49675.0 | 7280.0 | 0.0 | -7280.0 | 14.66 | 0.00 | -2.103 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 16:45:00 | 68 | 49675.0 | 6880.0 | 0.0 | -6880.0 | 13.85 | 0.00 | 3.972 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 17:00:00 | 69 | 49675.0 | 6992.5 | 0.0 | -6992.5 | 14.08 | 0.00 | -1.577 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 17:15:00 | 70 | 49675.0 | 6945.0 | 0.0 | -6945.0 | 13.98 | 0.00 | -1.577 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 17:30:00 | 71 | 49675.0 | 7080.0 | 0.0 | -7080.0 | 14.25 | 0.00 | 1.051 | 90.336159 |
| Vaspeth 132kV | 11/01/2020 17:45:00 | 72 | 49675.0 | 6957.5 | 0.0 | -6957.5 | 14.01 | 0.00 | -2.103 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 18:00:00 | 73 | 49675.0 | 7090.0 | 0.0 | -7090.0 | 14.27 | 0.00 | -2.964 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 18:15:00 | 74 | 49675.0 | 6775.0 | 0.0 | -6775.0 | 13.64 | 0.00 | -2.629 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 18:30:00 | 75 | 49675.0 | 7240.0 | 0.0 | -7240.0 | 14.57 | 0.00 | 2.103 | 254.504055 |
| Vaspeth 132kV | 11/01/2020 18:45:00 | 76 | 49675.0 | 7015.0 | 0.0 | -7015.0 | 14.12 | 0.00 | 0.526 | 722.031720 |
| Vaspeth 132kV | 11/01/2020 19:00:00 | 77 | 49675.0 | 7385.0 | 0.0 | -7385.0 | 14.87 | 0.00 | 2.103 | 3018.962539 |
| Vaspeth 132kV | 11/01/2020 19:15:00 | 78 | 49675.0 | 6827.5 | 0.0 | -6827.5 | 13.74 | 0.00 | -1.052 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 19:30:00 | 79 | 49675.0 | 6995.0 | 0.0 | -6995.0 | 14.08 | 0.00 | 2.964 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 19:45:00 | 80 | 49675.0 | 6977.5 | 0.0 | -6977.5 | 14.05 | 0.00 | 2.629 | 5190.121986 |
| Vaspeth 132kV | 11/01/2020 20:00:00 | 81 | 49675.0 | 7230.0 | 0.0 | -7230.0 | 14.55 | 0.00 | 2.629 | 1175.820069 |
| Vaspeth 132kV | 11/01/2020 20:15:00 | 82 | 49675.0 | 7195.0 | 0.0 | -7195.0 | 14.48 | 0.00 | 4.307 | 3858.501020 |
| Vaspeth 132kV | 11/01/2020 20:30:00 | 83 | 49675.0 | 7075.0 | 0.0 | -7075.0 | 14.24 | 0.00 | 2.964 | 9728.203594 |
| Vaspeth 132kV | 11/01/2020 20:45:00 | 84 | 49675.0 | 7147.5 | 0.0 | -7147.5 | 14.39 | 0.00 | 2.629 | 8436.214751 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vaspeth 132kV | 11/01/2020 21:00:00 | 85 | 49675.0 | 7127.5 | 0.0 | -7127.5 | 14.35 | 0.00 | 3.636 | 1527.908133 |
| Vaspeth 132kV | 11/01/2020 21:15:00 | 86 | 49675.0 | 7040.0 | 0.0 | -7040.0 | 14.17 | 0.00 | -1.577 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 21:30:00 | 87 | 49675.0 | 7157.5 | 0.0 | -7157.5 | 14.41 | 0.00 | -1.577 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 21:45:00 | 88 | 49675.0 | 7152.5 | 0.0 | -7152.5 | 14.4 | 0.00 | -1.052 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 22:00:00 | 89 | 49675.0 | 6985.0 | 0.0 | -6985.0 | 14.06 | 0.00 | -5.650 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 22:15:00 | 90 | 49675.0 | 7147.5 | 0.0 | -7147.5 | 14.39 | 0.00 | -5.650 | 0.000000 |
| Vaspeth 132kV | 11/01/2020 22:30:00 | 91 | 49675.0 | 7167.5 | 0.0 | -7167.5 | 14.43 | 0.00 | 4.979 | 3455.857569 |
| Vaspeth 132kV | 11/01/2020 22:45:00 | 92 | 49675.0 | 7145.0 | 0.0 | -7145.0 | 14.38 | 0.00 | 2.964 | 4486.937608 |
| Vaspeth 132kV | 11/01/2020 23:00:00 | 93 | 49675.0 | 6997.5 | 0.0 | -6997.5 | 14.09 | 0.00 | 1.577 | 1094.183280 |
| Vaspeth 132kV | 11/01/2020 23:15:00 | 94 | 49675.0 | 6907.5 | 0.0 | -6907.5 | 13.91 | 0.00 | 1.074 | 883.467175 |
| Vaspeth 132kV | 11/01/2020 23:30:00 | 95 | 49675.0 | 7110.0 | 0.0 | -7110.0 | 14.31 | 0.00 | 2.113 | 4098.832696 |
| Vaspeth 132kV | 11/01/2020 23:45:00 | 96 | 49675.0 | 7195.0 | 0.0 | -7195.0 | 14.48 | 0.00 | 2.162 | 5347.355373 |
| Vaspeth 132kV | 12/01/2020 00:00:00 | 1 | 49675.0 | 7320.0 | 0.0 | -7320.0 | 14.74 | 0.00 | 3.022 | 4502.296560 |
| Vaspeth 132kV | 12/01/2020 00:15:00 | 2 | 49675.0 | 6925.0 | 0.0 | -6925.0 | 13.94 | 0.00 | -2.152 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 00:30:00 | 3 | 49675.0 | 7120.0 | 0.0 | -7120.0 | 14.33 | 0.00 | -2.152 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 00:45:00 | 4 | 49675.0 | 6952.5 | 0.0 | -6952.5 | 14.0 | 0.00 | -3.022 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 01:00:00 | 5 | 49675.0 | 6977.5 | 0.0 | -6977.5 | 14.05 | 0.00 | -0.629 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 01:15:00 | 6 | 49675.0 | 7080.0 | 0.0 | -7080.0 | 14.25 | 0.00 | -3.317 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 01:30:00 | 7 | 49675.0 | 7102.5 | 0.0 | -7102.5 | 14.3 | 0.00 | -3.354 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 01:45:00 | 8 | 49675.0 | 6907.5 | 0.0 | -6907.5 | 13.91 | 0.00 | -3.022 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 02:00:00 | 9 | 49675.0 | 7237.5 | 0.0 | -7237.5 | 14.57 | 0.00 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vaspeth 132kV | 12/01/2020 02:15:00 | 10 | 49675.0 | 7225.0 | 0.0 | -7225.0 | 14.54 | 0.00 | -3.022 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 02:30:00 | 11 | 49675.0 | 6970.0 | 0.0 | -6970.0 | 14.03 | 0.00 | -2.690 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 02:45:00 | 12 | 49675.0 | 9627.5 | 0.0 | -9627.5 | 19.38 | 1088.13 | -3.022 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 03:00:00 | 13 | 49675.0 | 9572.5 | 0.0 | -9572.5 | 19.27 | 1060.63 | 3.354 | 4532.454694 |
| Vaspeth 132kV | 12/01/2020 03:15:00 | 14 | 49675.0 | 9325.0 | 0.0 | -9325.0 | 18.77 | 936.88 | 3.022 | 5414.701030 |
| Vaspeth 132kV | 12/01/2020 03:30:00 | 15 | 49675.0 | 9202.5 | 0.0 | -9202.5 | 18.53 | 875.63 | 3.354 | 1981.938849 |
| Vaspeth 132kV | 12/01/2020 03:45:00 | 16 | 49675.0 | 9205.0 | 0.0 | -9205.0 | 18.53 | 876.88 | 2.152 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 04:00:00 | 17 | 49675.0 | 9180.0 | 0.0 | -9180.0 | 18.48 | 864.38 | -2.152 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 04:15:00 | 18 | 49675.0 | 9677.5 | 0.0 | -9677.5 | 19.48 | 1113.13 | -3.022 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 04:30:00 | 19 | 49675.0 | 8617.5 | 0.0 | -8617.5 | 17.35 | 583.13 | 1.076 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 04:45:00 | 20 | 49675.0 | 8432.5 | 0.0 | -8432.5 | 16.98 | 490.63 | -3.022 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 05:00:00 | 21 | 49675.0 | 8102.5 | 0.0 | -8102.5 | 16.31 | 325.63 | 3.686 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 05:15:00 | 22 | 49675.0 | 7962.5 | 0.0 | -7962.5 | 16.03 | 255.63 | 3.686 | 8784.791770 |
| Vaspeth 132kV | 12/01/2020 05:30:00 | 23 | 49675.0 | 7972.5 | 0.0 | -7972.5 | 16.05 | 260.63 | -1.614 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 05:45:00 | 24 | 49675.0 | 7997.5 | 0.0 | -7997.5 | 16.1 | 273.13 | -0.496 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 06:00:00 | 25 | 49675.0 | 7865.0 | 0.0 | -7865.0 | 15.83 | 206.88 | 0.000 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 06:15:00 | 26 | 49675.0 | 7890.0 | 0.0 | -7890.0 | 15.88 | 219.38 | -0.430 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 06:30:00 | 27 | 49675.0 | 7457.5 | 0.0 | -7457.5 | 15.01 | 3.13 | -2.152 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 06:45:00 | 28 | 49675.0 | 7310.0 | 0.0 | -7310.0 | 14.72 | 0.00 | 4.681 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 07:00:00 | 29 | 49675.0 | 7375.0 | 0.0 | -7375.0 | 14.85 | 0.00 | 1.614 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 07:15:00 | 30 | 49675.0 | 8402.5 | 0.0 | -8402.5 | 16.91 | 475.63 | 3.838 | 6954.383082 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vaspeth 132kV | 12/01/2020 07:30:00 | 31 | 49675.0 | 8610.0 | 0.0 | -8610.0 | 17.33 | 579.38 | 3.022 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 07:45:00 | 32 | 49675.0 | 8407.5 | 0.0 | -8407.5 | 16.93 | 478.13 | 2.690 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 08:00:00 | 33 | 49675.0 | 8357.5 | 0.0 | -8357.5 | 16.82 | 453.13 | -2.690 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 08:15:00 | 34 | 49675.0 | 8605.0 | 0.0 | -8605.0 | 17.32 | 576.88 | -4.018 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 08:30:00 | 35 | 49675.0 | 8400.0 | 0.0 | -8400.0 | 16.91 | 474.38 | -2.690 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 08:45:00 | 36 | 49675.0 | 8322.5 | 0.0 | -8322.5 | 16.75 | 435.63 | 3.022 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 09:00:00 | 37 | 49675.0 | 8267.5 | 0.0 | -8267.5 | 16.64 | 408.13 | -3.354 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 09:15:00 | 38 | 49675.0 | 7422.5 | 0.0 | -7422.5 | 14.94 | 0.00 | -4.350 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 09:30:00 | 39 | 49675.0 | 7135.0 | 0.0 | -7135.0 | 14.36 | 0.00 | 2.152 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 09:45:00 | 40 | 49675.0 | 7080.0 | 0.0 | -7080.0 | 14.25 | 0.00 | -2.690 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 10:00:00 | 41 | 49675.0 | 7022.5 | 0.0 | -7022.5 | 14.14 | 0.00 | -3.354 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 10:15:00 | 42 | 49675.0 | 6977.5 | 0.0 | -6977.5 | 14.05 | 0.00 | -3.686 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 10:30:00 | 43 | 49675.0 | 7030.0 | 0.0 | -7030.0 | 14.15 | 0.00 | -1.614 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 10:45:00 | 44 | 49675.0 | 7137.5 | 0.0 | -7137.5 | 14.37 | 0.00 | 3.686 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 11:00:00 | 45 | 49675.0 | 7060.0 | 0.0 | -7060.0 | 14.21 | 0.00 | -3.354 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 11:15:00 | 46 | 49675.0 | 6957.5 | 0.0 | -6957.5 | 14.01 | 0.00 | -5.450 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 11:30:00 | 47 | 49675.0 | 6972.5 | 0.0 | -6972.5 | 14.04 | 0.00 | -6.009 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 11:45:00 | 48 | 49675.0 | 7102.5 | 0.0 | -7102.5 | 14.3 | 0.00 | 2.690 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 12:00:00 | 49 | 49675.0 | 7225.0 | 0.0 | -7225.0 | 14.54 | 0.00 | 3.686 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 12:15:00 | 50 | 49675.0 | 7207.5 | 0.0 | -7207.5 | 14.51 | 0.00 | -5.345 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 12:30:00 | 51 | 49675.0 | 7067.5 | 0.0 | -7067.5 | 14.23 | 0.00 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vaspeth 132kV | 12/01/2020 12:45:00 | 52 | 49675.0 | 7182.5 | 0.0 | -7182.5 | 14.46 | 0.00 | -5.345 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 13:00:00 | 53 | 49675.0 | 7257.5 | 0.0 | -7257.5 | 14.61 | 0.00 | -3.999 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 13:15:00 | 54 | 49675.0 | 7067.5 | 0.0 | -7067.5 | 14.23 | 0.00 | -4.350 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 13:30:00 | 55 | 49675.0 | 7220.0 | 0.0 | -7220.0 | 14.53 | 0.00 | -1.076 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 13:45:00 | 56 | 49675.0 | 7077.5 | 0.0 | -7077.5 | 14.25 | 0.00 | -2.690 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 14:00:00 | 57 | 49675.0 | 7105.0 | 0.0 | -7105.0 | 14.3 | 0.00 | -0.538 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 14:15:00 | 58 | 49675.0 | 7170.0 | 0.0 | -7170.0 | 14.43 | 0.00 | -2.152 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 14:30:00 | 59 | 49675.0 | 6902.5 | 0.0 | -6902.5 | 13.9 | 0.00 | -2.690 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 14:45:00 | 60 | 49675.0 | 7145.0 | 0.0 | -7145.0 | 14.38 | 0.00 | -1.076 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 15:00:00 | 61 | 49675.0 | 7100.0 | 0.0 | -7100.0 | 14.29 | 0.00 | 0.000 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 15:15:00 | 62 | 49675.0 | 7397.5 | 0.0 | -7397.5 | 14.89 | 0.00 | -2.690 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 15:30:00 | 63 | 49675.0 | 6942.5 | 0.0 | -6942.5 | 13.98 | 0.00 | -3.022 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 15:45:00 | 64 | 49675.0 | 7222.5 | 0.0 | -7222.5 | 14.54 | 0.00 | -3.686 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 16:00:00 | 65 | 49675.0 | 6805.0 | 0.0 | -6805.0 | 13.7 | 0.00 | -3.737 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 16:15:00 | 66 | 49675.0 | 7095.0 | 0.0 | -7095.0 | 14.28 | 0.00 | -5.786 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 16:30:00 | 67 | 49675.0 | 7280.0 | 0.0 | -7280.0 | 14.66 | 0.00 | -4.350 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 16:45:00 | 68 | 49675.0 | 6880.0 | 0.0 | -6880.0 | 13.85 | 0.00 | -1.614 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 17:00:00 | 69 | 49675.0 | 6992.5 | 0.0 | -6992.5 | 14.08 | 0.00 | 0.000 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 17:15:00 | 70 | 49675.0 | 6945.0 | 0.0 | -6945.0 | 13.98 | 0.00 | 2.690 | 1800.517320 |
| Vaspeth 132kV | 12/01/2020 17:30:00 | 71 | 49675.0 | 7080.0 | 0.0 | -7080.0 | 14.25 | 0.00 | -3.022 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 17:45:00 | 72 | 49675.0 | 6957.5 | 0.0 | -6957.5 | 14.01 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vaspeth 132kV | 12/01/2020 18:00:00 | 73 | 49675.0 | 7090.0 | 0.0 | -7090.0 | 14.27 | 0.00 | -0.538 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 18:15:00 | 74 | 49675.0 | 6775.0 | 0.0 | -6775.0 | 13.64 | 0.00 | -4.350 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 18:30:00 | 75 | 49675.0 | 7240.0 | 0.0 | -7240.0 | 14.57 | 0.00 | 2.690 | 1245.027678 |
| Vaspeth 132kV | 12/01/2020 18:45:00 | 76 | 49675.0 | 7015.0 | 0.0 | -7015.0 | 14.12 | 0.00 | 3.022 | 7771.681577 |
| Vaspeth 132kV | 12/01/2020 19:00:00 | 77 | 49675.0 | 7385.0 | 0.0 | -7385.0 | 14.87 | 0.00 | 3.686 | 2628.003999 |
| Vaspeth 132kV | 12/01/2020 19:15:00 | 78 | 49675.0 | 6827.5 | 0.0 | -6827.5 | 13.74 | 0.00 | 2.690 | 144.217663 |
| Vaspeth 132kV | 12/01/2020 19:30:00 | 79 | 49675.0 | 6995.0 | 0.0 | -6995.0 | 14.08 | 0.00 | -3.022 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 19:45:00 | 80 | 49675.0 | 6977.5 | 0.0 | -6977.5 | 14.05 | 0.00 | -1.781 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 20:00:00 | 81 | 49675.0 | 7230.0 | 0.0 | -7230.0 | 14.55 | 0.00 | -3.021 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 20:15:00 | 82 | 49675.0 | 7195.0 | 0.0 | -7195.0 | 14.48 | 0.00 | -4.018 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 20:30:00 | 83 | 49675.0 | 7075.0 | 0.0 | -7075.0 | 14.24 | 0.00 | -3.354 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 20:45:00 | 84 | 49675.0 | 7147.5 | 0.0 | -7147.5 | 14.39 | 0.00 | -1.614 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 21:00:00 | 85 | 49675.0 | 7127.5 | 0.0 | -7127.5 | 14.35 | 0.00 | -4.350 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 21:15:00 | 86 | 49675.0 | 7040.0 | 0.0 | -7040.0 | 14.17 | 0.00 | -3.686 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 21:30:00 | 87 | 49675.0 | 7157.5 | 0.0 | -7157.5 | 14.41 | 0.00 | -1.614 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 21:45:00 | 88 | 49675.0 | 7152.5 | 0.0 | -7152.5 | 14.4 | 0.00 | 0.000 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 22:00:00 | 89 | 49675.0 | 6985.0 | 0.0 | -6985.0 | 14.06 | 0.00 | -3.354 | 0.000000 |
| Vaspeth 132kV | 12/01/2020 22:15:00 | 90 | 49675.0 | 7147.5 | 0.0 | -7147.5 | 14.39 | 0.00 | 4.350 | 8726.745887 |
| Vaspeth 132kV | 12/01/2020 22:30:00 | 91 | 49675.0 | 7167.5 | 0.0 | -7167.5 | 14.43 | 0.00 | 5.215 | 16504.148173 |
| Vaspeth 132kV | 12/01/2020 22:45:00 | 92 | 49675.0 | 7145.0 | 0.0 | -7145.0 | 14.38 | 0.00 | 3.022 | 1610.552137 |
| Vaspeth 132kV | 12/01/2020 23:00:00 | 93 | 49675.0 | 6997.5 | 0.0 | -6997.5 | 14.09 | 0.00 | 3.022 | 3454.823772 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vaspeth 132kV | 12/01/2020 23:15:00 | 94 | 49675.0 | 6907.5 | 0.0 | -6907.5 | 13.91 | 0.00 | 2.152 | 3395.779662 |
| Vaspeth 132kV | 12/01/2020 23:30:00 | 95 | 49675.0 | 7110.0 | 0.0 | -7110.0 | 14.31 | 0.00 | 2.152 | 2011.412211 |
| Vaspeth 132kV | 12/01/2020 23:45:00 | 96 | 49675.0 | 7195.0 | 0.0 | -7195.0 | 14.48 | 0.00 | 2.152 | 2338.724821 |
| Vita 220kV | 06/01/2020 00:00:00 | 1 | 15225.0 | 5337.5 | 7282.81 | 1945.31 | 12.78 | 0.00 | 2.903 | 0.000000 |
| Vita 220kV | 06/01/2020 00:15:00 | 2 | 15225.0 | 5182.5 | 7529.69 | 2347.19 | 15.42 | 31.72 | 0.000 | 0.000000 |
| Vita 220kV | 06/01/2020 00:30:00 | 3 | 15225.0 | 4945.0 | 7553.12 | 2608.12 | 17.13 | 162.19 | 0.000 | 0.000000 |
| Vita 220kV | 06/01/2020 00:45:00 | 4 | 15225.0 | 4642.5 | 7814.06 | 3171.56 | 20.83 | 443.91 | -0.984 | 0.000000 |
| Vita 220kV | 06/01/2020 01:00:00 | 5 | 15225.0 | 4300.0 | 7707.81 | 3407.81 | 22.38 | 562.03 | -3.541 | 0.000000 |
| Vita 220kV | 06/01/2020 01:15:00 | 6 | 15225.0 | 4230.0 | 7864.06 | 3634.06 | 23.87 | 675.16 | 3.222 | 0.000000 |
| Vita 220kV | 06/01/2020 01:30:00 | 7 | 15225.0 | 4247.5 | 8006.25 | 3758.75 | 24.69 | 737.50 | 3.541 | 0.000000 |
| Vita 220kV | 06/01/2020 01:45:00 | 8 | 15225.0 | 8055.0 | 8164.84 | 109.84 | 0.72 | 0.00 | 2.352 | 0.000000 |
| Vita 220kV | 06/01/2020 02:00:00 | 9 | 15225.0 | 8117.5 | 8359.38 | 241.88 | 1.59 | 0.00 | 1.747 | 0.000000 |
| Vita 220kV | 06/01/2020 02:15:00 | 10 | 15225.0 | 8207.5 | 8521.09 | 313.59 | 2.06 | 0.00 | 0.581 | 0.000000 |
| Vita 220kV | 06/01/2020 02:30:00 | 11 | 15225.0 | 8282.5 | 8451.56 | 169.06 | 1.11 | 0.00 | -2.323 | 0.000000 |
| Vita 220kV | 06/01/2020 02:45:00 | 12 | 15225.0 | 8282.5 | 8339.06 | 56.56 | 0.37 | 0.00 | 2.323 | 0.000000 |
| Vita 220kV | 06/01/2020 03:00:00 | 13 | 15225.0 | 8677.5 | 8175.78 | -501.72 | 3.3 | 0.00 | 2.323 | 0.000000 |
| Vita 220kV | 06/01/2020 03:15:00 | 14 | 15225.0 | 8697.5 | 7684.38 | -1013.12 | 6.65 | 0.00 | -1.742 | 0.000000 |
| Vita 220kV | 06/01/2020 03:30:00 | 15 | 15225.0 | 8682.5 | 7623.44 | -1059.06 | 6.96 | 0.00 | 3.222 | 0.000000 |
| Vita 220kV | 06/01/2020 03:45:00 | 16 | 15225.0 | 8542.5 | 7789.84 | -752.66 | 4.94 | 0.00 | 3.541 | 0.000000 |
| Vita 220kV | 06/01/2020 04:00:00 | 17 | 15225.0 | 8440.0 | 7750.0 | -690.0 | 4.53 | 0.00 | 4.496 | 0.000000 |
| Vita 220kV | 06/01/2020 04:15:00 | 18 | 15225.0 | 8300.0 | 8303.91 | 3.91 | 0.03 | 0.00 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vita 220kV | 06/01/2020 04:30:00 | 19 | 15225.0 | 8295.0 | 8480.47 | 185.47 | 1.22 | 0.00 | 3.859 | 0.000000 |
| Vita 220kV | 06/01/2020 04:45:00 | 20 | 15225.0 | 8927.5 | 8428.12 | -499.38 | 3.28 | 0.00 | 4.815 | 0.000000 |
| Vita 220kV | 06/01/2020 05:00:00 | 21 | 15225.0 | 8835.0 | 8472.66 | -362.34 | 2.38 | 0.00 | 3.859 | 158.915412 |
| Vita 220kV | 06/01/2020 05:15:00 | 22 | 15225.0 | 8777.5 | 8509.38 | -268.12 | 1.76 | 0.00 | 6.407 | 212.293181 |
| Vita 220kV | 06/01/2020 05:30:00 | 23 | 15225.0 | 9052.5 | 8282.03 | -770.47 | 5.06 | 0.00 | 6.496 | 903.120923 |
| Vita 220kV | 06/01/2020 05:45:00 | 24 | 15225.0 | 9165.0 | 8087.5 | -1077.5 | 7.08 | 0.00 | 7.492 | 682.543519 |
| Vita 220kV | 06/01/2020 06:00:00 | 25 | 15225.0 | 10045.0 | 7943.75 | -2101.25 | 13.8 | 0.00 | -5.452 | 0.000000 |
| Vita 220kV | 06/01/2020 06:15:00 | 26 | 15225.0 | 9927.5 | 8197.66 | -1729.84 | 11.36 | 0.00 | -6.089 | 0.000000 |
| Vita 220kV | 06/01/2020 06:30:00 | 27 | 15225.0 | 9835.0 | 8181.25 | -1653.75 | 10.86 | 0.00 | -7.044 | 0.000000 |
| Vita 220kV | 06/01/2020 06:45:00 | 28 | 15225.0 | 9777.5 | 7813.28 | -1964.22 | 12.9 | 0.00 | 7.682 | 0.000000 |
| Vita 220kV | 06/01/2020 07:00:00 | 29 | 15225.0 | 10052.5 | 7702.34 | -2350.16 | 15.44 | 33.21 | -3.859 | 0.000000 |
| Vita 220kV | 06/01/2020 07:15:00 | 30 | 15225.0 | 10165.0 | 7338.28 | -2826.72 | 18.57 | 271.49 | 4.815 | 1403.517637 |
| Vita 220kV | 06/01/2020 07:30:00 | 31 | 15225.0 | 9835.0 | 7548.44 | -2286.56 | 15.02 | 1.41 | 4.178 | 0.000000 |
| Vita 220kV | 06/01/2020 07:45:00 | 32 | 15225.0 | 9777.5 | 7353.91 | -2423.59 | 15.92 | 69.92 | -3.540 | 0.000000 |
| Vita 220kV | 06/01/2020 08:00:00 | 33 | 15225.0 | 11052.5 | 7086.72 | -3965.78 | 26.05 | 920.78 | -3.859 | 0.000000 |
| Vita 220kV | 06/01/2020 08:15:00 | 34 | 15225.0 | 11165.0 | 6596.09 | -4568.91 | 30.01 | 1523.91 | -5.452 | 0.000000 |
| Vita 220kV | 06/01/2020 08:30:00 | 35 | 15225.0 | 11045.0 | 6009.38 | -5035.62 | 33.07 | 1990.62 | 4.178 | 0.000000 |
| Vita 220kV | 06/01/2020 08:45:00 | 36 | 15225.0 | 10927.5 | 5850.78 | -5076.72 | 33.34 | 2031.72 | -3.859 | 0.000000 |
| Vita 220kV | 06/01/2020 09:00:00 | 37 | 15225.0 | 10835.0 | 6653.12 | -4181.88 | 27.47 | 1136.88 | -6.407 | 0.000000 |
| Vita 220kV | 06/01/2020 09:15:00 | 38 | 15225.0 | 10777.5 | 5674.22 | -5103.28 | 33.52 | 2058.28 | -8.000 | 0.000000 |
| Vita 220kV | 06/01/2020 09:30:00 | 39 | 15225.0 | 11052.5 | 4816.41 | -6236.09 | 40.96 | 3644.76 | -5.770 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vita 220kV | 06/01/2020 09:45:00 | 40 | 15225.0 | 11165.0 | 3965.62 | -7199.38 | 47.29 | 5089.70 | 3.222 | 0.000000 |
| Vita 220kV | 06/01/2020 10:00:00 | 41 | 15225.0 | 6735.0 | 3149.22 | -3585.78 | 23.55 | 651.02 | -2.903 | 0.000000 |
| Vita 220kV | 06/01/2020 10:15:00 | 42 | 15225.0 | 6582.5 | 3109.37 | -3473.13 | 22.81 | 594.69 | -3.222 | 0.000000 |
| Vita 220kV | 06/01/2020 10:30:00 | 43 | 15225.0 | 6407.5 | 2727.35 | -3680.15 | 24.17 | 698.20 | 4.815 | 0.000000 |
| Vita 220kV | 06/01/2020 10:45:00 | 44 | 15225.0 | 6222.5 | 2117.19 | -4105.31 | 26.96 | 1060.31 | 4.496 | 0.000000 |
| Vita 220kV | 06/01/2020 11:00:00 | 45 | 15225.0 | 6067.5 | 2085.16 | -3982.34 | 26.16 | 937.34 | 16.000 | 0.000000 |
| Vita 220kV | 06/01/2020 11:15:00 | 46 | 15225.0 | 5902.5 | 1625.0 | -4277.5 | 28.1 | 1232.50 | 5.133 | 0.000000 |
| Vita 220kV | 06/01/2020 11:30:00 | 47 | 15225.0 | 2825.0 | 1498.44 | -1326.56 | 8.71 | 0.00 | 1.182 | 0.000000 |
| Vita 220kV | 06/01/2020 11:45:00 | 48 | 15225.0 | 2600.0 | 1300.78 | -1299.22 | 8.53 | 0.00 | 6.308 | 0.000000 |
| Vita 220kV | 06/01/2020 12:00:00 | 49 | 15225.0 | 2605.0 | 1152.34 | -1452.66 | 9.54 | 0.00 | 6.598 | 0.000000 |
| Vita 220kV | 06/01/2020 12:15:00 | 50 | 15225.0 | 2555.0 | 970.31 | -1584.69 | 10.41 | 0.00 | 5.431 | 0.000000 |
| Vita 220kV | 06/01/2020 12:30:00 | 51 | 15225.0 | 2487.5 | 718.75 | -1768.75 | 11.62 | 0.00 | 3.540 | 0.000000 |
| Vita 220kV | 06/01/2020 12:45:00 | 52 | 15225.0 | 2425.0 | 284.38 | -2140.62 | 14.06 | 0.00 | -2.903 | 0.000000 |
| Vita 220kV | 06/01/2020 13:00:00 | 53 | 15225.0 | 2327.5 | 161.72 | -2165.78 | 14.23 | 0.00 | -1.161 | 0.000000 |
| Vita 220kV | 06/01/2020 13:15:00 | 54 | 15225.0 | 2237.5 | 457.81 | -1779.69 | 11.69 | 0.00 | 3.859 | 0.000000 |
| Vita 220kV | 06/01/2020 13:30:00 | 55 | 15225.0 | 2205.0 | 844.53 | -1360.47 | 8.94 | 0.00 | -6.407 | 0.000000 |
| Vita 220kV | 06/01/2020 13:45:00 | 56 | 15225.0 | 2160.0 | 1172.65 | -987.35 | 6.49 | 0.00 | 5.452 | 0.000000 |
| Vita 220kV | 06/01/2020 14:00:00 | 57 | 15225.0 | 2145.0 | 1072.66 | -1072.34 | 7.04 | 0.00 | 5.452 | 0.000000 |
| Vita 220kV | 06/01/2020 14:15:00 | 58 | 15225.0 | 2087.5 | 917.19 | -1170.31 | 7.69 | 0.00 | 16.000 | 0.000000 |
| Vita 220kV | 06/01/2020 14:30:00 | 59 | 15225.0 | 1967.5 | 719.53 | -1247.97 | 8.2 | 0.00 | 6.035 | 0.000000 |
| Vita 220kV | 06/01/2020 14:45:00 | 60 | 15225.0 | 1900.0 | 550.0 | -1350.0 | 8.87 | 0.00 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vita 220kV | 06/01/2020 15:00:00 | 61 | 15225.0 | 1562.5 | 875.0 | -687.5 | 4.52 | 0.00 | 3.367 | 0.000000 |
| Vita 220kV | 06/01/2020 15:15:00 | 62 | 15225.0 | 1460.0 | 994.53 | -465.47 | 3.06 | 0.00 | 3.904 | 0.000000 |
| Vita 220kV | 06/01/2020 15:30:00 | 63 | 15225.0 | 1427.5 | 916.41 | -511.09 | 3.36 | 0.00 | 4.482 | 0.000000 |
| Vita 220kV | 06/01/2020 15:45:00 | 64 | 15225.0 | 1367.5 | 831.25 | -536.25 | 3.52 | 0.00 | 4.225 | 0.000000 |
| Vita 220kV | 06/01/2020 16:00:00 | 65 | 15225.0 | 1357.5 | 1021.88 | -335.62 | 2.2 | 0.00 | 2.895 | 0.000000 |
| Vita 220kV | 06/01/2020 16:15:00 | 66 | 15225.0 | 1280.0 | 1896.09 | 616.09 | 4.05 | 0.00 | 6.089 | 0.000000 |
| Vita 220kV | 06/01/2020 16:30:00 | 67 | 15225.0 | 1112.5 | 1347.66 | 235.16 | 1.54 | 0.00 | -8.000 | -249.393010 |
| Vita 220kV | 06/01/2020 16:45:00 | 68 | 15225.0 | 1057.5 | 800.0 | -257.5 | 1.69 | 0.00 | -4.178 | 0.000000 |
| Vita 220kV | 06/01/2020 17:00:00 | 69 | 15225.0 | 975.0 | 225.0 | -750.0 | 4.93 | 0.00 | 1.742 | 0.000000 |
| Vita 220kV | 06/01/2020 17:15:00 | 70 | 15225.0 | 965.0 | 27.34 | -937.66 | 6.16 | 0.00 | 2.903 | 0.000000 |
| Vita 220kV | 06/01/2020 17:30:00 | 71 | 15225.0 | 895.0 | 0.78 | -894.22 | 5.87 | 0.00 | -4.178 | 0.000000 |
| Vita 220kV | 06/01/2020 17:45:00 | 72 | 15225.0 | 835.0 | 0.0 | -835.0 | 5.48 | 0.00 | -2.323 | 0.000000 |
| Vita 220kV | 06/01/2020 18:00:00 | 73 | 15225.0 | 1950.0 | 0.0 | -1950.0 | 12.81 | 0.00 | -2.903 | 0.000000 |
| Vita 220kV | 06/01/2020 18:15:00 | 74 | 15225.0 | 1935.0 | 0.0 | -1935.0 | 12.71 | 0.00 | 1.161 | 503.215111 |
| Vita 220kV | 06/01/2020 18:30:00 | 75 | 15225.0 | 1920.0 | 0.0 | -1920.0 | 12.61 | 0.00 | 2.903 | 1635.328520 |
| Vita 220kV | 06/01/2020 18:45:00 | 76 | 15225.0 | 1912.5 | 0.0 | -1912.5 | 12.56 | 0.00 | 2.903 | 38.562159 |
| Vita 220kV | 06/01/2020 19:00:00 | 77 | 15225.0 | 1912.5 | 0.0 | -1912.5 | 12.56 | 0.00 | -1.161 | 0.000000 |
| Vita 220kV | 06/01/2020 19:15:00 | 78 | 15225.0 | 1912.5 | 0.0 | -1912.5 | 12.56 | 0.00 | -4.178 | 0.000000 |
| Vita 220kV | 06/01/2020 19:30:00 | 79 | 15225.0 | 1912.5 | 0.0 | -1912.5 | 12.56 | 0.00 | -2.323 | 0.000000 |
| Vita 220kV | 06/01/2020 19:45:00 | 80 | 15225.0 | 1912.5 | 0.0 | -1912.5 | 12.56 | 0.00 | -4.178 | 0.000000 |
| Vita 220kV | 06/01/2020 20:00:00 | 81 | 15225.0 | 1912.5 | 0.0 | -1912.5 | 12.56 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vita 220kV | 06/01/2020 20:15:00 | 82 | 15225.0 | 1912.5 | 0.0 | -1912.5 | 12.56 | 0.00 | -5.770 | 0.000000 |
| Vita 220kV | 06/01/2020 20:30:00 | 83 | 15225.0 | 1912.5 | 0.0 | -1912.5 | 12.56 | 0.00 | 5.770 | 260.584198 |
| Vita 220kV | 06/01/2020 20:45:00 | 84 | 15225.0 | 1912.5 | 19.53 | -1892.97 | 12.43 | 0.00 | 4.178 | 782.844056 |
| Vita 220kV | 06/01/2020 21:00:00 | 85 | 15225.0 | 1920.0 | 227.34 | -1692.66 | 11.12 | 0.00 | 3.222 | 370.315829 |
| Vita 220kV | 06/01/2020 21:15:00 | 86 | 15225.0 | 1912.5 | 690.62 | -1221.88 | 8.03 | 0.00 | -1.742 | 0.000000 |
| Vita 220kV | 06/01/2020 21:30:00 | 87 | 15225.0 | 1912.5 | 1142.19 | -770.31 | 5.06 | 0.00 | 0.000 | 0.000000 |
| Vita 220kV | 06/01/2020 21:45:00 | 88 | 15225.0 | 1912.5 | 1496.88 | -415.62 | 2.73 | 0.00 | 1.161 | 0.000000 |
| Vita 220kV | 06/01/2020 22:00:00 | 89 | 15225.0 | 1912.5 | 1809.38 | -103.12 | 0.68 | 0.00 | 4.815 | 60.379561 |
| Vita 220kV | 06/01/2020 22:15:00 | 90 | 15225.0 | 1750.0 | 1884.38 | 134.38 | 0.88 | 0.00 | 3.859 | 0.000000 |
| Vita 220kV | 06/01/2020 22:30:00 | 91 | 15225.0 | 2032.5 | 2161.72 | 129.22 | 0.85 | 0.00 | 1.742 | 0.000000 |
| Vita 220kV | 06/01/2020 22:45:00 | 92 | 15225.0 | 1920.0 | 2335.16 | 415.16 | 2.73 | 0.00 | -2.323 | 0.000000 |
| Vita 220kV | 06/01/2020 23:00:00 | 93 | 15225.0 | 1967.5 | 2353.12 | 385.62 | 2.53 | 0.00 | -2.903 | 0.000000 |
| Vita 220kV | 06/01/2020 23:15:00 | 94 | 15225.0 | 1942.5 | 1863.28 | -79.22 | 0.52 | 0.00 | 2.323 | 0.000000 |
| Vita 220kV | 06/01/2020 23:30:00 | 95 | 15225.0 | 1965.0 | 1635.94 | -329.06 | 2.16 | 0.00 | -3.222 | 0.000000 |
| Vita 220kV | 06/01/2020 23:45:00 | 96 | 15225.0 | 1972.5 | 1723.44 | -249.06 | 1.64 | 0.00 | 2.323 | 0.000000 |
| Vita 220kV | 07/01/2020 00:00:00 | 1 | 15225.0 | 5337.5 | 1436.72 | -3900.78 | 25.62 | 855.78 | -0.549 | 0.000000 |
| Vita 220kV | 07/01/2020 00:15:00 | 2 | 15225.0 | 2575.0 | 1227.34 | -1347.66 | 8.85 | 0.00 | -1.647 | 0.000000 |
| Vita 220kV | 07/01/2020 00:30:00 | 3 | 15225.0 | 2560.0 | 1333.59 | -1226.41 | 8.06 | 0.00 | -3.073 | 0.000000 |
| Vita 220kV | 07/01/2020 00:45:00 | 4 | 15225.0 | 2545.0 | 1480.47 | -1064.53 | 6.99 | 0.00 | -2.744 | 0.000000 |
| Vita 220kV | 07/01/2020 01:00:00 | 5 | 15225.0 | 2537.5 | 1520.31 | -1017.19 | 6.68 | 0.00 | -4.058 | 0.000000 |
| Vita 220kV | 07/01/2020 01:15:00 | 6 | 15225.0 | 2537.5 | 1571.88 | -965.62 | 6.34 | 0.00 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vita 220kV | 07/01/2020 01:30:00 | 7 | 15225.0 | 3787.5 | 2021.09 | -1766.41 | 11.6 | 0.00 | -3.401 | 0.000000 |
| Vita 220kV | 07/01/2020 01:45:00 | 8 | 15225.0 | 3787.5 | 2204.69 | -1582.81 | 10.4 | 0.00 | 3.730 | 0.000000 |
| Vita 220kV | 07/01/2020 02:00:00 | 9 | 15225.0 | 3787.5 | 1872.66 | -1914.84 | 12.58 | 0.00 | 3.073 | 416.874938 |
| Vita 220kV | 07/01/2020 02:15:00 | 10 | 15225.0 | 3787.5 | 1661.72 | -2125.78 | 13.96 | 0.00 | 3.073 | 206.943995 |
| Vita 220kV | 07/01/2020 02:30:00 | 11 | 15225.0 | 3787.5 | 1720.31 | -2067.19 | 13.58 | 0.00 | 3.401 | 281.472859 |
| Vita 220kV | 07/01/2020 02:45:00 | 12 | 15225.0 | 3787.5 | 2456.25 | -1331.25 | 8.74 | 0.00 | 2.745 | 180.792188 |
| Vita 220kV | 07/01/2020 03:00:00 | 13 | 15225.0 | 3835.0 | 2654.69 | -1180.31 | 7.75 | 0.00 | 1.647 | 0.000000 |
| Vita 220kV | 07/01/2020 03:15:00 | 14 | 15225.0 | 3825.0 | 2165.62 | -1659.38 | 10.9 | 0.00 | 2.196 | 106.453679 |
| Vita 220kV | 07/01/2020 03:30:00 | 15 | 15225.0 | 3810.0 | 2050.78 | -1759.22 | 11.55 | 0.00 | 1.647 | 150.150614 |
| Vita 220kV | 07/01/2020 03:45:00 | 16 | 15225.0 | 3795.0 | 2039.06 | -1755.94 | 11.53 | 0.00 | 1.098 | 0.000000 |
| Vita 220kV | 07/01/2020 04:00:00 | 17 | 15225.0 | 3787.5 | 2167.97 | -1619.53 | 10.64 | 0.00 | 1.647 | 593.071741 |
| Vita 220kV | 07/01/2020 04:15:00 | 18 | 15225.0 | 3787.5 | 2253.91 | -1533.59 | 10.07 | 0.00 | 2.210 | 1097.986229 |
| Vita 220kV | 07/01/2020 04:30:00 | 19 | 15225.0 | 3787.5 | 2205.47 | -1582.03 | 10.39 | 0.00 | 3.730 | 1599.419356 |
| Vita 220kV | 07/01/2020 04:45:00 | 20 | 15225.0 | 3787.5 | 2575.0 | -1212.5 | 7.96 | 0.00 | -1.098 | 0.000000 |
| Vita 220kV | 07/01/2020 05:00:00 | 21 | 15225.0 | 3787.5 | 2660.94 | -1126.56 | 7.4 | 0.00 | -2.744 | 0.000000 |
| Vita 220kV | 07/01/2020 05:15:00 | 22 | 15225.0 | 3787.5 | 2684.38 | -1103.12 | 7.25 | 0.00 | 3.730 | 566.693091 |
| Vita 220kV | 07/01/2020 05:30:00 | 23 | 15225.0 | 3787.5 | 2428.12 | -1359.38 | 8.93 | 0.00 | 3.073 | 1568.860775 |
| Vita 220kV | 07/01/2020 05:45:00 | 24 | 15225.0 | 3787.5 | 2664.85 | -1122.65 | 7.37 | 0.00 | 3.730 | 1006.523167 |
| Vita 220kV | 07/01/2020 06:00:00 | 25 | 15225.0 | 3787.5 | 2653.12 | -1134.38 | 7.45 | 0.00 | -5.372 | 0.000000 |
| Vita 220kV | 07/01/2020 06:15:00 | 26 | 15225.0 | 3787.5 | 2210.94 | -1576.56 | 10.36 | 0.00 | 4.556 | 5253.252117 |
| Vita 220kV | 07/01/2020 06:30:00 | 27 | 15225.0 | 3787.5 | 1888.28 | -1899.22 | 12.47 | 0.00 | 7.148 | 10956.959483 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vita 220kV | 07/01/2020 06:45:00 | 28 | 15225.0 | 3787.5 | 1982.03 | -1805.47 | 11.86 | 0.00 | 7.821 | 9551.321894 |
| Vita 220kV | 07/01/2020 07:00:00 | 29 | 15225.0 | 3787.5 | 2323.44 | -1464.06 | 9.62 | 0.00 | 5.372 | 3890.662728 |
| Vita 220kV | 07/01/2020 07:15:00 | 30 | 15225.0 | 3787.5 | 2342.19 | -1445.31 | 9.49 | 0.00 | 16.000 | 0.000000 |
| Vita 220kV | 07/01/2020 07:30:00 | 31 | 15225.0 | 3787.5 | 2886.72 | -900.78 | 5.92 | 0.00 | 9.296 | 0.000000 |
| Vita 220kV | 07/01/2020 07:45:00 | 32 | 15225.0 | 1837.5 | 3536.72 | 1699.22 | 11.16 | 0.00 | 9.794 | 0.000000 |
| Vita 220kV | 07/01/2020 08:00:00 | 33 | 15225.0 | 1840.0 | 3560.94 | 1720.94 | 11.3 | 0.00 | 3.593 | 0.000000 |
| Vita 220kV | 07/01/2020 08:15:00 | 34 | 15225.0 | 1770.0 | 3017.97 | 1247.97 | 8.2 | 0.00 | 3.401 | 0.000000 |
| Vita 220kV | 07/01/2020 08:30:00 | 35 | 15225.0 | 1710.0 | 3537.5 | 1827.5 | 12.0 | 0.00 | 3.245 | 0.000000 |
| Vita 220kV | 07/01/2020 08:45:00 | 36 | 15225.0 | 1700.0 | 3942.19 | 2242.19 | 14.73 | 0.00 | 0.000 | 0.000000 |
| Vita 220kV | 07/01/2020 09:00:00 | 37 | 15225.0 | 2080.0 | 3725.0 | 1645.0 | 10.8 | 0.00 | 2.745 | 0.000000 |
| Vita 220kV | 07/01/2020 09:15:00 | 38 | 15225.0 | 2085.0 | 3378.91 | 1293.91 | 8.5 | 0.00 | 4.715 | 0.000000 |
| Vita 220kV | 07/01/2020 09:30:00 | 39 | 15225.0 | 2102.5 | 3400.0 | 1297.5 | 8.52 | 0.00 | 3.981 | 0.000000 |
| Vita 220kV | 07/01/2020 09:45:00 | 40 | 15225.0 | 2112.5 | 3032.03 | 919.53 | 6.04 | 0.00 | 3.730 | 0.000000 |
| Vita 220kV | 07/01/2020 10:00:00 | 41 | 15225.0 | 2115.0 | 2798.44 | 683.44 | 4.49 | 0.00 | 1.780 | 0.000000 |
| Vita 220kV | 07/01/2020 10:15:00 | 42 | 15225.0 | 2117.5 | 1878.91 | -238.59 | 1.57 | 0.00 | 5.643 | 0.000000 |
| Vita 220kV | 07/01/2020 10:30:00 | 43 | 15225.0 | 2120.0 | 1534.38 | -585.62 | 3.85 | 0.00 | 4.976 | 0.000000 |
| Vita 220kV | 07/01/2020 10:45:00 | 44 | 15225.0 | 2052.5 | 1343.75 | -708.75 | 4.66 | 0.00 | 4.415 | 0.000000 |
| Vita 220kV | 07/01/2020 11:00:00 | 45 | 15225.0 | 2057.5 | 1167.19 | -890.31 | 5.85 | 0.00 | 4.476 | 0.000000 |
| Vita 220kV | 07/01/2020 11:15:00 | 46 | 15225.0 | 2062.5 | 1258.59 | -803.91 | 5.28 | 0.00 | 4.826 | 0.000000 |
| Vita 220kV | 07/01/2020 11:30:00 | 47 | 15225.0 | 2065.0 | 1164.84 | -900.16 | 5.91 | 0.00 | 2.289 | 0.000000 |
| Vita 220kV | 07/01/2020 11:45:00 | 48 | 15225.0 | 2070.0 | 1003.91 | -1066.09 | 7.0 | 0.00 | -0.549 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vita 220kV | 07/01/2020 12:00:00 | 49 | 15225.0 | 3037.5 | 957.03 | -2080.47 | 13.66 | 0.00 | 4.727 | 0.000000 |
| Vita 220kV | 07/01/2020 12:15:00 | 50 | 15225.0 | 3037.5 | 817.97 | -2219.53 | 14.58 | 0.00 | 4.777 | 0.000000 |
| Vita 220kV | 07/01/2020 12:30:00 | 51 | 15225.0 | 2487.5 | 488.28 | -1999.22 | 13.13 | 0.00 | 4.798 | 0.000000 |
| Vita 220kV | 07/01/2020 12:45:00 | 52 | 15225.0 | 2425.0 | 414.06 | -2010.94 | 13.21 | 0.00 | -3.401 | 0.000000 |
| Vita 220kV | 07/01/2020 13:00:00 | 53 | 15225.0 | 2327.5 | 240.62 | -2086.88 | 13.71 | 0.00 | -2.431 | 0.000000 |
| Vita 220kV | 07/01/2020 13:15:00 | 54 | 15225.0 | 2237.5 | 166.41 | -2071.09 | 13.6 | 0.00 | -4.387 | 0.000000 |
| Vita 220kV | 07/01/2020 13:30:00 | 55 | 15225.0 | 1927.5 | 64.84 | -1862.66 | 12.23 | 0.00 | -3.401 | 0.000000 |
| Vita 220kV | 07/01/2020 13:45:00 | 56 | 15225.0 | 1932.5 | 259.38 | -1673.12 | 10.99 | 0.00 | -5.044 | 0.000000 |
| Vita 220kV | 07/01/2020 14:00:00 | 57 | 15225.0 | 1935.0 | 232.03 | -1702.97 | 11.19 | 0.00 | 4.215 | 0.000000 |
| Vita 220kV | 07/01/2020 14:15:00 | 58 | 15225.0 | 1940.0 | 203.91 | -1736.09 | 11.4 | 0.00 | 9.552 | 0.000000 |
| Vita 220kV | 07/01/2020 14:30:00 | 59 | 15225.0 | 1942.5 | 310.16 | -1632.34 | 10.72 | 0.00 | 6.358 | 0.000000 |
| Vita 220kV | 07/01/2020 14:45:00 | 60 | 15225.0 | 1952.5 | 348.44 | -1604.06 | 10.54 | 0.00 | 2.744 | 0.000000 |
| Vita 220kV | 07/01/2020 15:00:00 | 61 | 15225.0 | 1955.0 | 217.97 | -1737.03 | 11.41 | 0.00 | -3.073 | 0.000000 |
| Vita 220kV | 07/01/2020 15:15:00 | 62 | 15225.0 | 1960.0 | 131.25 | -1828.75 | 12.01 | 0.00 | -4.058 | 0.000000 |
| Vita 220kV | 07/01/2020 15:30:00 | 63 | 15225.0 | 1977.5 | 117.97 | -1859.53 | 12.21 | 0.00 | -4.831 | 0.000000 |
| Vita 220kV | 07/01/2020 15:45:00 | 64 | 15225.0 | 1987.5 | 258.59 | -1728.91 | 11.36 | 0.00 | -5.372 | 0.000000 |
| Vita 220kV | 07/01/2020 16:00:00 | 65 | 15225.0 | 1990.0 | 86.72 | -1903.28 | 12.5 | 0.00 | 2.196 | 0.000000 |
| Vita 220kV | 07/01/2020 16:15:00 | 66 | 15225.0 | 1992.5 | 103.12 | -1889.38 | 12.41 | 0.00 | -3.401 | 0.000000 |
| Vita 220kV | 07/01/2020 16:30:00 | 67 | 15225.0 | 1995.0 | 235.94 | -1759.06 | 11.55 | 0.00 | 4.738 | 0.000000 |
| Vita 220kV | 07/01/2020 16:45:00 | 68 | 15225.0 | 1927.5 | 32.03 | -1895.47 | 12.45 | 0.00 | 7.343 | 0.000000 |
| Vita 220kV | 07/01/2020 17:00:00 | 69 | 15225.0 | 1932.5 | 2.34 | -1930.16 | 12.68 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vita 220kV | 07/01/2020 17:15:00 | 70 | 15225.0 | 1937.5 | 3.91 | -1933.59 | 12.7 | 0.00 | 2.744 | 321.645207 |
| Vita 220kV | 07/01/2020 17:30:00 | 71 | 15225.0 | 1940.0 | 59.38 | -1880.62 | 12.35 | 0.00 | 3.401 | 124.176280 |
| Vita 220kV | 07/01/2020 17:45:00 | 72 | 15225.0 | 1945.0 | 270.31 | -1674.69 | 11.0 | 0.00 | -2.745 | 0.000000 |
| Vita 220kV | 07/01/2020 18:00:00 | 73 | 15225.0 | 1927.5 | 292.19 | -1635.31 | 10.74 | 0.00 | -3.073 | 0.000000 |
| Vita 220kV | 07/01/2020 18:15:00 | 74 | 15225.0 | 1932.5 | 168.75 | -1763.75 | 11.58 | 0.00 | -5.372 | 0.000000 |
| Vita 220kV | 07/01/2020 18:30:00 | 75 | 15225.0 | 1935.0 | 70.31 | -1864.69 | 12.25 | 0.00 | 3.401 | 0.000000 |
| Vita 220kV | 07/01/2020 18:45:00 | 76 | 15225.0 | 1940.0 | 21.88 | -1918.12 | 12.6 | 0.00 | -3.401 | 0.000000 |
| Vita 220kV | 07/01/2020 19:00:00 | 77 | 15225.0 | 1942.5 | 23.44 | -1919.06 | 12.6 | 0.00 | -3.730 | 0.000000 |
| Vita 220kV | 07/01/2020 19:15:00 | 78 | 15225.0 | 1952.5 | 49.22 | -1903.28 | 12.5 | 0.00 | -4.715 | 0.000000 |
| Vita 220kV | 07/01/2020 19:30:00 | 79 | 15225.0 | 1955.0 | 103.91 | -1851.09 | 12.16 | 0.00 | -4.058 | 0.000000 |
| Vita 220kV | 07/01/2020 19:45:00 | 80 | 15225.0 | 1960.0 | 282.81 | -1677.19 | 11.02 | 0.00 | -2.210 | 0.000000 |
| Vita 220kV | 07/01/2020 20:00:00 | 81 | 15225.0 | 1977.5 | 382.81 | -1594.69 | 10.47 | 0.00 | -2.348 | 0.000000 |
| Vita 220kV | 07/01/2020 20:15:00 | 82 | 15225.0 | 1987.5 | 542.97 | -1444.53 | 9.49 | 0.00 | 4.387 | 2254.408722 |
| Vita 220kV | 07/01/2020 20:30:00 | 83 | 15225.0 | 1990.0 | 593.75 | -1396.25 | 9.17 | 0.00 | 3.816 | 2849.312074 |
| Vita 220kV | 07/01/2020 20:45:00 | 84 | 15225.0 | 1992.5 | 230.47 | -1762.03 | 11.57 | 0.00 | 3.401 | 865.748792 |
| Vita 220kV | 07/01/2020 21:00:00 | 85 | 15225.0 | 1995.0 | 34.37 | -1960.63 | 12.88 | 0.00 | -4.058 | 0.000000 |
| Vita 220kV | 07/01/2020 21:15:00 | 86 | 15225.0 | 1927.5 | 35.94 | -1891.56 | 12.42 | 0.00 | 1.647 | 1002.593203 |
| Vita 220kV | 07/01/2020 21:30:00 | 87 | 15225.0 | 1932.5 | 0.0 | -1932.5 | 12.69 | 0.00 | 2.196 | 616.243357 |
| Vita 220kV | 07/01/2020 21:45:00 | 88 | 15225.0 | 1937.5 | 0.0 | -1937.5 | 12.73 | 0.00 | -2.196 | 0.000000 |
| Vita 220kV | 07/01/2020 22:00:00 | 89 | 15225.0 | 1940.0 | 7.81 | -1932.19 | 12.69 | 0.00 | -3.257 | 0.000000 |
| Vita 220kV | 07/01/2020 22:15:00 | 90 | 15225.0 | 1945.0 | 5.47 | -1939.53 | 12.74 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vita 220kV | 07/01/2020 22:30:00 | 91 | 15225.0 | 1907.5 | 18.75 | -1888.75 | 12.41 | 0.00 | -1.098 | 0.000000 |
| Vita 220kV | 07/01/2020 22:45:00 | 92 | 15225.0 | 1795.0 | 17.97 | -1777.03 | 11.67 | 0.00 | -1.647 | 0.000000 |
| Vita 220kV | 07/01/2020 23:00:00 | 93 | 15225.0 | 1842.5 | 23.44 | -1819.06 | 11.95 | 0.00 | -3.401 | 0.000000 |
| Vita 220kV | 07/01/2020 23:15:00 | 94 | 15225.0 | 1817.5 | 0.78 | -1816.72 | 11.93 | 0.00 | 1.647 | 0.000000 |
| Vita 220kV | 07/01/2020 23:30:00 | 95 | 15225.0 | 1840.0 | 0.0 | -1840.0 | 12.09 | 0.00 | -2.196 | 0.000000 |
| Vita 220kV | 07/01/2020 23:45:00 | 96 | 15225.0 | 1847.5 | 0.0 | -1847.5 | 12.13 | 0.00 | -0.549 | 0.000000 |
| Vita 220kV | 08/01/2020 00:00:00 | 1 | 15225.0 | 1952.5 | 0.0 | -1952.5 | 12.82 | 0.00 | -2.220 | 0.000000 |
| Vita 220kV | 08/01/2020 00:15:00 | 2 | 15225.0 | 1955.0 | 0.0 | -1955.0 | 12.84 | 0.00 | -3.101 | 0.000000 |
| Vita 220kV | 08/01/2020 00:30:00 | 3 | 15225.0 | 1960.0 | 0.0 | -1960.0 | 12.87 | 0.00 | -3.101 | 0.000000 |
| Vita 220kV | 08/01/2020 00:45:00 | 4 | 15225.0 | 1977.5 | 0.0 | -1977.5 | 12.99 | 0.00 | -2.424 | 0.000000 |
| Vita 220kV | 08/01/2020 01:00:00 | 5 | 15225.0 | 1987.5 | 0.0 | -1987.5 | 13.05 | 0.00 | -2.170 | 0.000000 |
| Vita 220kV | 08/01/2020 01:15:00 | 6 | 15225.0 | 1990.0 | 0.0 | -1990.0 | 13.07 | 0.00 | -1.761 | 0.000000 |
| Vita 220kV | 08/01/2020 01:30:00 | 7 | 15225.0 | 1992.5 | 0.0 | -1992.5 | 13.09 | 0.00 | -1.665 | 0.000000 |
| Vita 220kV | 08/01/2020 01:45:00 | 8 | 15225.0 | 1995.0 | 0.0 | -1995.0 | 13.1 | 0.00 | -1.665 | 0.000000 |
| Vita 220kV | 08/01/2020 02:00:00 | 9 | 15225.0 | 1927.5 | 0.0 | -1927.5 | 12.66 | 0.00 | -1.110 | 0.000000 |
| Vita 220kV | 08/01/2020 02:15:00 | 10 | 15225.0 | 1932.5 | 0.0 | -1932.5 | 12.69 | 0.00 | -1.347 | 0.000000 |
| Vita 220kV | 08/01/2020 02:30:00 | 11 | 15225.0 | 1937.5 | 0.0 | -1937.5 | 12.73 | 0.00 | -3.101 | 0.000000 |
| Vita 220kV | 08/01/2020 02:45:00 | 12 | 15225.0 | 1940.0 | 0.0 | -1940.0 | 12.74 | 0.00 | -2.220 | 0.000000 |
| Vita 220kV | 08/01/2020 03:00:00 | 13 | 15225.0 | 1945.0 | 0.0 | -1945.0 | 12.78 | 0.00 | -3.428 | 0.000000 |
| Vita 220kV | 08/01/2020 03:15:00 | 14 | 15225.0 | 1927.5 | 0.0 | -1927.5 | 12.66 | 0.00 | -2.220 | 0.000000 |
| Vita 220kV | 08/01/2020 03:30:00 | 15 | 15225.0 | 1932.5 | 0.0 | -1932.5 | 12.69 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vita 220kV | 08/01/2020 03:45:00 | 16 | 15225.0 | 1935.0 | 0.0 | -1935.0 | 12.71 | 0.00 | -2.775 | 0.000000 |
| Vita 220kV | 08/01/2020 04:00:00 | 17 | 15225.0 | 1940.0 | 0.0 | -1940.0 | 12.74 | 0.00 | -3.101 | 0.000000 |
| Vita 220kV | 08/01/2020 04:15:00 | 18 | 15225.0 | 1942.5 | 0.0 | -1942.5 | 12.76 | 0.00 | -1.665 | 0.000000 |
| Vita 220kV | 08/01/2020 04:30:00 | 19 | 15225.0 | 1952.5 | 0.0 | -1952.5 | 12.82 | 0.00 | -2.220 | 0.000000 |
| Vita 220kV | 08/01/2020 04:45:00 | 20 | 15225.0 | 1955.0 | 0.0 | -1955.0 | 12.84 | 0.00 | -2.775 | 0.000000 |
| Vita 220kV | 08/01/2020 05:00:00 | 21 | 15225.0 | 1960.0 | 0.0 | -1960.0 | 12.87 | 0.00 | -1.110 | 0.000000 |
| Vita 220kV | 08/01/2020 05:15:00 | 22 | 15225.0 | 1977.5 | 0.0 | -1977.5 | 12.99 | 0.00 | 2.775 | 95.291880 |
| Vita 220kV | 08/01/2020 05:30:00 | 23 | 15225.0 | 1987.5 | 0.0 | -1987.5 | 13.05 | 0.00 | -3.428 | 0.000000 |
| Vita 220kV | 08/01/2020 05:45:00 | 24 | 15225.0 | 1990.0 | 0.0 | -1990.0 | 13.07 | 0.00 | -2.775 | 0.000000 |
| Vita 220kV | 08/01/2020 06:00:00 | 25 | 15225.0 | 1992.5 | 0.0 | -1992.5 | 13.09 | 0.00 | -2.220 | 0.000000 |
| Vita 220kV | 08/01/2020 06:15:00 | 26 | 15225.0 | 1995.0 | 0.0 | -1995.0 | 13.1 | 0.00 | 2.220 | 408.466144 |
| Vita 220kV | 08/01/2020 06:30:00 | 27 | 15225.0 | 1927.5 | 0.0 | -1927.5 | 12.66 | 0.00 | 5.387 | 3469.427493 |
| Vita 220kV | 08/01/2020 06:45:00 | 28 | 15225.0 | 1932.5 | 0.0 | -1932.5 | 12.69 | 0.00 | -4.734 | 0.000000 |
| Vita 220kV | 08/01/2020 07:00:00 | 29 | 15225.0 | 1937.5 | 0.0 | -1937.5 | 12.73 | 0.00 | -4.407 | 0.000000 |
| Vita 220kV | 08/01/2020 07:15:00 | 30 | 15225.0 | 1940.0 | 0.0 | -1940.0 | 12.74 | 0.00 | 5.061 | 3419.412184 |
| Vita 220kV | 08/01/2020 07:30:00 | 31 | 15225.0 | 1945.0 | 0.0 | -1945.0 | 12.78 | 0.00 | 5.714 | 3280.242986 |
| Vita 220kV | 08/01/2020 07:45:00 | 32 | 15225.0 | 1907.5 | 0.0 | -1907.5 | 12.53 | 0.00 | 5.061 | 1264.738116 |
| Vita 220kV | 08/01/2020 08:00:00 | 33 | 15225.0 | 1795.0 | 0.0 | -1795.0 | 11.79 | 0.00 | 2.775 | 0.000000 |
| Vita 220kV | 08/01/2020 08:15:00 | 34 | 15225.0 | 1842.5 | 0.0 | -1842.5 | 12.1 | 0.00 | 2.775 | 0.000000 |
| Vita 220kV | 08/01/2020 08:30:00 | 35 | 15225.0 | 1817.5 | 0.0 | -1817.5 | 11.94 | 0.00 | 5.387 | 0.000000 |
| Vita 220kV | 08/01/2020 08:45:00 | 36 | 15225.0 | 1840.0 | 0.0 | -1840.0 | 12.09 | 0.00 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vita 220kV | 08/01/2020 09:00:00 | 37 | 15225.0 | 1847.5 | 0.0 | -1847.5 | 12.13 | 0.00 | 7.673 | 0.000000 |
| Vita 220kV | 08/01/2020 09:15:00 | 38 | 15225.0 | 1952.5 | 0.0 | -1952.5 | 12.82 | 0.00 | 7.673 | 0.000000 |
| Vita 220kV | 08/01/2020 09:30:00 | 39 | 15225.0 | 1955.0 | 0.0 | -1955.0 | 12.84 | 0.00 | 3.101 | 0.000000 |
| Vita 220kV | 08/01/2020 09:45:00 | 40 | 15225.0 | 1960.0 | 0.0 | -1960.0 | 12.87 | 0.00 | -3.101 | 0.000000 |
| Vita 220kV | 08/01/2020 10:00:00 | 41 | 15225.0 | 1977.5 | 0.0 | -1977.5 | 12.99 | 0.00 | -3.101 | 0.000000 |
| Vita 220kV | 08/01/2020 10:15:00 | 42 | 15225.0 | 1987.5 | 0.0 | -1987.5 | 13.05 | 0.00 | -3.101 | 0.000000 |
| Vita 220kV | 08/01/2020 10:30:00 | 43 | 15225.0 | 1990.0 | 0.0 | -1990.0 | 13.07 | 0.00 | -1.665 | 0.000000 |
| Vita 220kV | 08/01/2020 10:45:00 | 44 | 15225.0 | 1992.5 | 0.0 | -1992.5 | 13.09 | 0.00 | 0.000 | 0.000000 |
| Vita 220kV | 08/01/2020 11:00:00 | 45 | 15225.0 | 1995.0 | 0.78 | -1994.22 | 13.1 | 0.00 | -1.486 | 0.000000 |
| Vita 220kV | 08/01/2020 11:15:00 | 46 | 15225.0 | 1927.5 | 0.78 | -1926.72 | 12.65 | 0.00 | -1.305 | 0.000000 |
| Vita 220kV | 08/01/2020 11:30:00 | 47 | 15225.0 | 1932.5 | 19.53 | -1912.97 | 12.56 | 0.00 | -2.425 | 0.000000 |
| Vita 220kV | 08/01/2020 11:45:00 | 48 | 15225.0 | 1937.5 | 46.88 | -1890.62 | 12.42 | 0.00 | -2.775 | 0.000000 |
| Vita 220kV | 08/01/2020 12:00:00 | 49 | 15225.0 | 1940.0 | 17.19 | -1922.81 | 12.63 | 0.00 | -2.083 | 0.000000 |
| Vita 220kV | 08/01/2020 12:15:00 | 50 | 15225.0 | 1945.0 | 202.34 | -1742.66 | 11.45 | 0.00 | -3.242 | 0.000000 |
| Vita 220kV | 08/01/2020 12:30:00 | 51 | 15225.0 | 1927.5 | 346.88 | -1580.62 | 10.38 | 0.00 | -1.330 | 0.000000 |
| Vita 220kV | 08/01/2020 12:45:00 | 52 | 15225.0 | 1932.5 | 500.78 | -1431.72 | 9.4 | 0.00 | -0.830 | 0.000000 |
| Vita 220kV | 08/01/2020 13:00:00 | 53 | 15225.0 | 1935.0 | 604.69 | -1330.31 | 8.74 | 0.00 | 2.775 | 0.000000 |
| Vita 220kV | 08/01/2020 13:15:00 | 54 | 15225.0 | 1940.0 | 514.84 | -1425.16 | 9.36 | 0.00 | 0.000 | 0.000000 |
| Vita 220kV | 08/01/2020 13:30:00 | 55 | 15225.0 | 1942.5 | 364.84 | -1577.66 | 10.36 | 0.00 | -1.012 | 0.000000 |
| Vita 220kV | 08/01/2020 13:45:00 | 56 | 15225.0 | 1952.5 | 355.47 | -1597.03 | 10.49 | 0.00 | -1.087 | 0.000000 |
| Vita 220kV | 08/01/2020 14:00:00 | 57 | 15225.0 | 1955.0 | 682.81 | -1272.19 | 8.36 | 0.00 | -3.101 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vita 220kV | 08/01/2020 14:15:00 | 58 | 15225.0 | 1960.0 | 768.75 | -1191.25 | 7.82 | 0.00 | -4.081 | 0.000000 |
| Vita 220kV | 08/01/2020 14:30:00 | 59 | 15225.0 | 1977.5 | 531.25 | -1446.25 | 9.5 | 0.00 | -2.996 | 0.000000 |
| Vita 220kV | 08/01/2020 14:45:00 | 60 | 15225.0 | 1987.5 | 570.31 | -1417.19 | 9.31 | 0.00 | -3.101 | 0.000000 |
| Vita 220kV | 08/01/2020 15:00:00 | 61 | 15225.0 | 1990.0 | 950.0 | -1040.0 | 6.83 | 0.00 | -1.879 | 0.000000 |
| Vita 220kV | 08/01/2020 15:15:00 | 62 | 15225.0 | 1992.5 | 1157.03 | -835.47 | 5.49 | 0.00 | -4.081 | 0.000000 |
| Vita 220kV | 08/01/2020 15:30:00 | 63 | 15225.0 | 1995.0 | 944.53 | -1050.47 | 6.9 | 0.00 | 4.938 | 0.000000 |
| Vita 220kV | 08/01/2020 15:45:00 | 64 | 15225.0 | 1927.5 | 760.94 | -1166.56 | 7.66 | 0.00 | 4.719 | 0.000000 |
| Vita 220kV | 08/01/2020 16:00:00 | 65 | 15225.0 | 1932.5 | 612.5 | -1320.0 | 8.67 | 0.00 | 0.555 | 0.000000 |
| Vita 220kV | 08/01/2020 16:15:00 | 66 | 15225.0 | 1937.5 | 728.12 | -1209.38 | 7.94 | 0.00 | -4.081 | 0.000000 |
| Vita 220kV | 08/01/2020 16:30:00 | 67 | 15225.0 | 1940.0 | 1357.81 | -582.19 | 3.82 | 0.00 | -3.754 | 0.000000 |
| Vita 220kV | 08/01/2020 16:45:00 | 68 | 15225.0 | 1945.0 | 778.91 | -1166.09 | 7.66 | 0.00 | -8.000 | 0.000000 |
| Vita 220kV | 08/01/2020 17:00:00 | 69 | 15225.0 | 1907.5 | 1385.94 | -521.56 | 3.43 | 0.00 | 0.000 | 0.000000 |
| Vita 220kV | 08/01/2020 17:15:00 | 70 | 15225.0 | 1795.0 | 1380.47 | -414.53 | 2.72 | 0.00 | 4.081 | 79.517380 |
| Vita 220kV | 08/01/2020 17:30:00 | 71 | 15225.0 | 1842.5 | 903.12 | -939.38 | 6.17 | 0.00 | -5.387 | 0.000000 |
| Vita 220kV | 08/01/2020 17:45:00 | 72 | 15225.0 | 1817.5 | 1628.12 | -189.38 | 1.24 | 0.00 | -3.101 | 0.000000 |
| Vita 220kV | 08/01/2020 18:00:00 | 73 | 15225.0 | 1840.0 | 1583.59 | -256.41 | 1.68 | 0.00 | -2.775 | 0.000000 |
| Vita 220kV | 08/01/2020 18:15:00 | 74 | 15225.0 | 1847.5 | 1396.88 | -450.62 | 2.96 | 0.00 | -3.101 | 0.000000 |
| Vita 220kV | 08/01/2020 18:30:00 | 75 | 15225.0 | 1935.0 | 1875.78 | -59.22 | 0.39 | 0.00 | -2.220 | 0.000000 |
| Vita 220kV | 08/01/2020 18:45:00 | 76 | 15225.0 | 1940.0 | 2046.88 | 106.88 | 0.7 | 0.00 | 2.220 | 0.000000 |
| Vita 220kV | 08/01/2020 19:00:00 | 77 | 15225.0 | 1942.5 | 2082.03 | 139.53 | 0.92 | 0.00 | 1.110 | 0.000000 |
| Vita 220kV | 08/01/2020 19:15:00 | 78 | 15225.0 | 1952.5 | 2012.5 | 60.0 | 0.39 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vita 220kV | 08/01/2020 19:30:00 | 79 | 15225.0 | 1955.0 | 2060.16 | 105.16 | 0.69 | 0.00 | -2.220 | 0.000000 |
| Vita 220kV | 08/01/2020 19:45:00 | 80 | 15225.0 | 1960.0 | 2137.5 | 177.5 | 1.17 | 0.00 | -0.555 | 0.000000 |
| Vita 220kV | 08/01/2020 20:00:00 | 81 | 15225.0 | 1977.5 | 2154.69 | 177.19 | 1.16 | 0.00 | 2.775 | 0.000000 |
| Vita 220kV | 08/01/2020 20:15:00 | 82 | 15225.0 | 1987.5 | 1784.38 | -203.12 | 1.33 | 0.00 | 3.101 | 339.633234 |
| Vita 220kV | 08/01/2020 20:30:00 | 83 | 15225.0 | 1990.0 | 1712.5 | -277.5 | 1.82 | 0.00 | 4.408 | 628.595347 |
| Vita 220kV | 08/01/2020 20:45:00 | 84 | 15225.0 | 1992.5 | 2335.94 | 343.44 | 2.26 | 0.00 | 3.101 | 0.000000 |
| Vita 220kV | 08/01/2020 21:00:00 | 85 | 15225.0 | 1995.0 | 2325.78 | 330.78 | 2.17 | 0.00 | 3.101 | 0.000000 |
| Vita 220kV | 08/01/2020 21:15:00 | 86 | 15225.0 | 1927.5 | 1382.03 | -545.47 | 3.58 | 0.00 | -0.555 | 0.000000 |
| Vita 220kV | 08/01/2020 21:30:00 | 87 | 15225.0 | 1932.5 | 1206.25 | -726.25 | 4.77 | 0.00 | -1.110 | 0.000000 |
| Vita 220kV | 08/01/2020 21:45:00 | 88 | 15225.0 | 1937.5 | 1378.12 | -559.38 | 3.67 | 0.00 | -1.110 | 0.000000 |
| Vita 220kV | 08/01/2020 22:00:00 | 89 | 15225.0 | 1940.0 | 1304.69 | -635.31 | 4.17 | 0.00 | -2.489 | 0.000000 |
| Vita 220kV | 08/01/2020 22:15:00 | 90 | 15225.0 | 1945.0 | 945.31 | -999.69 | 6.57 | 0.00 | -2.775 | 0.000000 |
| Vita 220kV | 08/01/2020 22:30:00 | 91 | 15225.0 | 1907.5 | 910.94 | -996.56 | 6.55 | 0.00 | -2.223 | 0.000000 |
| Vita 220kV | 08/01/2020 22:45:00 | 92 | 15225.0 | 1795.0 | 892.19 | -902.81 | 5.93 | 0.00 | 1.110 | 0.000000 |
| Vita 220kV | 08/01/2020 23:00:00 | 93 | 15225.0 | 1842.5 | 836.72 | -1005.78 | 6.61 | 0.00 | 1.110 | 107.378083 |
| Vita 220kV | 08/01/2020 23:15:00 | 94 | 15225.0 | 1817.5 | 700.0 | -1117.5 | 7.34 | 0.00 | 1.110 | 0.000000 |
| Vita 220kV | 08/01/2020 23:30:00 | 95 | 15225.0 | 1840.0 | 484.37 | -1355.63 | 8.9 | 0.00 | 2.775 | 12.323381 |
| Vita 220kV | 08/01/2020 23:45:00 | 96 | 15225.0 | 1847.5 | 255.47 | -1592.03 | 10.46 | 0.00 | 0.000 | 0.000000 |
| Vita 220kV | 09/01/2020 00:00:00 | 1 | 15225.0 | 1532.5 | 309.38 | -1223.12 | 8.03 | 0.00 | -0.576 | 0.000000 |
| Vita 220kV | 09/01/2020 00:15:00 | 2 | 15225.0 | 1340.0 | 382.81 | -957.19 | 6.29 | 0.00 | -1.727 | 0.000000 |
| Vita 220kV | 09/01/2020 00:30:00 | 3 | 15225.0 | 1342.5 | 385.94 | -956.56 | 6.28 | 0.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vita 220kV | 09/01/2020 00:45:00 | 4 | 15225.0 | 1345.0 | 328.12 | -1016.88 | 6.68 | 0.00 | -2.879 | 0.000000 |
| Vita 220kV | 09/01/2020 01:00:00 | 5 | 15225.0 | 1347.5 | 249.22 | -1098.28 | 7.21 | 0.00 | -3.519 | 0.000000 |
| Vita 220kV | 09/01/2020 01:15:00 | 6 | 15225.0 | 1577.5 | 156.25 | -1421.25 | 9.33 | 0.00 | -3.519 | 0.000000 |
| Vita 220kV | 09/01/2020 01:30:00 | 7 | 15225.0 | 835.0 | 110.16 | -724.84 | 4.76 | 0.00 | -3.199 | 0.000000 |
| Vita 220kV | 09/01/2020 01:45:00 | 8 | 15225.0 | 887.5 | 69.53 | -817.97 | 5.37 | 0.00 | 3.519 | 198.756493 |
| Vita 220kV | 09/01/2020 02:00:00 | 9 | 15225.0 | 925.0 | 24.22 | -900.78 | 5.92 | 0.00 | 3.519 | 991.675851 |
| Vita 220kV | 09/01/2020 02:15:00 | 10 | 15225.0 | 975.0 | 17.19 | -957.81 | 6.29 | 0.00 | 2.879 | 462.466397 |
| Vita 220kV | 09/01/2020 02:30:00 | 11 | 15225.0 | 970.0 | 0.0 | -970.0 | 6.37 | 0.00 | 3.199 | 673.846574 |
| Vita 220kV | 09/01/2020 02:45:00 | 12 | 15225.0 | 962.5 | 0.0 | -962.5 | 6.32 | 0.00 | 1.152 | 0.000000 |
| Vita 220kV | 09/01/2020 03:00:00 | 13 | 15225.0 | 1995.0 | 0.0 | -1995.0 | 13.1 | 0.00 | -2.879 | 0.000000 |
| Vita 220kV | 09/01/2020 03:15:00 | 14 | 15225.0 | 1927.5 | 0.0 | -1927.5 | 12.66 | 0.00 | -3.839 | 0.000000 |
| Vita 220kV | 09/01/2020 03:30:00 | 15 | 15225.0 | 1932.5 | 0.0 | -1932.5 | 12.69 | 0.00 | 3.199 | 0.000000 |
| Vita 220kV | 09/01/2020 03:45:00 | 16 | 15225.0 | 1937.5 | 0.78 | -1936.72 | 12.72 | 0.00 | 0.000 | 0.000000 |
| Vita 220kV | 09/01/2020 04:00:00 | 17 | 15225.0 | 1940.0 | 0.0 | -1940.0 | 12.74 | 0.00 | 1.727 | 0.000000 |
| Vita 220kV | 09/01/2020 04:15:00 | 18 | 15225.0 | 1945.0 | 0.0 | -1945.0 | 12.78 | 0.00 | 1.727 | 0.000000 |
| Vita 220kV | 09/01/2020 04:30:00 | 19 | 15225.0 | 1907.5 | 0.0 | -1907.5 | 12.53 | 0.00 | 1.727 | 0.000000 |
| Vita 220kV | 09/01/2020 04:45:00 | 20 | 15225.0 | 1795.0 | 20.31 | -1774.69 | 11.66 | 0.00 | 2.879 | 1529.445651 |
| Vita 220kV | 09/01/2020 05:00:00 | 21 | 15225.0 | 1592.5 | 100.78 | -1491.72 | 9.8 | 0.00 | 3.839 | 744.634903 |
| Vita 220kV | 09/01/2020 05:15:00 | 22 | 15225.0 | 1567.5 | 80.47 | -1487.03 | 9.77 | 0.00 | 5.119 | 2098.946927 |
| Vita 220kV | 09/01/2020 05:30:00 | 23 | 15225.0 | 1590.0 | 67.97 | -1522.03 | 10.0 | 0.00 | 4.064 | 3915.275838 |
| Vita 220kV | 09/01/2020 05:45:00 | 24 | 15225.0 | 1597.5 | 67.97 | -1529.53 | 10.05 | 0.00 | 1.152 | 10.790592 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vita 220kV | 09/01/2020 06:00:00 | 25 | 15225.0 | 1685.0 | 357.81 | -1327.19 | 8.72 | 0.00 | -2.303 | 0.000000 |
| Vita 220kV | 09/01/2020 06:15:00 | 26 | 15225.0 | 1690.0 | 1044.53 | -645.47 | 4.24 | 0.00 | 2.303 | 429.333752 |
| Vita 220kV | 09/01/2020 06:30:00 | 27 | 15225.0 | 1692.5 | 1533.59 | -158.91 | 1.04 | 0.00 | -3.839 | 0.000000 |
| Vita 220kV | 09/01/2020 06:45:00 | 28 | 15225.0 | 1702.5 | 1396.88 | -305.62 | 2.01 | 0.00 | -2.879 | 0.000000 |
| Vita 220kV | 09/01/2020 07:00:00 | 29 | 15225.0 | 1705.0 | 1496.09 | -208.91 | 1.37 | 0.00 | -2.879 | 0.000000 |
| Vita 220kV | 09/01/2020 07:15:00 | 30 | 15225.0 | 1710.0 | 1528.12 | -181.88 | 1.19 | 0.00 | 6.400 | 90.486529 |
| Vita 220kV | 09/01/2020 07:30:00 | 31 | 15225.0 | 1727.5 | 1453.91 | -273.59 | 1.8 | 0.00 | 1.172 | 0.000000 |
| Vita 220kV | 09/01/2020 07:45:00 | 32 | 15225.0 | 1737.5 | 1400.0 | -337.5 | 2.22 | 0.00 | 0.576 | 0.000000 |
| Vita 220kV | 09/01/2020 08:00:00 | 33 | 15225.0 | 1740.0 | 1706.25 | -33.75 | 0.22 | 0.00 | -0.576 | 0.000000 |
| Vita 220kV | 09/01/2020 08:15:00 | 34 | 15225.0 | 1742.5 | 1620.31 | -122.19 | 0.8 | 0.00 | -1.152 | 0.000000 |
| Vita 220kV | 09/01/2020 08:30:00 | 35 | 15225.0 | 1745.0 | 1127.34 | -617.66 | 4.06 | 0.00 | 0.576 | 0.000000 |
| Vita 220kV | 09/01/2020 08:45:00 | 36 | 15225.0 | 1677.5 | 1339.84 | -337.66 | 2.22 | 0.00 | 0.000 | 0.000000 |
| Vita 220kV | 09/01/2020 09:00:00 | 37 | 15225.0 | 1682.5 | 1372.66 | -309.84 | 2.04 | 0.00 | 1.152 | 0.000000 |
| Vita 220kV | 09/01/2020 09:15:00 | 38 | 15225.0 | 3005.0 | 1055.47 | -1949.53 | 12.8 | 0.00 | 1.727 | 0.000000 |
| Vita 220kV | 09/01/2020 09:30:00 | 39 | 15225.0 | 3007.5 | 907.81 | -2099.69 | 13.79 | 0.00 | -3.839 | 0.000000 |
| Vita 220kV | 09/01/2020 09:45:00 | 40 | 15225.0 | 3015.0 | 907.03 | -2107.97 | 13.85 | 0.00 | -1.152 | 0.000000 |
| Vita 220kV | 09/01/2020 10:00:00 | 41 | 15225.0 | 3020.0 | 760.16 | -2259.84 | 14.84 | 0.00 | 0.000 | 0.000000 |
| Vita 220kV | 09/01/2020 10:15:00 | 42 | 15225.0 | 3022.5 | 550.0 | -2472.5 | 16.24 | 94.38 | 1.727 | 0.000000 |
| Vita 220kV | 09/01/2020 10:30:00 | 43 | 15225.0 | 3002.5 | 416.41 | -2586.09 | 16.99 | 151.17 | 2.303 | 0.000000 |
| Vita 220kV | 09/01/2020 10:45:00 | 44 | 15225.0 | 3005.0 | 307.03 | -2697.97 | 17.72 | 207.11 | -1.144 | 0.000000 |
| Vita 220kV | 09/01/2020 11:00:00 | 45 | 15225.0 | 3007.5 | 114.06 | -2893.44 | 19.0 | 304.85 | -4.479 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vita 220kV | 09/01/2020 11:15:00 | 46 | 15225.0 | 3015.0 | 18.75 | -2996.25 | 19.68 | 356.25 | -3.519 | 0.000000 |
| Vita 220kV | 09/01/2020 11:30:00 | 47 | 15225.0 | 3020.0 | 2.34 | -3017.66 | 19.82 | 366.96 | -2.303 | 0.000000 |
| Vita 220kV | 09/01/2020 11:45:00 | 48 | 15225.0 | 3022.5 | 0.0 | -3022.5 | 19.85 | 369.38 | -0.576 | 0.000000 |
| Vita 220kV | 09/01/2020 12:00:00 | 49 | 15225.0 | 2002.5 | 0.0 | -2002.5 | 13.15 | 0.00 | 0.000 | 0.000000 |
| Vita 220kV | 09/01/2020 12:15:00 | 50 | 15225.0 | 2005.0 | 0.0 | -2005.0 | 13.17 | 0.00 | 3.839 | 0.000000 |
| Vita 220kV | 09/01/2020 12:30:00 | 51 | 15225.0 | 2010.0 | 0.0 | -2010.0 | 13.2 | 0.00 | 3.199 | 0.000000 |
| Vita 220kV | 09/01/2020 12:45:00 | 52 | 15225.0 | 2007.5 | 0.0 | -2007.5 | 13.19 | 0.00 | 3.199 | 0.000000 |
| Vita 220kV | 09/01/2020 13:00:00 | 53 | 15225.0 | 2012.5 | 0.0 | -2012.5 | 13.22 | 0.00 | -1.152 | 0.000000 |
| Vita 220kV | 09/01/2020 13:15:00 | 54 | 15225.0 | 2015.0 | 0.0 | -2015.0 | 13.23 | 0.00 | -1.152 | 0.000000 |
| Vita 220kV | 09/01/2020 13:30:00 | 55 | 15225.0 | 2017.5 | 0.0 | -2017.5 | 13.25 | 0.00 | 1.727 | 0.000000 |
| Vita 220kV | 09/01/2020 13:45:00 | 56 | 15225.0 | 2020.0 | 0.0 | -2020.0 | 13.27 | 0.00 | 3.199 | 0.000000 |
| Vita 220kV | 09/01/2020 14:00:00 | 57 | 15225.0 | 2002.5 | 0.0 | -2002.5 | 13.15 | 0.00 | 4.345 | 0.000000 |
| Vita 220kV | 09/01/2020 14:15:00 | 58 | 15225.0 | 2005.0 | 0.0 | -2005.0 | 13.17 | 0.00 | 3.941 | 0.000000 |
| Vita 220kV | 09/01/2020 14:30:00 | 59 | 15225.0 | 2002.5 | 0.0 | -2002.5 | 13.15 | 0.00 | 1.152 | 0.000000 |
| Vita 220kV | 09/01/2020 14:45:00 | 60 | 15225.0 | 2005.0 | 0.0 | -2005.0 | 13.17 | 0.00 | -0.576 | 0.000000 |
| Vita 220kV | 09/01/2020 15:00:00 | 61 | 15225.0 | 2010.0 | 0.0 | -2010.0 | 13.2 | 0.00 | -1.006 | 0.000000 |
| Vita 220kV | 09/01/2020 15:15:00 | 62 | 15225.0 | 2007.5 | 0.0 | -2007.5 | 13.19 | 0.00 | 3.199 | 0.000000 |
| Vita 220kV | 09/01/2020 15:30:00 | 63 | 15225.0 | 2012.5 | 0.0 | -2012.5 | 13.22 | 0.00 | 2.879 | 0.000000 |
| Vita 220kV | 09/01/2020 15:45:00 | 64 | 15225.0 | 2015.0 | 0.78 | -2014.22 | 13.23 | 0.00 | 3.839 | 0.000000 |
| Vita 220kV | 09/01/2020 16:00:00 | 65 | 15225.0 | 2017.5 | 0.0 | -2017.5 | 13.25 | 0.00 | 1.727 | 0.000000 |
| Vita 220kV | 09/01/2020 16:15:00 | 66 | 15225.0 | 2020.0 | 0.0 | -2020.0 | 13.27 | 0.00 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vita 220kV | 09/01/2020 16:30:00 | 67 | 15225.0 | 2002.5 | 0.0 | -2002.5 | 13.15 | 0.00 | -4.159 | 0.000000 |
| Vita 220kV | 09/01/2020 16:45:00 | 68 | 15225.0 | 2005.0 | 0.0 | -2005.0 | 13.17 | 0.00 | 3.839 | 0.000000 |
| Vita 220kV | 09/01/2020 17:00:00 | 69 | 15225.0 | 1745.0 | 0.0 | -1745.0 | 11.46 | 0.00 | 1.727 | 0.000000 |
| Vita 220kV | 09/01/2020 17:15:00 | 70 | 15225.0 | 1677.5 | 0.0 | -1677.5 | 11.02 | 0.00 | 3.839 | 576.583183 |
| Vita 220kV | 09/01/2020 17:30:00 | 71 | 15225.0 | 1682.5 | 0.0 | -1682.5 | 11.05 | 0.00 | -2.879 | 0.000000 |
| Vita 220kV | 09/01/2020 17:45:00 | 72 | 15225.0 | 1687.5 | 0.0 | -1687.5 | 11.08 | 0.00 | -4.146 | 0.000000 |
| Vita 220kV | 09/01/2020 18:00:00 | 73 | 15225.0 | 1690.0 | 0.0 | -1690.0 | 11.1 | 0.00 | -3.349 | 0.000000 |
| Vita 220kV | 09/01/2020 18:15:00 | 74 | 15225.0 | 1695.0 | 0.0 | -1695.0 | 11.13 | 0.00 | -4.563 | 0.000000 |
| Vita 220kV | 09/01/2020 18:30:00 | 75 | 15225.0 | 1657.5 | 0.0 | -1657.5 | 10.89 | 0.00 | -3.839 | 0.000000 |
| Vita 220kV | 09/01/2020 18:45:00 | 76 | 15225.0 | 1545.0 | 0.0 | -1545.0 | 10.15 | 0.00 | -2.879 | 0.000000 |
| Vita 220kV | 09/01/2020 19:00:00 | 77 | 15225.0 | 1592.5 | 0.78 | -1591.72 | 10.45 | 0.00 | -3.199 | 0.000000 |
| Vita 220kV | 09/01/2020 19:15:00 | 78 | 15225.0 | 1567.5 | 82.81 | -1484.69 | 9.75 | 0.00 | -1.727 | 0.000000 |
| Vita 220kV | 09/01/2020 19:30:00 | 79 | 15225.0 | 1590.0 | 242.19 | -1347.81 | 8.85 | 0.00 | -1.442 | 0.000000 |
| Vita 220kV | 09/01/2020 19:45:00 | 80 | 15225.0 | 1597.5 | 354.69 | -1242.81 | 8.16 | 0.00 | -0.286 | 0.000000 |
| Vita 220kV | 09/01/2020 20:00:00 | 81 | 15225.0 | 1685.0 | 600.78 | -1084.22 | 7.12 | 0.00 | -1.070 | 0.000000 |
| Vita 220kV | 09/01/2020 20:15:00 | 82 | 15225.0 | 1690.0 | 1210.16 | -479.84 | 3.15 | 0.00 | -2.236 | 0.000000 |
| Vita 220kV | 09/01/2020 20:30:00 | 83 | 15225.0 | 1692.5 | 1542.19 | -150.31 | 0.99 | 0.00 | -4.799 | 0.000000 |
| Vita 220kV | 09/01/2020 20:45:00 | 84 | 15225.0 | 1702.5 | 1739.06 | 36.56 | 0.24 | 0.00 | -1.727 | 0.000000 |
| Vita 220kV | 09/01/2020 21:00:00 | 85 | 15225.0 | 1705.0 | 1727.34 | 22.34 | 0.15 | 0.00 | -1.727 | 0.000000 |
| Vita 220kV | 09/01/2020 21:15:00 | 86 | 15225.0 | 1710.0 | 1853.12 | 143.12 | 0.94 | 0.00 | 1.152 | 0.000000 |
| Vita 220kV | 09/01/2020 21:30:00 | 87 | 15225.0 | 1727.5 | 1882.03 | 154.53 | 1.01 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vita 220kV | 09/01/2020 21:45:00 | 88 | 15225.0 | 1737.5 | 1909.38 | 171.88 | 1.13 | 0.00 | -2.303 | 0.000000 |
| Vita 220kV | 09/01/2020 22:00:00 | 89 | 15225.0 | 1740.0 | 2292.97 | 552.97 | 3.63 | 0.00 | -2.795 | 0.000000 |
| Vita 220kV | 09/01/2020 22:15:00 | 90 | 15225.0 | 1742.5 | 2354.69 | 612.19 | 4.02 | 0.00 | -3.674 | 0.000000 |
| Vita 220kV | 09/01/2020 22:30:00 | 91 | 15225.0 | 1745.0 | 2208.59 | 463.59 | 3.04 | 0.00 | -2.303 | 0.000000 |
| Vita 220kV | 09/01/2020 22:45:00 | 92 | 15225.0 | 1677.5 | 2485.16 | 807.66 | 5.3 | 0.00 | -1.152 | 0.000000 |
| Vita 220kV | 09/01/2020 23:00:00 | 93 | 15225.0 | 1682.5 | 2131.25 | 448.75 | 2.95 | 0.00 | 0.000 | 0.000000 |
| Vita 220kV | 09/01/2020 23:15:00 | 94 | 15225.0 | 1687.5 | 2367.97 | 680.47 | 4.47 | 0.00 | -0.576 | 0.000000 |
| Vita 220kV | 09/01/2020 23:30:00 | 95 | 15225.0 | 1690.0 | 2571.87 | 881.87 | 5.79 | 0.00 | -0.576 | 0.000000 |
| Vita 220kV | 09/01/2020 23:45:00 | 96 | 15225.0 | 1695.0 | 2689.06 | 994.06 | 6.53 | 0.00 | -0.987 | 0.000000 |
| Vita 220kV | 10/01/2020 00:00:00 | 1 | 15225.0 | 4145.0 | 2548.44 | -1596.56 | 10.49 | 0.00 | -0.680 | 0.000000 |
| Vita 220kV | 10/01/2020 00:15:00 | 2 | 15225.0 | 4172.5 | 3003.91 | -1168.59 | 7.68 | 0.00 | -3.326 | 0.000000 |
| Vita 220kV | 10/01/2020 00:30:00 | 3 | 15225.0 | 4177.5 | 3460.16 | -717.34 | 4.71 | 0.00 | -2.992 | 0.000000 |
| Vita 220kV | 10/01/2020 00:45:00 | 4 | 15225.0 | 4180.0 | 3763.28 | -416.72 | 2.74 | 0.00 | -0.532 | 0.000000 |
| Vita 220kV | 10/01/2020 01:00:00 | 5 | 15225.0 | 4185.0 | 3976.56 | -208.44 | 1.37 | 0.00 | -0.713 | 0.000000 |
| Vita 220kV | 10/01/2020 01:15:00 | 6 | 15225.0 | 4212.5 | 4214.84 | 2.34 | 0.02 | 0.00 | -0.548 | 0.000000 |
| Vita 220kV | 10/01/2020 01:30:00 | 7 | 15225.0 | 4477.5 | 4530.47 | 52.97 | 0.35 | 0.00 | -2.658 | 0.000000 |
| Vita 220kV | 10/01/2020 01:45:00 | 8 | 15225.0 | 4087.5 | 4821.09 | 733.59 | 4.82 | 0.00 | 2.127 | 0.000000 |
| Vita 220kV | 10/01/2020 02:00:00 | 9 | 15225.0 | 4135.0 | 5068.75 | 933.75 | 6.13 | 0.00 | 5.342 | 0.000000 |
| Vita 220kV | 10/01/2020 02:15:00 | 10 | 15225.0 | 4145.0 | 5348.44 | 1203.44 | 7.9 | 0.00 | 1.595 | 0.000000 |
| Vita 220kV | 10/01/2020 02:30:00 | 11 | 15225.0 | 4330.0 | 5333.59 | 1003.59 | 6.59 | 0.00 | 3.326 | 0.000000 |
| Vita 220kV | 10/01/2020 02:45:00 | 12 | 15225.0 | 4380.0 | 5231.25 | 851.25 | 5.59 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vita 220kV | 10/01/2020 03:00:00 | 13 | 15225.0 | 4425.0 | 5003.91 | 578.91 | 3.8 | 0.00 | 2.658 | 0.000000 |
| Vita 220kV | 10/01/2020 03:15:00 | 14 | 15225.0 | 4322.5 | 5123.44 | 800.94 | 5.26 | 0.00 | 2.127 | 0.000000 |
| Vita 220kV | 10/01/2020 03:30:00 | 15 | 15225.0 | 4300.0 | 5346.09 | 1046.09 | 6.87 | 0.00 | 2.127 | 0.000000 |
| Vita 220kV | 10/01/2020 03:45:00 | 16 | 15225.0 | 4272.5 | 5709.38 | 1436.88 | 9.44 | 0.00 | -1.063 | 0.000000 |
| Vita 220kV | 10/01/2020 04:00:00 | 17 | 15225.0 | 4227.5 | 6180.47 | 1952.97 | 12.83 | 0.00 | 1.595 | 0.000000 |
| Vita 220kV | 10/01/2020 04:15:00 | 18 | 15225.0 | 4192.5 | 6210.16 | 2017.66 | 13.25 | 0.00 | 3.326 | 0.000000 |
| Vita 220kV | 10/01/2020 04:30:00 | 19 | 15225.0 | 4175.0 | 6087.5 | 1912.5 | 12.56 | 0.00 | 3.326 | 0.000000 |
| Vita 220kV | 10/01/2020 04:45:00 | 20 | 15225.0 | 4140.0 | 5432.03 | 1292.03 | 8.49 | 0.00 | 2.127 | 0.000000 |
| Vita 220kV | 10/01/2020 05:00:00 | 21 | 15225.0 | 4080.0 | 5152.34 | 1072.34 | 7.04 | 0.00 | 2.992 | 0.000000 |
| Vita 220kV | 10/01/2020 05:15:00 | 22 | 15225.0 | 4047.5 | 5318.75 | 1271.25 | 8.35 | 0.00 | 1.063 | 0.000000 |
| Vita 220kV | 10/01/2020 05:30:00 | 23 | 15225.0 | 3952.5 | 5489.06 | 1536.56 | 10.09 | 0.00 | -2.658 | 0.000000 |
| Vita 220kV | 10/01/2020 05:45:00 | 24 | 15225.0 | 3837.5 | 5372.66 | 1535.16 | 10.08 | 0.00 | 2.127 | 0.000000 |
| Vita 220kV | 10/01/2020 06:00:00 | 25 | 15225.0 | 3207.5 | 5454.69 | 2247.19 | 14.76 | 0.00 | -2.127 | 0.000000 |
| Vita 220kV | 10/01/2020 06:15:00 | 26 | 15225.0 | 3082.5 | 5303.12 | 2220.62 | 14.59 | 0.00 | 2.658 | 0.000000 |
| Vita 220kV | 10/01/2020 06:30:00 | 27 | 15225.0 | 6627.5 | 5276.56 | -1350.94 | 8.87 | 0.00 | -2.992 | 0.000000 |
| Vita 220kV | 10/01/2020 06:45:00 | 28 | 15225.0 | 7190.0 | 5242.19 | -1947.81 | 12.79 | 0.00 | -3.077 | 0.000000 |
| Vita 220kV | 10/01/2020 07:00:00 | 29 | 15225.0 | 7290.0 | 5302.34 | -1987.66 | 13.06 | 0.00 | -0.687 | 0.000000 |
| Vita 220kV | 10/01/2020 07:15:00 | 30 | 15225.0 | 7455.0 | 5146.09 | -2308.91 | 15.17 | 12.58 | -2.658 | 0.000000 |
| Vita 220kV | 10/01/2020 07:30:00 | 31 | 15225.0 | 8700.0 | 5022.65 | -3677.35 | 24.15 | 696.80 | -1.063 | 0.000000 |
| Vita 220kV | 10/01/2020 07:45:00 | 32 | 15225.0 | 8670.0 | 4901.56 | -3768.44 | 24.75 | 742.35 | -2.658 | 0.000000 |
| Vita 220kV | 10/01/2020 08:00:00 | 33 | 15225.0 | 8652.5 | 4746.88 | -3905.62 | 25.65 | 860.62 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vita 220kV | 10/01/2020 08:15:00 | 34 | 15225.0 | 8672.5 | 4427.34 | -4245.16 | 27.88 | 1200.16 | -4.661 | 0.000000 |
| Vita 220kV | 10/01/2020 08:30:00 | 35 | 15225.0 | 8940.0 | 4260.94 | -4679.06 | 30.73 | 1634.06 | 5.663 | 0.000000 |
| Vita 220kV | 10/01/2020 08:45:00 | 36 | 15225.0 | 9070.0 | 1325.0 | -7745.0 | 50.87 | 5908.13 | 4.328 | 0.000000 |
| Vita 220kV | 10/01/2020 09:00:00 | 37 | 15225.0 | 7347.5 | 1818.75 | -5528.75 | 36.31 | 2583.75 | -4.995 | 0.000000 |
| Vita 220kV | 10/01/2020 09:15:00 | 38 | 15225.0 | 7415.0 | 3093.75 | -4321.25 | 28.38 | 1276.25 | -4.327 | 0.000000 |
| Vita 220kV | 10/01/2020 09:30:00 | 39 | 15225.0 | 7147.5 | 3196.88 | -3950.62 | 25.95 | 905.62 | -2.127 | 0.000000 |
| Vita 220kV | 10/01/2020 09:45:00 | 40 | 15225.0 | 6902.5 | 3191.41 | -3711.09 | 24.37 | 713.67 | -1.152 | 0.000000 |
| Vita 220kV | 10/01/2020 10:00:00 | 41 | 15225.0 | 6647.5 | 3131.25 | -3516.25 | 23.1 | 616.25 | 0.000 | 0.000000 |
| Vita 220kV | 10/01/2020 10:15:00 | 42 | 15225.0 | 6412.5 | 3353.91 | -3058.59 | 20.09 | 387.42 | -0.532 | 0.000000 |
| Vita 220kV | 10/01/2020 10:30:00 | 43 | 15225.0 | 5162.5 | 3551.56 | -1610.94 | 10.58 | 0.00 | -1.063 | 0.000000 |
| Vita 220kV | 10/01/2020 10:45:00 | 44 | 15225.0 | 4912.5 | 3489.84 | -1422.66 | 9.34 | 0.00 | 0.000 | 0.000000 |
| Vita 220kV | 10/01/2020 11:00:00 | 45 | 15225.0 | 4655.0 | 3525.78 | -1129.22 | 7.42 | 0.00 | 2.658 | 0.000000 |
| Vita 220kV | 10/01/2020 11:15:00 | 46 | 15225.0 | 4457.5 | 3741.41 | -716.09 | 4.7 | 0.00 | 0.000 | 0.000000 |
| Vita 220kV | 10/01/2020 11:30:00 | 47 | 15225.0 | 5162.5 | 3251.56 | -1910.94 | 12.55 | 0.00 | -1.595 | 0.000000 |
| Vita 220kV | 10/01/2020 11:45:00 | 48 | 15225.0 | 4912.5 | 2967.97 | -1944.53 | 12.77 | 0.00 | 2.992 | 0.000000 |
| Vita 220kV | 10/01/2020 12:00:00 | 49 | 15225.0 | 5162.5 | 2518.75 | -2643.75 | 17.36 | 180.00 | 0.000 | 0.000000 |
| Vita 220kV | 10/01/2020 12:15:00 | 50 | 15225.0 | 4912.5 | 2150.78 | -2761.72 | 18.14 | 238.99 | 2.127 | 0.000000 |
| Vita 220kV | 10/01/2020 12:30:00 | 51 | 15225.0 | 4655.0 | 1430.47 | -3224.53 | 21.18 | 470.39 | 1.595 | 0.000000 |
| Vita 220kV | 10/01/2020 12:45:00 | 52 | 15225.0 | 4457.5 | 807.03 | -3650.47 | 23.98 | 683.36 | -1.063 | 0.000000 |
| Vita 220kV | 10/01/2020 13:00:00 | 53 | 15225.0 | 4655.0 | 528.91 | -4126.09 | 27.1 | 1081.09 | 2.658 | 0.000000 |
| Vita 220kV | 10/01/2020 13:15:00 | 54 | 15225.0 | 4457.5 | 654.69 | -3802.81 | 24.98 | 759.53 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vita 220kV | 10/01/2020 13:30:00 | 55 | 15225.0 | 2912.5 | 745.31 | -2167.19 | 14.23 | 0.00 | 2.127 | 0.000000 |
| Vita 220kV | 10/01/2020 13:45:00 | 56 | 15225.0 | 2662.5 | 447.66 | -2214.84 | 14.55 | 0.00 | -3.326 | 0.000000 |
| Vita 220kV | 10/01/2020 14:00:00 | 57 | 15225.0 | 2405.0 | 264.06 | -2140.94 | 14.06 | 0.00 | -2.992 | 0.000000 |
| Vita 220kV | 10/01/2020 14:15:00 | 58 | 15225.0 | 2207.5 | 270.31 | -1937.19 | 12.72 | 0.00 | 3.660 | 0.000000 |
| Vita 220kV | 10/01/2020 14:30:00 | 59 | 15225.0 | 2912.5 | 183.59 | -2728.91 | 17.92 | 222.58 | -2.127 | 0.000000 |
| Vita 220kV | 10/01/2020 14:45:00 | 60 | 15225.0 | 2662.5 | 273.44 | -2389.06 | 15.69 | 52.66 | -2.127 | 0.000000 |
| Vita 220kV | 10/01/2020 15:00:00 | 61 | 15225.0 | 2405.0 | 303.91 | -2101.09 | 13.8 | 0.00 | 0.000 | 0.000000 |
| Vita 220kV | 10/01/2020 15:15:00 | 62 | 15225.0 | 2207.5 | 312.5 | -1895.0 | 12.45 | 0.00 | -2.992 | 0.000000 |
| Vita 220kV | 10/01/2020 15:30:00 | 63 | 15225.0 | 2912.5 | 146.88 | -2765.62 | 18.16 | 240.94 | -4.995 | 0.000000 |
| Vita 220kV | 10/01/2020 15:45:00 | 64 | 15225.0 | 2662.5 | 125.0 | -2537.5 | 16.67 | 126.88 | -4.327 | 0.000000 |
| Vita 220kV | 10/01/2020 16:00:00 | 65 | 15225.0 | 2405.0 | 122.66 | -2282.34 | 14.99 | 0.00 | -4.995 | 0.000000 |
| Vita 220kV | 10/01/2020 16:15:00 | 66 | 15225.0 | 2207.5 | 59.38 | -2148.12 | 14.11 | 0.00 | -8.000 | 0.000000 |
| Vita 220kV | 10/01/2020 16:30:00 | 67 | 15225.0 | 2912.5 | 21.09 | -2891.41 | 18.99 | 303.83 | -8.000 | 0.000000 |
| Vita 220kV | 10/01/2020 16:45:00 | 68 | 15225.0 | 2662.5 | 10.16 | -2652.34 | 17.42 | 184.30 | 4.327 | 0.000000 |
| Vita 220kV | 10/01/2020 17:00:00 | 69 | 15225.0 | 2405.0 | 0.0 | -2405.0 | 15.8 | 60.63 | 0.532 | 0.000000 |
| Vita 220kV | 10/01/2020 17:15:00 | 70 | 15225.0 | 2207.5 | 1.56 | -2205.94 | 14.49 | 0.00 | -1.595 | 0.000000 |
| Vita 220kV | 10/01/2020 17:30:00 | 71 | 15225.0 | 2912.5 | 0.78 | -2911.72 | 19.12 | 313.99 | -2.658 | 0.000000 |
| Vita 220kV | 10/01/2020 17:45:00 | 72 | 15225.0 | 2662.5 | 0.78 | -2661.72 | 17.48 | 188.99 | -2.127 | 0.000000 |
| Vita 220kV | 10/01/2020 18:00:00 | 73 | 15225.0 | 2107.5 | 10.94 | -2096.56 | 13.77 | 0.00 | -1.461 | 0.000000 |
| Vita 220kV | 10/01/2020 18:15:00 | 74 | 15225.0 | 1955.0 | 53.12 | -1901.88 | 12.49 | 0.00 | 3.326 | 668.351443 |
| Vita 220kV | 10/01/2020 18:30:00 | 75 | 15225.0 | 2155.0 | 171.87 | -1983.13 | 13.03 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vita 220kV | 10/01/2020 18:45:00 | 76 | 15225.0 | 1790.0 | 241.41 | -1548.59 | 10.17 | 0.00 | 3.994 | 258.497447 |
| Vita 220kV | 10/01/2020 19:00:00 | 77 | 15225.0 | 2155.0 | 277.34 | -1877.66 | 12.33 | 0.00 | -2.127 | 0.000000 |
| Vita 220kV | 10/01/2020 19:15:00 | 78 | 15225.0 | 2207.5 | 308.59 | -1898.91 | 12.47 | 0.00 | -2.658 | 0.000000 |
| Vita 220kV | 10/01/2020 19:30:00 | 79 | 15225.0 | 2107.5 | 240.62 | -1866.88 | 12.26 | 0.00 | -3.660 | 0.000000 |
| Vita 220kV | 10/01/2020 19:45:00 | 80 | 15225.0 | 1955.0 | 339.84 | -1615.16 | 10.61 | 0.00 | -3.326 | 0.000000 |
| Vita 220kV | 10/01/2020 20:00:00 | 81 | 15225.0 | 2155.0 | 443.75 | -1711.25 | 11.24 | 0.00 | 3.660 | 417.149441 |
| Vita 220kV | 10/01/2020 20:15:00 | 82 | 15225.0 | 1790.0 | 692.97 | -1097.03 | 7.21 | 0.00 | 3.660 | 1148.427518 |
| Vita 220kV | 10/01/2020 20:30:00 | 83 | 15225.0 | 2405.0 | 622.66 | -1782.34 | 11.71 | 0.00 | 4.995 | 2648.844124 |
| Vita 220kV | 10/01/2020 20:45:00 | 84 | 15225.0 | 2207.5 | 700.0 | -1507.5 | 9.9 | 0.00 | 2.992 | 1584.276240 |
| Vita 220kV | 10/01/2020 21:00:00 | 85 | 15225.0 | 2155.0 | 655.47 | -1499.53 | 9.85 | 0.00 | -3.660 | 0.000000 |
| Vita 220kV | 10/01/2020 21:15:00 | 86 | 15225.0 | 1790.0 | 691.41 | -1098.59 | 7.22 | 0.00 | -1.595 | 0.000000 |
| Vita 220kV | 10/01/2020 21:30:00 | 87 | 15225.0 | 2155.0 | 792.97 | -1362.03 | 8.95 | 0.00 | -1.063 | 0.000000 |
| Vita 220kV | 10/01/2020 21:45:00 | 88 | 15225.0 | 2207.5 | 909.38 | -1298.12 | 8.53 | 0.00 | -0.532 | 0.000000 |
| Vita 220kV | 10/01/2020 22:00:00 | 89 | 15225.0 | 2155.0 | 1015.62 | -1139.38 | 7.48 | 0.00 | -1.595 | 0.000000 |
| Vita 220kV | 10/01/2020 22:15:00 | 90 | 15225.0 | 1790.0 | 1166.41 | -623.59 | 4.1 | 0.00 | -2.127 | 0.000000 |
| Vita 220kV | 10/01/2020 22:30:00 | 91 | 15225.0 | 2155.0 | 1294.53 | -860.47 | 5.65 | 0.00 | 1.063 | 0.000000 |
| Vita 220kV | 10/01/2020 22:45:00 | 92 | 15225.0 | 2207.5 | 1596.88 | -610.62 | 4.01 | 0.00 | -2.658 | 0.000000 |
| Vita 220kV | 10/01/2020 23:00:00 | 93 | 15225.0 | 2107.5 | 1896.09 | -211.41 | 1.39 | 0.00 | -2.658 | 0.000000 |
| Vita 220kV | 10/01/2020 23:15:00 | 94 | 15225.0 | 1955.0 | 2267.97 | 312.97 | 2.06 | 0.00 | 0.000 | 0.000000 |
| Vita 220kV | 10/01/2020 23:30:00 | 95 | 15225.0 | 2155.0 | 2629.69 | 474.69 | 3.12 | 0.00 | 0.000 | 0.000000 |
| Vita 220kV | 10/01/2020 23:45:00 | 96 | 15225.0 | 1790.0 | 3425.78 | 1635.78 | 10.74 | 0.00 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vita 220kV | 11/01/2020 00:00:00 | 1 | 15225.0 | 4867.5 | 4745.31 | -122.19 | 0.8 | 0.00 | 0.000 | 0.000000 |
| Vita 220kV | 11/01/2020 00:15:00 | 2 | 15225.0 | 4947.5 | 5324.22 | 376.72 | 2.47 | 0.00 | -2.629 | 0.000000 |
| Vita 220kV | 11/01/2020 00:30:00 | 3 | 15225.0 | 4927.5 | 5447.65 | 520.15 | 3.42 | 0.00 | -1.577 | 0.000000 |
| Vita 220kV | 11/01/2020 00:45:00 | 4 | 15225.0 | 4882.5 | 6010.16 | 1127.66 | 7.41 | 0.00 | 2.103 | 0.000000 |
| Vita 220kV | 11/01/2020 01:00:00 | 5 | 15225.0 | 4847.5 | 6201.56 | 1354.06 | 8.89 | 0.00 | 2.964 | 0.000000 |
| Vita 220kV | 11/01/2020 01:15:00 | 6 | 15225.0 | 4810.0 | 6260.94 | 1450.94 | 9.53 | 0.00 | 1.052 | 0.000000 |
| Vita 220kV | 11/01/2020 01:30:00 | 7 | 15225.0 | 4572.5 | 6218.75 | 1646.25 | 10.81 | 0.00 | 1.577 | 0.000000 |
| Vita 220kV | 11/01/2020 01:45:00 | 8 | 15225.0 | 4305.0 | 6470.31 | 2165.31 | 14.22 | 0.00 | -0.526 | 0.000000 |
| Vita 220kV | 11/01/2020 02:00:00 | 9 | 15225.0 | 4010.0 | 6548.44 | 2538.44 | 16.67 | 127.35 | -0.403 | 0.000000 |
| Vita 220kV | 11/01/2020 02:15:00 | 10 | 15225.0 | 3745.0 | 6327.34 | 2582.34 | 16.96 | 149.30 | -0.630 | 0.000000 |
| Vita 220kV | 11/01/2020 02:30:00 | 11 | 15225.0 | 3487.5 | 6286.72 | 2799.22 | 18.39 | 257.74 | -0.526 | 0.000000 |
| Vita 220kV | 11/01/2020 02:45:00 | 12 | 15225.0 | 3205.0 | 6014.84 | 2809.84 | 18.46 | 263.05 | -0.526 | -133.806645 |
| Vita 220kV | 11/01/2020 03:00:00 | 13 | 15225.0 | 3967.5 | 5860.94 | 1893.44 | 12.44 | 0.00 | -1.051 | 0.000000 |
| Vita 220kV | 11/01/2020 03:15:00 | 14 | 15225.0 | 3735.0 | 5501.56 | 1766.56 | 11.6 | 0.00 | 0.000 | 0.000000 |
| Vita 220kV | 11/01/2020 03:30:00 | 15 | 15225.0 | 3457.5 | 5317.19 | 1859.69 | 12.21 | 0.00 | 0.000 | 0.000000 |
| Vita 220kV | 11/01/2020 03:45:00 | 16 | 15225.0 | 3120.0 | 5430.47 | 2310.47 | 15.18 | 13.36 | 0.000 | 0.000000 |
| Vita 220kV | 11/01/2020 04:00:00 | 17 | 15225.0 | 2775.0 | 5481.25 | 2706.25 | 17.78 | 211.25 | 0.000 | 0.000000 |
| Vita 220kV | 11/01/2020 04:15:00 | 18 | 15225.0 | 2442.5 | 5560.16 | 3117.66 | 20.48 | 416.96 | -1.051 | 0.000000 |
| Vita 220kV | 11/01/2020 04:30:00 | 19 | 15225.0 | 2407.5 | 5794.53 | 3387.03 | 22.25 | 551.64 | -2.964 | 0.000000 |
| Vita 220kV | 11/01/2020 04:45:00 | 20 | 15225.0 | 2290.0 | 5740.62 | 3450.62 | 22.66 | 583.44 | -3.300 | 0.000000 |
| Vita 220kV | 11/01/2020 05:00:00 | 21 | 15225.0 | 2120.0 | 5880.47 | 3760.47 | 24.7 | 738.36 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vita 220kV | 11/01/2020 05:15:00 | 22 | 15225.0 | 2060.0 | 5941.41 | 3881.41 | 25.49 | 836.41 | 5.314 | 0.000000 |
| Vita 220kV | 11/01/2020 05:30:00 | 23 | 15225.0 | 2027.5 | 5955.47 | 3927.97 | 25.8 | 882.97 | 2.964 | 0.000000 |
| Vita 220kV | 11/01/2020 05:45:00 | 24 | 15225.0 | 1965.0 | 5857.03 | 3892.03 | 25.56 | 847.03 | 2.103 | 0.000000 |
| Vita 220kV | 11/01/2020 06:00:00 | 25 | 15225.0 | 1657.5 | 5833.59 | 4176.09 | 27.43 | 1131.09 | 3.636 | 0.000000 |
| Vita 220kV | 11/01/2020 06:15:00 | 26 | 15225.0 | 4910.0 | 5610.94 | 700.94 | 4.6 | 0.00 | 2.964 | 0.000000 |
| Vita 220kV | 11/01/2020 06:30:00 | 27 | 15225.0 | 5045.0 | 4992.97 | -52.03 | 0.34 | 0.00 | 4.105 | 38.222849 |
| Vita 220kV | 11/01/2020 06:45:00 | 28 | 15225.0 | 5122.5 | 4596.1 | -526.4 | 3.46 | 0.00 | 5.650 | 81.408970 |
| Vita 220kV | 11/01/2020 07:00:00 | 29 | 15225.0 | 5197.5 | 4414.06 | -783.44 | 5.15 | 0.00 | 3.300 | 0.000000 |
| Vita 220kV | 11/01/2020 07:15:00 | 30 | 15225.0 | 5325.0 | 4346.88 | -978.12 | 6.42 | 0.00 | 5.314 | 0.000000 |
| Vita 220kV | 11/01/2020 07:30:00 | 31 | 15225.0 | 5080.0 | 4313.28 | -766.72 | 5.04 | 0.00 | 2.964 | 0.000000 |
| Vita 220kV | 11/01/2020 07:45:00 | 32 | 15225.0 | 4855.0 | 3520.31 | -1334.69 | 8.77 | 0.00 | 2.103 | 0.000000 |
| Vita 220kV | 11/01/2020 08:00:00 | 33 | 15225.0 | 4665.0 | 3328.13 | -1336.87 | 8.78 | 0.00 | -1.577 | 0.000000 |
| Vita 220kV | 11/01/2020 08:15:00 | 34 | 15225.0 | 4442.5 | 3010.94 | -1431.56 | 9.4 | 0.00 | 3.300 | 0.000000 |
| Vita 220kV | 11/01/2020 08:30:00 | 35 | 15225.0 | 4692.5 | 2592.97 | -2099.53 | 13.79 | 0.00 | 2.116 | 0.000000 |
| Vita 220kV | 11/01/2020 08:45:00 | 36 | 15225.0 | 5012.5 | 2815.62 | -2196.88 | 14.43 | 0.00 | 2.964 | 0.000000 |
| Vita 220kV | 11/01/2020 09:00:00 | 37 | 15225.0 | 4515.0 | 3070.31 | -1444.69 | 9.49 | 0.00 | 6.681 | 0.000000 |
| Vita 220kV | 11/01/2020 09:15:00 | 38 | 15225.0 | 4710.0 | 2839.84 | -1870.16 | 12.28 | 0.00 | 6.657 | 0.000000 |
| Vita 220kV | 11/01/2020 09:30:00 | 39 | 15225.0 | 3862.5 | 2206.25 | -1656.25 | 10.88 | 0.00 | -6.322 | 0.000000 |
| Vita 220kV | 11/01/2020 09:45:00 | 40 | 15225.0 | 3817.5 | 1636.72 | -2180.78 | 14.32 | 0.00 | -2.103 | 0.000000 |
| Vita 220kV | 11/01/2020 10:00:00 | 41 | 15225.0 | 3765.0 | 1222.66 | -2542.34 | 16.7 | 129.30 | 0.526 | 0.000000 |
| Vita 220kV | 11/01/2020 10:15:00 | 42 | 15225.0 | 3725.0 | 841.41 | -2883.59 | 18.94 | 299.92 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vita 220kV | 11/01/2020 10:30:00 | 43 | 15225.0 | 3942.5 | 494.53 | -3447.97 | 22.65 | 582.11 | 0.000 | 0.000000 |
| Vita 220kV | 11/01/2020 10:45:00 | 44 | 15225.0 | 3897.5 | 293.75 | -3603.75 | 23.67 | 660.00 | 0.000 | 0.000000 |
| Vita 220kV | 11/01/2020 11:00:00 | 45 | 15225.0 | 3862.5 | 126.56 | -3735.94 | 24.54 | 726.10 | 0.000 | 0.000000 |
| Vita 220kV | 11/01/2020 11:15:00 | 46 | 15225.0 | 3817.5 | 117.97 | -3699.53 | 24.3 | 707.89 | -2.964 | 0.000000 |
| Vita 220kV | 11/01/2020 11:30:00 | 47 | 15225.0 | 3765.0 | 82.81 | -3682.19 | 24.19 | 699.22 | -4.307 | 0.000000 |
| Vita 220kV | 11/01/2020 11:45:00 | 48 | 15225.0 | 3725.0 | 9.38 | -3715.62 | 24.4 | 715.94 | -3.300 | 0.000000 |
| Vita 220kV | 11/01/2020 12:00:00 | 49 | 15225.0 | 2662.5 | 1.56 | -2660.94 | 17.48 | 188.60 | -0.526 | 0.000000 |
| Vita 220kV | 11/01/2020 12:15:00 | 50 | 15225.0 | 2480.0 | 0.0 | -2480.0 | 16.29 | 98.13 | -2.103 | 0.000000 |
| Vita 220kV | 11/01/2020 12:30:00 | 51 | 15225.0 | 2300.0 | 1.56 | -2298.44 | 15.1 | 7.35 | -2.629 | 0.000000 |
| Vita 220kV | 11/01/2020 12:45:00 | 52 | 15225.0 | 2202.5 | 1.56 | -2200.94 | 14.46 | 0.00 | -2.629 | 0.000000 |
| Vita 220kV | 11/01/2020 13:00:00 | 53 | 15225.0 | 2122.5 | 2.34 | -2120.16 | 13.93 | 0.00 | 0.000 | 0.000000 |
| Vita 220kV | 11/01/2020 13:15:00 | 54 | 15225.0 | 1990.0 | 0.0 | -1990.0 | 13.07 | 0.00 | -2.103 | 0.000000 |
| Vita 220kV | 11/01/2020 13:30:00 | 55 | 15225.0 | 1907.5 | 0.0 | -1907.5 | 12.53 | 0.00 | 2.629 | 0.000000 |
| Vita 220kV | 11/01/2020 13:45:00 | 56 | 15225.0 | 1807.5 | 2.34 | -1805.16 | 11.86 | 0.00 | 2.103 | 0.000000 |
| Vita 220kV | 11/01/2020 14:00:00 | 57 | 15225.0 | 1990.0 | 1.56 | -1988.44 | 13.06 | 0.00 | 1.051 | 0.000000 |
| Vita 220kV | 11/01/2020 14:15:00 | 58 | 15225.0 | 1907.5 | 3.12 | -1904.38 | 12.51 | 0.00 | 3.300 | 0.000000 |
| Vita 220kV | 11/01/2020 14:30:00 | 59 | 15225.0 | 1807.5 | 14.06 | -1793.44 | 11.78 | 0.00 | -3.636 | 0.000000 |
| Vita 220kV | 11/01/2020 14:45:00 | 60 | 15225.0 | 1990.0 | 18.75 | -1971.25 | 12.95 | 0.00 | 4.979 | 0.000000 |
| Vita 220kV | 11/01/2020 15:00:00 | 61 | 15225.0 | 1907.5 | 53.91 | -1853.59 | 12.17 | 0.00 | -2.964 | 0.000000 |
| Vita 220kV | 11/01/2020 15:15:00 | 62 | 15225.0 | 1807.5 | 19.53 | -1787.97 | 11.74 | 0.00 | -5.314 | 0.000000 |
| Vita 220kV | 11/01/2020 15:30:00 | 63 | 15225.0 | 1990.0 | 16.41 | -1973.59 | 12.96 | 0.00 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vita 220kV | 11/01/2020 15:45:00 | 64 | 15225.0 | 1907.5 | 43.75 | -1863.75 | 12.24 | 0.00 | 4.643 | 0.000000 |
| Vita 220kV | 11/01/2020 16:00:00 | 65 | 15225.0 | 1807.5 | 12.5 | -1795.0 | 11.79 | 0.00 | 2.103 | 0.000000 |
| Vita 220kV | 11/01/2020 16:15:00 | 66 | 15225.0 | 1907.5 | 37.5 | -1870.0 | 12.28 | 0.00 | -2.964 | 0.000000 |
| Vita 220kV | 11/01/2020 16:30:00 | 67 | 15225.0 | 1807.5 | 60.16 | -1747.34 | 11.48 | 0.00 | -2.103 | 0.000000 |
| Vita 220kV | 11/01/2020 16:45:00 | 68 | 15225.0 | 1990.0 | 13.28 | -1976.72 | 12.98 | 0.00 | 3.972 | 0.000000 |
| Vita 220kV | 11/01/2020 17:00:00 | 69 | 15225.0 | 1907.5 | 225.78 | -1681.72 | 11.05 | 0.00 | -1.577 | 0.000000 |
| Vita 220kV | 11/01/2020 17:15:00 | 70 | 15225.0 | 1807.5 | 117.19 | -1690.31 | 11.1 | 0.00 | -1.577 | 0.000000 |
| Vita 220kV | 11/01/2020 17:30:00 | 71 | 15225.0 | 1990.0 | 2.34 | -1987.66 | 13.06 | 0.00 | 1.051 | 25.361239 |
| Vita 220kV | 11/01/2020 17:45:00 | 72 | 15225.0 | 1907.5 | 7.81 | -1899.69 | 12.48 | 0.00 | -2.103 | 0.000000 |
| Vita 220kV | 11/01/2020 18:00:00 | 73 | 15225.0 | 1807.5 | 133.59 | -1673.91 | 10.99 | 0.00 | -2.964 | 0.000000 |
| Vita 220kV | 11/01/2020 18:15:00 | 74 | 15225.0 | 1990.0 | 119.53 | -1870.47 | 12.29 | 0.00 | -2.629 | 0.000000 |
| Vita 220kV | 11/01/2020 18:30:00 | 75 | 15225.0 | 1907.5 | 258.59 | -1648.91 | 10.83 | 0.00 | 2.103 | 57.963299 |
| Vita 220kV | 11/01/2020 18:45:00 | 76 | 15225.0 | 1807.5 | 304.69 | -1502.81 | 9.87 | 0.00 | 0.526 | 154.679468 |
| Vita 220kV | 11/01/2020 19:00:00 | 77 | 15225.0 | 1907.5 | 410.94 | -1496.56 | 9.83 | 0.00 | 2.103 | 611.788555 |
| Vita 220kV | 11/01/2020 19:15:00 | 78 | 15225.0 | 1807.5 | 490.62 | -1316.88 | 8.65 | 0.00 | -1.052 | 0.000000 |
| Vita 220kV | 11/01/2020 19:30:00 | 79 | 15225.0 | 1990.0 | 717.97 | -1272.03 | 8.35 | 0.00 | 2.964 | 0.000000 |
| Vita 220kV | 11/01/2020 19:45:00 | 80 | 15225.0 | 1907.5 | 821.09 | -1086.41 | 7.14 | 0.00 | 2.629 | 808.111823 |
| Vita 220kV | 11/01/2020 20:00:00 | 81 | 15225.0 | 1807.5 | 1159.38 | -648.12 | 4.26 | 0.00 | 2.629 | 105.404213 |
| Vita 220kV | 11/01/2020 20:15:00 | 82 | 15225.0 | 1990.0 | 1441.41 | -548.59 | 3.6 | 0.00 | 4.307 | 294.195279 |
| Vita 220kV | 11/01/2020 20:30:00 | 83 | 15225.0 | 1907.5 | 1280.47 | -627.03 | 4.12 | 0.00 | 2.964 | 862.173295 |
| Vita 220kV | 11/01/2020 20:45:00 | 84 | 15225.0 | 1807.5 | 1330.47 | -477.03 | 3.13 | 0.00 | 2.629 | 563.039846 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vita 220kV | 11/01/2020 21:00:00 | 85 | 15225.0 | 1990.0 | 1300.78 | -689.22 | 4.53 | 0.00 | 3.636 | 147.746732 |
| Vita 220kV | 11/01/2020 21:15:00 | 86 | 15225.0 | 1907.5 | 1305.47 | -602.03 | 3.95 | 0.00 | -1.577 | 0.000000 |
| Vita 220kV | 11/01/2020 21:30:00 | 87 | 15225.0 | 1807.5 | 1503.91 | -303.59 | 1.99 | 0.00 | -1.577 | 0.000000 |
| Vita 220kV | 11/01/2020 21:45:00 | 88 | 15225.0 | 1907.5 | 1771.87 | -135.63 | 0.89 | 0.00 | -1.052 | 0.000000 |
| Vita 220kV | 11/01/2020 22:00:00 | 89 | 15225.0 | 1807.5 | 1982.03 | 174.53 | 1.15 | 0.00 | -5.650 | 0.000000 |
| Vita 220kV | 11/01/2020 22:15:00 | 90 | 15225.0 | 1990.0 | 2142.97 | 152.97 | 1.0 | 0.00 | -5.650 | 0.000000 |
| Vita 220kV | 11/01/2020 22:30:00 | 91 | 15225.0 | 2907.5 | 2142.19 | -765.31 | 5.03 | 0.00 | 4.979 | 368.999291 |
| Vita 220kV | 11/01/2020 22:45:00 | 92 | 15225.0 | 2807.5 | 2010.16 | -797.34 | 5.24 | 0.00 | 2.964 | 500.715873 |
| Vita 220kV | 11/01/2020 23:00:00 | 93 | 15225.0 | 2990.0 | 1686.72 | -1303.28 | 8.56 | 0.00 | 1.577 | 203.790948 |
| Vita 220kV | 11/01/2020 23:15:00 | 94 | 15225.0 | 2907.5 | 1574.22 | -1333.28 | 8.76 | 0.00 | 1.074 | 170.526107 |
| Vita 220kV | 11/01/2020 23:30:00 | 95 | 15225.0 | 2807.5 | 1716.41 | -1091.09 | 7.17 | 0.00 | 2.113 | 629.000738 |
| Vita 220kV | 11/01/2020 23:45:00 | 96 | 15225.0 | 2990.0 | 1739.84 | -1250.16 | 8.21 | 0.00 | 2.162 | 929.124356 |
| Vita 220kV | 12/01/2020 00:00:00 | 1 | 15225.0 | 4867.5 | 1978.12 | -2889.38 | 18.98 | 302.82 | 3.022 | 1777.164712 |
| Vita 220kV | 12/01/2020 00:15:00 | 2 | 15225.0 | 3760.0 | 2327.34 | -1432.66 | 9.41 | 0.00 | -2.152 | 0.000000 |
| Vita 220kV | 12/01/2020 00:30:00 | 3 | 15225.0 | 3757.5 | 2141.41 | -1616.09 | 10.61 | 0.00 | -2.152 | 0.000000 |
| Vita 220kV | 12/01/2020 00:45:00 | 4 | 15225.0 | 3752.5 | 1379.69 | -2372.81 | 15.58 | 44.53 | -3.022 | 0.000000 |
| Vita 220kV | 12/01/2020 01:00:00 | 5 | 15225.0 | 3750.0 | 332.03 | -3417.97 | 22.45 | 567.11 | -0.629 | 0.000000 |
| Vita 220kV | 12/01/2020 01:15:00 | 6 | 15225.0 | 3760.0 | 68.75 | -3691.25 | 24.24 | 703.75 | -3.317 | 0.000000 |
| Vita 220kV | 12/01/2020 01:30:00 | 7 | 15225.0 | 3875.0 | 887.5 | -2987.5 | 19.62 | 351.88 | -3.354 | 0.000000 |
| Vita 220kV | 12/01/2020 01:45:00 | 8 | 15225.0 | 3975.0 | 1118.75 | -2856.25 | 18.76 | 286.25 | -3.022 | 0.000000 |
| Vita 220kV | 12/01/2020 02:00:00 | 9 | 15225.0 | 4060.0 | 2307.81 | -1752.19 | 11.51 | 0.00 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vita 220kV | 12/01/2020 02:15:00 | 10 | 15225.0 | 4195.0 | 2205.47 | -1989.53 | 13.07 | 0.00 | -3.022 | 0.000000 |
| Vita 220kV | 12/01/2020 02:30:00 | 11 | 15225.0 | 4287.5 | 2389.06 | -1898.44 | 12.47 | 0.00 | -2.690 | 0.000000 |
| Vita 220kV | 12/01/2020 02:45:00 | 12 | 15225.0 | 4362.5 | 2627.34 | -1735.16 | 11.4 | 0.00 | -3.022 | 0.000000 |
| Vita 220kV | 12/01/2020 03:00:00 | 13 | 15225.0 | 4662.5 | 2935.94 | -1726.56 | 11.34 | 0.00 | 3.354 | 817.503757 |
| Vita 220kV | 12/01/2020 03:15:00 | 14 | 15225.0 | 4672.5 | 3214.84 | -1457.66 | 9.57 | 0.00 | 3.022 | 846.412103 |
| Vita 220kV | 12/01/2020 03:30:00 | 15 | 15225.0 | 4737.5 | 3432.03 | -1305.47 | 8.57 | 0.00 | 3.354 | 281.158556 |
| Vita 220kV | 12/01/2020 03:45:00 | 16 | 15225.0 | 4692.5 | 3971.09 | -721.41 | 4.74 | 0.00 | 2.152 | 0.000000 |
| Vita 220kV | 12/01/2020 04:00:00 | 17 | 15225.0 | 4867.5 | 3582.03 | -1285.47 | 8.44 | 0.00 | -2.152 | 0.000000 |
| Vita 220kV | 12/01/2020 04:15:00 | 18 | 15225.0 | 5087.5 | 3381.25 | -1706.25 | 11.21 | 0.00 | -3.022 | 0.000000 |
| Vita 220kV | 12/01/2020 04:30:00 | 19 | 15225.0 | 5855.0 | 3750.0 | -2105.0 | 13.83 | 0.00 | 1.076 | 0.000000 |
| Vita 220kV | 12/01/2020 04:45:00 | 20 | 15225.0 | 6097.5 | 3478.12 | -2619.38 | 17.2 | 167.82 | -3.022 | 0.000000 |
| Vita 220kV | 12/01/2020 05:00:00 | 21 | 15225.0 | 6355.0 | 3069.53 | -3285.47 | 21.58 | 500.86 | 3.686 | 0.000000 |
| Vita 220kV | 12/01/2020 05:15:00 | 22 | 15225.0 | 6652.5 | 3064.06 | -3588.44 | 23.57 | 652.35 | 3.686 | 3959.020165 |
| Vita 220kV | 12/01/2020 05:30:00 | 23 | 15225.0 | 7002.5 | 3110.94 | -3891.56 | 25.56 | 846.56 | -1.614 | 0.000000 |
| Vita 220kV | 12/01/2020 05:45:00 | 24 | 15225.0 | 7212.5 | 2988.28 | -4224.22 | 27.75 | 1179.22 | -0.496 | 0.000000 |
| Vita 220kV | 12/01/2020 06:00:00 | 25 | 15225.0 | 6647.5 | 2722.65 | -3924.85 | 25.78 | 879.85 | 0.000 | 0.000000 |
| Vita 220kV | 12/01/2020 06:15:00 | 26 | 15225.0 | 6577.5 | 2308.6 | -4268.9 | 28.04 | 1223.90 | -0.430 | 0.000000 |
| Vita 220kV | 12/01/2020 06:30:00 | 27 | 15225.0 | 6627.5 | 2039.06 | -4588.44 | 30.14 | 1543.44 | -2.152 | 0.000000 |
| Vita 220kV | 12/01/2020 06:45:00 | 28 | 15225.0 | 6722.5 | 2072.66 | -4649.84 | 30.54 | 1604.84 | 4.681 | 0.000000 |
| Vita 220kV | 12/01/2020 07:00:00 | 29 | 15225.0 | 6375.0 | 2224.22 | -4150.78 | 27.26 | 1105.78 | 1.614 | 0.000000 |
| Vita 220kV | 12/01/2020 07:15:00 | 30 | 15225.0 | 6012.5 | 2186.72 | -3825.78 | 25.13 | 780.78 | 3.838 | 3166.431392 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vita 220kV | 12/01/2020 07:30:00 | 31 | 15225.0 | 5972.5 | 2292.19 | -3680.31 | 24.17 | 698.28 | 3.022 | 0.000000 |
| Vita 220kV | 12/01/2020 07:45:00 | 32 | 15225.0 | 5365.0 | 2487.5 | -2877.5 | 18.9 | 296.88 | 2.690 | 0.000000 |
| Vita 220kV | 12/01/2020 08:00:00 | 33 | 15225.0 | 4845.0 | 2557.03 | -2287.97 | 15.03 | 2.11 | -2.690 | 0.000000 |
| Vita 220kV | 12/01/2020 08:15:00 | 34 | 15225.0 | 4420.0 | 2617.97 | -1802.03 | 11.84 | 0.00 | -4.018 | 0.000000 |
| Vita 220kV | 12/01/2020 08:30:00 | 35 | 15225.0 | 4420.0 | 2139.06 | -2280.94 | 14.98 | 0.00 | -2.690 | 0.000000 |
| Vita 220kV | 12/01/2020 08:45:00 | 36 | 15225.0 | 4315.0 | 1832.81 | -2482.19 | 16.3 | 99.22 | 3.022 | 0.000000 |
| Vita 220kV | 12/01/2020 09:00:00 | 37 | 15225.0 | 3402.5 | 1750.78 | -1651.72 | 10.85 | 0.00 | -3.354 | 0.000000 |
| Vita 220kV | 12/01/2020 09:15:00 | 38 | 15225.0 | 3437.5 | 1926.56 | -1510.94 | 9.92 | 0.00 | -4.350 | 0.000000 |
| Vita 220kV | 12/01/2020 09:30:00 | 39 | 15225.0 | 3367.5 | 2026.56 | -1340.94 | 8.81 | 0.00 | 2.152 | 0.000000 |
| Vita 220kV | 12/01/2020 09:45:00 | 40 | 15225.0 | 3275.0 | 1896.09 | -1378.91 | 9.06 | 0.00 | -2.690 | 0.000000 |
| Vita 220kV | 12/01/2020 10:00:00 | 41 | 15225.0 | 3205.0 | 1488.28 | -1716.72 | 11.28 | 0.00 | -3.354 | 0.000000 |
| Vita 220kV | 12/01/2020 10:15:00 | 42 | 15225.0 | 1990.0 | 1126.56 | -863.44 | 5.67 | 0.00 | -3.686 | 0.000000 |
| Vita 220kV | 12/01/2020 10:30:00 | 43 | 15225.0 | 1907.5 | 1002.34 | -905.16 | 5.95 | 0.00 | -1.614 | 0.000000 |
| Vita 220kV | 12/01/2020 10:45:00 | 44 | 15225.0 | 1807.5 | 1019.53 | -787.97 | 5.18 | 0.00 | 3.686 | 0.000000 |
| Vita 220kV | 12/01/2020 11:00:00 | 45 | 15225.0 | 1990.0 | 969.53 | -1020.47 | 6.7 | 0.00 | -3.354 | 0.000000 |
| Vita 220kV | 12/01/2020 11:15:00 | 46 | 15225.0 | 1912.5 | 507.81 | -1404.69 | 9.23 | 0.00 | -5.450 | 0.000000 |
| Vita 220kV | 12/01/2020 11:30:00 | 47 | 15225.0 | 1990.0 | 346.88 | -1643.12 | 10.79 | 0.00 | -6.009 | 0.000000 |
| Vita 220kV | 12/01/2020 11:45:00 | 48 | 15225.0 | 1907.5 | 117.97 | -1789.53 | 11.75 | 0.00 | 2.690 | 0.000000 |
| Vita 220kV | 12/01/2020 12:00:00 | 49 | 15225.0 | 1807.5 | 139.06 | -1668.44 | 10.96 | 0.00 | 3.686 | 0.000000 |
| Vita 220kV | 12/01/2020 12:15:00 | 50 | 15225.0 | 1990.0 | 137.5 | -1852.5 | 12.17 | 0.00 | -5.345 | 0.000000 |
| Vita 220kV | 12/01/2020 12:30:00 | 51 | 15225.0 | 1907.5 | 49.22 | -1858.28 | 12.21 | 0.00 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vita 220kV | 12/01/2020 12:45:00 | 52 | 15225.0 | 1807.5 | 61.72 | -1745.78 | 11.47 | 0.00 | -5.345 | 0.000000 |
| Vita 220kV | 12/01/2020 13:00:00 | 53 | 15225.0 | 1990.0 | 107.81 | -1882.19 | 12.36 | 0.00 | -3.999 | 0.000000 |
| Vita 220kV | 12/01/2020 13:15:00 | 54 | 15225.0 | 1907.5 | 35.94 | -1871.56 | 12.29 | 0.00 | -4.350 | 0.000000 |
| Vita 220kV | 12/01/2020 13:30:00 | 55 | 15225.0 | 1807.5 | 178.91 | -1628.59 | 10.7 | 0.00 | -1.076 | 0.000000 |
| Vita 220kV | 12/01/2020 13:45:00 | 56 | 15225.0 | 1907.5 | 146.09 | -1761.41 | 11.57 | 0.00 | -2.690 | 0.000000 |
| Vita 220kV | 12/01/2020 14:00:00 | 57 | 15225.0 | 1807.5 | 36.72 | -1770.78 | 11.63 | 0.00 | -0.538 | 0.000000 |
| Vita 220kV | 12/01/2020 14:15:00 | 58 | 15225.0 | 1990.0 | 35.16 | -1954.84 | 12.84 | 0.00 | -2.152 | 0.000000 |
| Vita 220kV | 12/01/2020 14:30:00 | 59 | 15225.0 | 1907.5 | 67.97 | -1839.53 | 12.08 | 0.00 | -2.690 | 0.000000 |
| Vita 220kV | 12/01/2020 14:45:00 | 60 | 15225.0 | 1807.5 | 71.09 | -1736.41 | 11.4 | 0.00 | -1.076 | 0.000000 |
| Vita 220kV | 12/01/2020 15:00:00 | 61 | 15225.0 | 1990.0 | 37.5 | -1952.5 | 12.82 | 0.00 | 0.000 | 0.000000 |
| Vita 220kV | 12/01/2020 15:15:00 | 62 | 15225.0 | 1907.5 | 38.28 | -1869.22 | 12.28 | 0.00 | -2.690 | 0.000000 |
| Vita 220kV | 12/01/2020 15:30:00 | 63 | 15225.0 | 1807.5 | 27.34 | -1780.16 | 11.69 | 0.00 | -3.022 | 0.000000 |
| Vita 220kV | 12/01/2020 15:45:00 | 64 | 15225.0 | 1990.0 | 14.06 | -1975.94 | 12.98 | 0.00 | -3.686 | 0.000000 |
| Vita 220kV | 12/01/2020 16:00:00 | 65 | 15225.0 | 1907.5 | 15.62 | -1891.88 | 12.43 | 0.00 | -3.737 | 0.000000 |
| Vita 220kV | 12/01/2020 16:15:00 | 66 | 15225.0 | 1807.5 | 11.72 | -1795.78 | 11.79 | 0.00 | -5.786 | 0.000000 |
| Vita 220kV | 12/01/2020 16:30:00 | 67 | 15225.0 | 1907.5 | 8.59 | -1898.91 | 12.47 | 0.00 | -4.350 | 0.000000 |
| Vita 220kV | 12/01/2020 16:45:00 | 68 | 15225.0 | 1807.5 | 14.06 | -1793.44 | 11.78 | 0.00 | -1.614 | 0.000000 |
| Vita 220kV | 12/01/2020 17:00:00 | 69 | 15225.0 | 1990.0 | 4.69 | -1985.31 | 13.04 | 0.00 | 0.000 | 0.000000 |
| Vita 220kV | 12/01/2020 17:15:00 | 70 | 15225.0 | 1907.5 | 0.0 | -1907.5 | 12.53 | 0.00 | 2.690 | 494.526545 |
| Vita 220kV | 12/01/2020 17:30:00 | 71 | 15225.0 | 1807.5 | 0.0 | -1807.5 | 11.87 | 0.00 | -3.022 | 0.000000 |
| Vita 220kV | 12/01/2020 17:45:00 | 72 | 15225.0 | 1990.0 | 0.0 | -1990.0 | 13.07 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vita 220kV | 12/01/2020 18:00:00 | 73 | 15225.0 | 1907.5 | 0.0 | -1907.5 | 12.53 | 0.00 | -0.538 | 0.000000 |
| Vita 220kV | 12/01/2020 18:15:00 | 74 | 15225.0 | 1807.5 | 0.0 | -1807.5 | 11.87 | 0.00 | -4.350 | 0.000000 |
| Vita 220kV | 12/01/2020 18:30:00 | 75 | 15225.0 | 1990.0 | 0.0 | -1990.0 | 13.07 | 0.00 | 2.690 | 342.210643 |
| Vita 220kV | 12/01/2020 18:45:00 | 76 | 15225.0 | 1907.5 | 0.0 | -1907.5 | 12.53 | 0.00 | 3.022 | 2113.254826 |
| Vita 220kV | 12/01/2020 19:00:00 | 77 | 15225.0 | 1807.5 | 0.0 | -1807.5 | 11.87 | 0.00 | 3.686 | 643.211521 |
| Vita 220kV | 12/01/2020 19:15:00 | 78 | 15225.0 | 1907.5 | 0.0 | -1907.5 | 12.53 | 0.00 | 2.690 | 40.292229 |
| Vita 220kV | 12/01/2020 19:30:00 | 79 | 15225.0 | 1807.5 | 0.0 | -1807.5 | 11.87 | 0.00 | -3.022 | 0.000000 |
| Vita 220kV | 12/01/2020 19:45:00 | 80 | 15225.0 | 1990.0 | 0.0 | -1990.0 | 13.07 | 0.00 | -1.781 | 0.000000 |
| Vita 220kV | 12/01/2020 20:00:00 | 81 | 15225.0 | 1907.5 | 3.91 | -1903.59 | 12.5 | 0.00 | -3.021 | 0.000000 |
| Vita 220kV | 12/01/2020 20:15:00 | 82 | 15225.0 | 1807.5 | 129.69 | -1677.81 | 11.02 | 0.00 | -4.018 | 0.000000 |
| Vita 220kV | 12/01/2020 20:30:00 | 83 | 15225.0 | 1990.0 | 287.5 | -1702.5 | 11.18 | 0.00 | -3.354 | 0.000000 |
| Vita 220kV | 12/01/2020 20:45:00 | 84 | 15225.0 | 1907.5 | 367.19 | -1540.31 | 10.12 | 0.00 | -1.614 | 0.000000 |
| Vita 220kV | 12/01/2020 21:00:00 | 85 | 15225.0 | 1807.5 | 293.75 | -1513.75 | 9.94 | 0.00 | -4.350 | 0.000000 |
| Vita 220kV | 12/01/2020 21:15:00 | 86 | 15225.0 | 1990.0 | 269.53 | -1720.47 | 11.3 | 0.00 | -3.686 | 0.000000 |
| Vita 220kV | 12/01/2020 21:30:00 | 87 | 15225.0 | 1907.5 | 164.06 | -1743.44 | 11.45 | 0.00 | -1.614 | 0.000000 |
| Vita 220kV | 12/01/2020 21:45:00 | 88 | 15225.0 | 1807.5 | 24.22 | -1783.28 | 11.71 | 0.00 | 0.000 | 0.000000 |
| Vita 220kV | 12/01/2020 22:00:00 | 89 | 15225.0 | 1907.5 | 0.0 | -1907.5 | 12.53 | 0.00 | -3.354 | 0.000000 |
| Vita 220kV | 12/01/2020 22:15:00 | 90 | 15225.0 | 1807.5 | 0.0 | -1807.5 | 11.87 | 0.00 | 4.350 | 2206.868519 |
| Vita 220kV | 12/01/2020 22:30:00 | 91 | 15225.0 | 1990.0 | 0.0 | -1990.0 | 13.07 | 0.00 | 5.215 | 4582.246857 |
| Vita 220kV | 12/01/2020 22:45:00 | 92 | 15225.0 | 1907.5 | 0.0 | -1907.5 | 12.53 | 0.00 | 3.022 | 429.968969 |
| Vita 220kV | 12/01/2020 23:00:00 | 93 | 15225.0 | 1807.5 | 0.0 | -1807.5 | 11.87 | 0.00 | 3.022 | 892.403577 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Vita 220kV | 12/01/2020 23:15:00 | 94 | 15225.0 | 1990.0 | 0.0 | -1990.0 | 13.07 | 0.00 | 2.152 | 978.299129 |
| Vita 220kV | 12/01/2020 23:30:00 | 95 | 15225.0 | 1907.5 | 0.0 | -1907.5 | 12.53 | 0.00 | 2.152 | 539.629928 |
| Vita 220kV | 12/01/2020 23:45:00 | 96 | 15225.0 | 1807.5 | 0.0 | -1807.5 | 11.87 | 0.00 | 2.152 | 587.525393 |
| Wagdari 132kV | 06/01/2020 00:00:00 | 1 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.903 | 0.000000 |
| Wagdari 132kV | 06/01/2020 00:15:00 | 2 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Wagdari 132kV | 06/01/2020 00:30:00 | 3 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Wagdari 132kV | 06/01/2020 00:45:00 | 4 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.984 | 0.000000 |
| Wagdari 132kV | 06/01/2020 01:00:00 | 5 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.541 | 0.000000 |
| Wagdari 132kV | 06/01/2020 01:15:00 | 6 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |
| Wagdari 132kV | 06/01/2020 01:30:00 | 7 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.541 | 0.000000 |
| Wagdari 132kV | 06/01/2020 01:45:00 | 8 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.352 | 0.000000 |
| Wagdari 132kV | 06/01/2020 02:00:00 | 9 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.747 | 0.000000 |
| Wagdari 132kV | 06/01/2020 02:15:00 | 10 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.581 | 0.000000 |
| Wagdari 132kV | 06/01/2020 02:30:00 | 11 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.323 | 0.000000 |
| Wagdari 132kV | 06/01/2020 02:45:00 | 12 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Wagdari 132kV | 06/01/2020 03:00:00 | 13 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Wagdari 132kV | 06/01/2020 03:15:00 | 14 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.742 | 0.000000 |
| Wagdari 132kV | 06/01/2020 03:30:00 | 15 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |
| Wagdari 132kV | 06/01/2020 03:45:00 | 16 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.541 | 0.000000 |
| Wagdari 132kV | 06/01/2020 04:00:00 | 17 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.496 | 0.000000 |
| Wagdari 132kV | 06/01/2020 04:15:00 | 18 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wagdari 132kV | 06/01/2020 04:30:00 | 19 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.859 | 0.000000 |
| Wagdari 132kV | 06/01/2020 04:45:00 | 20 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.815 | 0.000000 |
| Wagdari 132kV | 06/01/2020 05:00:00 | 21 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.859 | 0.000000 |
| Wagdari 132kV | 06/01/2020 05:15:00 | 22 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 6.407 | 0.000000 |
| Wagdari 132kV | 06/01/2020 05:30:00 | 23 | 20000.0 | 37.5 | 0.0 | -37.5 | 0.19 | 0.00 | 6.496 | 43.956422 |
| Wagdari 132kV | 06/01/2020 05:45:00 | 24 | 20000.0 | 37.5 | 0.0 | -37.5 | 0.19 | 0.00 | 7.492 | 23.754382 |
| Wagdari 132kV | 06/01/2020 06:00:00 | 25 | 20000.0 | 45.0 | 0.0 | -45.0 | 0.22 | 0.00 | -5.452 | 0.000000 |
| Wagdari 132kV | 06/01/2020 06:15:00 | 26 | 20000.0 | 70.0 | 0.0 | -70.0 | 0.35 | 0.00 | -6.089 | 0.000000 |
| Wagdari 132kV | 06/01/2020 06:30:00 | 27 | 20000.0 | 115.0 | 0.0 | -115.0 | 0.57 | 0.00 | -7.044 | 0.000000 |
| Wagdari 132kV | 06/01/2020 06:45:00 | 28 | 20000.0 | 172.5 | 0.0 | -172.5 | 0.86 | 0.00 | 7.682 | 0.000000 |
| Wagdari 132kV | 06/01/2020 07:00:00 | 29 | 20000.0 | 702.5 | 0.0 | -702.5 | 3.51 | 0.00 | -3.859 | 0.000000 |
| Wagdari 132kV | 06/01/2020 07:15:00 | 30 | 20000.0 | 1340.0 | 0.0 | -1340.0 | 6.7 | 0.00 | 4.815 | 665.334224 |
| Wagdari 132kV | 06/01/2020 07:30:00 | 31 | 20000.0 | 2117.5 | 0.0 | -2117.5 | 10.59 | 0.00 | 4.178 | 0.000000 |
| Wagdari 132kV | 06/01/2020 07:45:00 | 32 | 20000.0 | 2885.0 | 0.0 | -2885.0 | 14.42 | 0.00 | -3.540 | 0.000000 |
| Wagdari 132kV | 06/01/2020 08:00:00 | 33 | 20000.0 | 3807.5 | 0.0 | -3807.5 | 19.04 | 403.75 | -3.859 | 0.000000 |
| Wagdari 132kV | 06/01/2020 08:15:00 | 34 | 20000.0 | 4847.5 | 0.0 | -4847.5 | 24.24 | 923.75 | -5.452 | 0.000000 |
| Wagdari 132kV | 06/01/2020 08:30:00 | 35 | 20000.0 | 5802.5 | 0.0 | -5802.5 | 29.01 | 1802.50 | 4.178 | 0.000000 |
| Wagdari 132kV | 06/01/2020 08:45:00 | 36 | 20000.0 | 6795.0 | 0.0 | -6795.0 | 33.98 | 2795.00 | -3.859 | 0.000000 |
| Wagdari 132kV | 06/01/2020 09:00:00 | 37 | 20000.0 | 7857.5 | 0.0 | -7857.5 | 39.29 | 4286.25 | -6.407 | 0.000000 |
| Wagdari 132kV | 06/01/2020 09:15:00 | 38 | 20000.0 | 8940.0 | 0.0 | -8940.0 | 44.7 | 5910.00 | -8.000 | 0.000000 |
| Wagdari 132kV | 06/01/2020 09:30:00 | 39 | 20000.0 | 10757.5 | 0.0 | -10757.5 | 53.79 | 8636.25 | -5.770 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wagdari 132kV | 06/01/2020 09:45:00 | 40 | 20000.0 | 11912.5 | 0.0 | -11912.5 | 59.56 | 10368.75 | 3.222 | 0.000000 |
| Wagdari 132kV | 06/01/2020 10:00:00 | 41 | 20000.0 | 12592.5 | 0.0 | -12592.5 | 62.96 | 11388.75 | -2.903 | 0.000000 |
| Wagdari 132kV | 06/01/2020 10:15:00 | 42 | 20000.0 | 13330.0 | 0.0 | -13330.0 | 66.65 | 12495.00 | -3.222 | 0.000000 |
| Wagdari 132kV | 06/01/2020 10:30:00 | 43 | 20000.0 | 14402.5 | 0.0 | -14402.5 | 72.01 | 14103.75 | 4.815 | 0.000000 |
| Wagdari 132kV | 06/01/2020 10:45:00 | 44 | 20000.0 | 14975.0 | 0.0 | -14975.0 | 74.88 | 14962.50 | 4.496 | 0.000000 |
| Wagdari 132kV | 06/01/2020 11:00:00 | 45 | 20000.0 | 15702.5 | 0.0 | -15702.5 | 78.51 | 16053.75 | 16.000 | 0.000000 |
| Wagdari 132kV | 06/01/2020 11:15:00 | 46 | 20000.0 | 15902.5 | 0.0 | -15902.5 | 79.51 | 16353.75 | 5.133 | 0.000000 |
| Wagdari 132kV | 06/01/2020 11:30:00 | 47 | 20000.0 | 16157.5 | 0.0 | -16157.5 | 80.79 | 16736.25 | 1.182 | 0.000000 |
| Wagdari 132kV | 06/01/2020 11:45:00 | 48 | 20000.0 | 16475.0 | 0.0 | -16475.0 | 82.38 | 17212.50 | 6.308 | 0.000000 |
| Wagdari 132kV | 06/01/2020 12:00:00 | 49 | 20000.0 | 16827.5 | 0.0 | -16827.5 | 84.14 | 17741.25 | 6.598 | 0.000000 |
| Wagdari 132kV | 06/01/2020 12:15:00 | 50 | 20000.0 | 16737.5 | 0.0 | -16737.5 | 83.69 | 17606.25 | 5.431 | 0.000000 |
| Wagdari 132kV | 06/01/2020 12:30:00 | 51 | 20000.0 | 16932.5 | 0.0 | -16932.5 | 84.66 | 17898.75 | 3.540 | 0.000000 |
| Wagdari 132kV | 06/01/2020 12:45:00 | 52 | 20000.0 | 16545.0 | 0.0 | -16545.0 | 82.73 | 17317.50 | -2.903 | 0.000000 |
| Wagdari 132kV | 06/01/2020 13:00:00 | 53 | 20000.0 | 15815.0 | 0.0 | -15815.0 | 79.07 | 16222.50 | -1.161 | 0.000000 |
| Wagdari 132kV | 06/01/2020 13:15:00 | 54 | 20000.0 | 14867.5 | 0.0 | -14867.5 | 74.34 | 14801.25 | 3.859 | 0.000000 |
| Wagdari 132kV | 06/01/2020 13:30:00 | 55 | 20000.0 | 13402.5 | 0.0 | -13402.5 | 67.01 | 12603.75 | -6.407 | 0.000000 |
| Wagdari 132kV | 06/01/2020 13:45:00 | 56 | 20000.0 | 12470.0 | 0.0 | -12470.0 | 62.35 | 11205.00 | 5.452 | 0.000000 |
| Wagdari 132kV | 06/01/2020 14:00:00 | 57 | 20000.0 | 11910.0 | 0.0 | -11910.0 | 59.55 | 10365.00 | 5.452 | 0.000000 |
| Wagdari 132kV | 06/01/2020 14:15:00 | 58 | 20000.0 | 9610.0 | 0.0 | -9610.0 | 48.05 | 6915.00 | 16.000 | 0.000000 |
| Wagdari 132kV | 06/01/2020 14:30:00 | 59 | 20000.0 | 10200.0 | 0.0 | -10200.0 | 51.0 | 7800.00 | 6.035 | 0.000000 |
| Wagdari 132kV | 06/01/2020 14:45:00 | 60 | 20000.0 | 10620.0 | 0.0 | -10620.0 | 53.1 | 8430.00 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wagdari 132kV | 06/01/2020 15:00:00 | 61 | 20000.0 | 7637.5 | 0.0 | -7637.5 | 38.19 | 3956.25 | 3.367 | 0.000000 |
| Wagdari 132kV | 06/01/2020 15:15:00 | 62 | 20000.0 | 7055.0 | 0.0 | -7055.0 | 35.27 | 3082.50 | 3.904 | 0.000000 |
| Wagdari 132kV | 06/01/2020 15:30:00 | 63 | 20000.0 | 7397.5 | 0.0 | -7397.5 | 36.99 | 3596.25 | 4.482 | 0.000000 |
| Wagdari 132kV | 06/01/2020 15:45:00 | 64 | 20000.0 | 5787.5 | 0.0 | -5787.5 | 28.94 | 1787.50 | 4.225 | 0.000000 |
| Wagdari 132kV | 06/01/2020 16:00:00 | 65 | 20000.0 | 5062.5 | 0.0 | -5062.5 | 25.31 | 1062.50 | 2.895 | 0.000000 |
| Wagdari 132kV | 06/01/2020 16:15:00 | 66 | 20000.0 | 3572.5 | 0.0 | -3572.5 | 17.86 | 286.25 | 6.089 | 0.000000 |
| Wagdari 132kV | 06/01/2020 16:30:00 | 67 | 20000.0 | 3967.5 | 0.0 | -3967.5 | 19.84 | 483.75 | -8.000 | 0.000000 |
| Wagdari 132kV | 06/01/2020 16:45:00 | 68 | 20000.0 | 3080.0 | 0.0 | -3080.0 | 15.4 | 40.00 | -4.178 | 0.000000 |
| Wagdari 132kV | 06/01/2020 17:00:00 | 69 | 20000.0 | 1780.0 | 0.0 | -1780.0 | 8.9 | 0.00 | 1.742 | 0.000000 |
| Wagdari 132kV | 06/01/2020 17:15:00 | 70 | 20000.0 | 997.5 | 0.0 | -997.5 | 4.99 | 0.00 | 2.903 | 0.000000 |
| Wagdari 132kV | 06/01/2020 17:30:00 | 71 | 20000.0 | 420.0 | 0.0 | -420.0 | 2.1 | 0.00 | -4.178 | 0.000000 |
| Wagdari 132kV | 06/01/2020 17:45:00 | 72 | 20000.0 | 130.0 | 0.0 | -130.0 | 0.65 | 0.00 | -2.323 | 0.000000 |
| Wagdari 132kV | 06/01/2020 18:00:00 | 73 | 20000.0 | 55.0 | 0.0 | -55.0 | 0.27 | 0.00 | -2.903 | 0.000000 |
| Wagdari 132kV | 06/01/2020 18:15:00 | 74 | 20000.0 | 45.0 | 0.0 | -45.0 | 0.22 | 0.00 | 1.161 | 11.702663 |
| Wagdari 132kV | 06/01/2020 18:30:00 | 75 | 20000.0 | 40.0 | 0.0 | -40.0 | 0.2 | 0.00 | 2.903 | 34.069391 |
| Wagdari 132kV | 06/01/2020 18:45:00 | 76 | 20000.0 | 37.5 | 0.0 | -37.5 | 0.19 | 0.00 | 2.903 | 0.756121 |
| Wagdari 132kV | 06/01/2020 19:00:00 | 77 | 20000.0 | 37.5 | 0.0 | -37.5 | 0.19 | 0.00 | -1.161 | 0.000000 |
| Wagdari 132kV | 06/01/2020 19:15:00 | 78 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.178 | 0.000000 |
| Wagdari 132kV | 06/01/2020 19:30:00 | 79 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.323 | 0.000000 |
| Wagdari 132kV | 06/01/2020 19:45:00 | 80 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.178 | 0.000000 |
| Wagdari 132kV | 06/01/2020 20:00:00 | 81 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wagdari 132kV | 06/01/2020 20:15:00 | 82 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.770 | 0.000000 |
| Wagdari 132kV | 06/01/2020 20:30:00 | 83 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.770 | 0.000000 |
| Wagdari 132kV | 06/01/2020 20:45:00 | 84 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.178 | 0.000000 |
| Wagdari 132kV | 06/01/2020 21:00:00 | 85 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.222 | 0.000000 |
| Wagdari 132kV | 06/01/2020 21:15:00 | 86 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.742 | 0.000000 |
| Wagdari 132kV | 06/01/2020 21:30:00 | 87 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Wagdari 132kV | 06/01/2020 21:45:00 | 88 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.161 | 0.000000 |
| Wagdari 132kV | 06/01/2020 22:00:00 | 89 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.815 | 0.000000 |
| Wagdari 132kV | 06/01/2020 22:15:00 | 90 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.859 | 0.000000 |
| Wagdari 132kV | 06/01/2020 22:30:00 | 91 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.742 | 0.000000 |
| Wagdari 132kV | 06/01/2020 22:45:00 | 92 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.323 | 0.000000 |
| Wagdari 132kV | 06/01/2020 23:00:00 | 93 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.903 | 0.000000 |
| Wagdari 132kV | 06/01/2020 23:15:00 | 94 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Wagdari 132kV | 06/01/2020 23:30:00 | 95 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.222 | 0.000000 |
| Wagdari 132kV | 06/01/2020 23:45:00 | 96 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.323 | 0.000000 |
| Wagdari 132kV | 07/01/2020 00:00:00 | 1 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.549 | 0.000000 |
| Wagdari 132kV | 07/01/2020 00:15:00 | 2 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.647 | 0.000000 |
| Wagdari 132kV | 07/01/2020 00:30:00 | 3 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.073 | 0.000000 |
| Wagdari 132kV | 07/01/2020 00:45:00 | 4 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.744 | 0.000000 |
| Wagdari 132kV | 07/01/2020 01:00:00 | 5 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |
| Wagdari 132kV | 07/01/2020 01:15:00 | 6 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wagdari 132kV | 07/01/2020 01:30:00 | 7 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Wagdari 132kV | 07/01/2020 01:45:00 | 8 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Wagdari 132kV | 07/01/2020 02:00:00 | 9 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.073 | 0.000000 |
| Wagdari 132kV | 07/01/2020 02:15:00 | 10 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.073 | 0.000000 |
| Wagdari 132kV | 07/01/2020 02:30:00 | 11 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.401 | 0.000000 |
| Wagdari 132kV | 07/01/2020 02:45:00 | 12 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.745 | 0.000000 |
| Wagdari 132kV | 07/01/2020 03:00:00 | 13 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Wagdari 132kV | 07/01/2020 03:15:00 | 14 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.196 | 0.000000 |
| Wagdari 132kV | 07/01/2020 03:30:00 | 15 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Wagdari 132kV | 07/01/2020 03:45:00 | 16 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.098 | 0.000000 |
| Wagdari 132kV | 07/01/2020 04:00:00 | 17 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Wagdari 132kV | 07/01/2020 04:15:00 | 18 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.210 | 0.000000 |
| Wagdari 132kV | 07/01/2020 04:30:00 | 19 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Wagdari 132kV | 07/01/2020 04:45:00 | 20 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.098 | 0.000000 |
| Wagdari 132kV | 07/01/2020 05:00:00 | 21 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.744 | 0.000000 |
| Wagdari 132kV | 07/01/2020 05:15:00 | 22 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.730 | 0.000000 |
| Wagdari 132kV | 07/01/2020 05:30:00 | 23 | 20000.0 | 12.5 | 0.0 | -12.5 | 0.06 | 0.00 | 3.073 | 14.426272 |
| Wagdari 132kV | 07/01/2020 05:45:00 | 24 | 20000.0 | 12.5 | 0.0 | -12.5 | 0.06 | 0.00 | 3.730 | 11.207034 |
| Wagdari 132kV | 07/01/2020 06:00:00 | 25 | 20000.0 | 17.5 | 0.0 | -17.5 | 0.09 | 0.00 | -5.372 | 0.000000 |
| Wagdari 132kV | 07/01/2020 06:15:00 | 26 | 20000.0 | 35.0 | 0.0 | -35.0 | 0.18 | 0.00 | 4.556 | 116.623426 |
| Wagdari 132kV | 07/01/2020 06:30:00 | 27 | 20000.0 | 62.5 | 0.0 | -62.5 | 0.31 | 0.00 | 7.148 | 360.574462 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wagdari 132kV | 07/01/2020 06:45:00 | 28 | 20000.0 | 100.0 | 0.0 | -100.0 | 0.5 | 0.00 | 7.821 | 529.021486 |
| Wagdari 132kV | 07/01/2020 07:00:00 | 29 | 20000.0 | 427.5 | 0.0 | -427.5 | 2.14 | 0.00 | 5.372 | 1136.058826 |
| Wagdari 132kV | 07/01/2020 07:15:00 | 30 | 20000.0 | 832.5 | 0.0 | -832.5 | 4.16 | 0.00 | 16.000 | 0.000000 |
| Wagdari 132kV | 07/01/2020 07:30:00 | 31 | 20000.0 | 1340.0 | 0.0 | -1340.0 | 6.7 | 0.00 | 9.296 | 0.000000 |
| Wagdari 132kV | 07/01/2020 07:45:00 | 32 | 20000.0 | 1910.0 | 0.0 | -1910.0 | 9.55 | 0.00 | 9.794 | 0.000000 |
| Wagdari 132kV | 07/01/2020 08:00:00 | 33 | 20000.0 | 2970.0 | 0.0 | -2970.0 | 14.85 | 0.00 | 3.593 | 0.000000 |
| Wagdari 132kV | 07/01/2020 08:15:00 | 34 | 20000.0 | 4060.0 | 0.0 | -4060.0 | 20.3 | 530.00 | 3.401 | 0.000000 |
| Wagdari 132kV | 07/01/2020 08:30:00 | 35 | 20000.0 | 5162.5 | 0.0 | -5162.5 | 25.81 | 1162.50 | 3.245 | 0.000000 |
| Wagdari 132kV | 07/01/2020 08:45:00 | 36 | 20000.0 | 6182.5 | 0.0 | -6182.5 | 30.91 | 2182.50 | 0.000 | 0.000000 |
| Wagdari 132kV | 07/01/2020 09:00:00 | 37 | 20000.0 | 7852.5 | 0.0 | -7852.5 | 39.26 | 4278.75 | 2.745 | 0.000000 |
| Wagdari 132kV | 07/01/2020 09:15:00 | 38 | 20000.0 | 9042.5 | 0.0 | -9042.5 | 45.21 | 6063.75 | 4.715 | 0.000000 |
| Wagdari 132kV | 07/01/2020 09:30:00 | 39 | 20000.0 | 9990.0 | 0.0 | -9990.0 | 49.95 | 7485.00 | 3.981 | 0.000000 |
| Wagdari 132kV | 07/01/2020 09:45:00 | 40 | 20000.0 | 11140.0 | 0.0 | -11140.0 | 55.7 | 9210.00 | 3.730 | 0.000000 |
| Wagdari 132kV | 07/01/2020 10:00:00 | 41 | 20000.0 | 12147.5 | 0.0 | -12147.5 | 60.74 | 10721.25 | 1.780 | 0.000000 |
| Wagdari 132kV | 07/01/2020 10:15:00 | 42 | 20000.0 | 13192.5 | 0.0 | -13192.5 | 65.96 | 12288.75 | 5.643 | 0.000000 |
| Wagdari 132kV | 07/01/2020 10:30:00 | 43 | 20000.0 | 14225.0 | 0.0 | -14225.0 | 71.12 | 13837.50 | 4.976 | 0.000000 |
| Wagdari 132kV | 07/01/2020 10:45:00 | 44 | 20000.0 | 14542.5 | 0.0 | -14542.5 | 72.71 | 14313.75 | 4.415 | 0.000000 |
| Wagdari 132kV | 07/01/2020 11:00:00 | 45 | 20000.0 | 15527.5 | 0.0 | -15527.5 | 77.64 | 15791.25 | 4.476 | 0.000000 |
| Wagdari 132kV | 07/01/2020 11:15:00 | 46 | 20000.0 | 15600.0 | 0.0 | -15600.0 | 78.0 | 15900.00 | 4.826 | 0.000000 |
| Wagdari 132kV | 07/01/2020 11:30:00 | 47 | 20000.0 | 16000.0 | 0.0 | -16000.0 | 80.0 | 16500.00 | 2.289 | 0.000000 |
| Wagdari 132kV | 07/01/2020 11:45:00 | 48 | 20000.0 | 16007.5 | 0.0 | -16007.5 | 80.04 | 16511.25 | -0.549 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wagdari 132kV | 07/01/2020 12:00:00 | 49 | 20000.0 | 17095.0 | 0.0 | -17095.0 | 85.47 | 18142.50 | 4.727 | 0.000000 |
| Wagdari 132kV | 07/01/2020 12:15:00 | 50 | 20000.0 | 16460.0 | 0.0 | -16460.0 | 82.3 | 17190.00 | 4.777 | 0.000000 |
| Wagdari 132kV | 07/01/2020 12:30:00 | 51 | 20000.0 | 17042.5 | 0.0 | -17042.5 | 85.21 | 18063.75 | 4.798 | 0.000000 |
| Wagdari 132kV | 07/01/2020 12:45:00 | 52 | 20000.0 | 16745.0 | 0.0 | -16745.0 | 83.73 | 17617.50 | -3.401 | 0.000000 |
| Wagdari 132kV | 07/01/2020 13:00:00 | 53 | 20000.0 | 16370.0 | 0.0 | -16370.0 | 81.85 | 17055.00 | -2.431 | 0.000000 |
| Wagdari 132kV | 07/01/2020 13:15:00 | 54 | 20000.0 | 14285.0 | 0.0 | -14285.0 | 71.43 | 13927.50 | -4.387 | 0.000000 |
| Wagdari 132kV | 07/01/2020 13:30:00 | 55 | 20000.0 | 13782.5 | 0.0 | -13782.5 | 68.91 | 13173.75 | -3.401 | 0.000000 |
| Wagdari 132kV | 07/01/2020 13:45:00 | 56 | 20000.0 | 13410.0 | 0.0 | -13410.0 | 67.05 | 12615.00 | -5.044 | 0.000000 |
| Wagdari 132kV | 07/01/2020 14:00:00 | 57 | 20000.0 | 12662.5 | 0.0 | -12662.5 | 63.31 | 11493.75 | 4.215 | 0.000000 |
| Wagdari 132kV | 07/01/2020 14:15:00 | 58 | 20000.0 | 12065.0 | 0.0 | -12065.0 | 60.32 | 10597.50 | 9.552 | 0.000000 |
| Wagdari 132kV | 07/01/2020 14:30:00 | 59 | 20000.0 | 11175.0 | 0.0 | -11175.0 | 55.88 | 9262.50 | 6.358 | 0.000000 |
| Wagdari 132kV | 07/01/2020 14:45:00 | 60 | 20000.0 | 11047.5 | 0.0 | -11047.5 | 55.24 | 9071.25 | 2.744 | 0.000000 |
| Wagdari 132kV | 07/01/2020 15:00:00 | 61 | 20000.0 | 10217.5 | 0.0 | -10217.5 | 51.09 | 7826.25 | -3.073 | 0.000000 |
| Wagdari 132kV | 07/01/2020 15:15:00 | 62 | 20000.0 | 9400.0 | 0.0 | -9400.0 | 47.0 | 6600.00 | -4.058 | 0.000000 |
| Wagdari 132kV | 07/01/2020 15:30:00 | 63 | 20000.0 | 9130.0 | 0.0 | -9130.0 | 45.65 | 6195.00 | -4.831 | 0.000000 |
| Wagdari 132kV | 07/01/2020 15:45:00 | 64 | 20000.0 | 8232.5 | 0.0 | -8232.5 | 41.16 | 4848.75 | -5.372 | 0.000000 |
| Wagdari 132kV | 07/01/2020 16:00:00 | 65 | 20000.0 | 7065.0 | 0.0 | -7065.0 | 35.33 | 3097.50 | 2.196 | 0.000000 |
| Wagdari 132kV | 07/01/2020 16:15:00 | 66 | 20000.0 | 6102.5 | 0.0 | -6102.5 | 30.51 | 2102.50 | -3.401 | 0.000000 |
| Wagdari 132kV | 07/01/2020 16:30:00 | 67 | 20000.0 | 5122.5 | 0.0 | -5122.5 | 25.61 | 1122.50 | 4.738 | 0.000000 |
| Wagdari 132kV | 07/01/2020 16:45:00 | 68 | 20000.0 | 3867.5 | 0.0 | -3867.5 | 19.34 | 433.75 | 7.343 | 0.000000 |
| Wagdari 132kV | 07/01/2020 17:00:00 | 69 | 20000.0 | 2747.5 | 0.0 | -2747.5 | 13.74 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wagdari 132kV | 07/01/2020 17:15:00 | 70 | 20000.0 | 1807.5 | 0.0 | -1807.5 | 9.04 | 0.00 | 2.744 | 300.670629 |
| Wagdari 132kV | 07/01/2020 17:30:00 | 71 | 20000.0 | 1010.0 | 0.0 | -1010.0 | 5.05 | 0.00 | 3.401 | 66.689732 |
| Wagdari 132kV | 07/01/2020 17:45:00 | 72 | 20000.0 | 270.0 | 0.0 | -270.0 | 1.35 | 0.00 | -2.745 | 0.000000 |
| Wagdari 132kV | 07/01/2020 18:00:00 | 73 | 20000.0 | 127.5 | 0.0 | -127.5 | 0.64 | 0.00 | -3.073 | 0.000000 |
| Wagdari 132kV | 07/01/2020 18:15:00 | 74 | 20000.0 | 67.5 | 0.0 | -67.5 | 0.34 | 0.00 | -5.372 | 0.000000 |
| Wagdari 132kV | 07/01/2020 18:30:00 | 75 | 20000.0 | 27.5 | 0.0 | -27.5 | 0.14 | 0.00 | 3.401 | 0.000000 |
| Wagdari 132kV | 07/01/2020 18:45:00 | 76 | 20000.0 | 12.5 | 0.0 | -12.5 | 0.06 | 0.00 | -3.401 | 0.000000 |
| Wagdari 132kV | 07/01/2020 19:00:00 | 77 | 20000.0 | 12.5 | 0.0 | -12.5 | 0.06 | 0.00 | -3.730 | 0.000000 |
| Wagdari 132kV | 07/01/2020 19:15:00 | 78 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.715 | 0.000000 |
| Wagdari 132kV | 07/01/2020 19:30:00 | 79 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |
| Wagdari 132kV | 07/01/2020 19:45:00 | 80 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.210 | 0.000000 |
| Wagdari 132kV | 07/01/2020 20:00:00 | 81 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.348 | 0.000000 |
| Wagdari 132kV | 07/01/2020 20:15:00 | 82 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.387 | 0.000000 |
| Wagdari 132kV | 07/01/2020 20:30:00 | 83 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.816 | 0.000000 |
| Wagdari 132kV | 07/01/2020 20:45:00 | 84 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.401 | 0.000000 |
| Wagdari 132kV | 07/01/2020 21:00:00 | 85 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.058 | 0.000000 |
| Wagdari 132kV | 07/01/2020 21:15:00 | 86 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Wagdari 132kV | 07/01/2020 21:30:00 | 87 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.196 | 0.000000 |
| Wagdari 132kV | 07/01/2020 21:45:00 | 88 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.196 | 0.000000 |
| Wagdari 132kV | 07/01/2020 22:00:00 | 89 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.257 | 0.000000 |
| Wagdari 132kV | 07/01/2020 22:15:00 | 90 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wagdari 132kV | 07/01/2020 22:30:00 | 91 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.098 | 0.000000 |
| Wagdari 132kV | 07/01/2020 22:45:00 | 92 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.647 | 0.000000 |
| Wagdari 132kV | 07/01/2020 23:00:00 | 93 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.401 | 0.000000 |
| Wagdari 132kV | 07/01/2020 23:15:00 | 94 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.647 | 0.000000 |
| Wagdari 132kV | 07/01/2020 23:30:00 | 95 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.196 | 0.000000 |
| Wagdari 132kV | 07/01/2020 23:45:00 | 96 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.549 | 0.000000 |
| Wagdari 132kV | 08/01/2020 00:00:00 | 1 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Wagdari 132kV | 08/01/2020 00:15:00 | 2 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Wagdari 132kV | 08/01/2020 00:30:00 | 3 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Wagdari 132kV | 08/01/2020 00:45:00 | 4 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.424 | 0.000000 |
| Wagdari 132kV | 08/01/2020 01:00:00 | 5 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.170 | 0.000000 |
| Wagdari 132kV | 08/01/2020 01:15:00 | 6 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.761 | 0.000000 |
| Wagdari 132kV | 08/01/2020 01:30:00 | 7 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.665 | 0.000000 |
| Wagdari 132kV | 08/01/2020 01:45:00 | 8 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.665 | 0.000000 |
| Wagdari 132kV | 08/01/2020 02:00:00 | 9 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Wagdari 132kV | 08/01/2020 02:15:00 | 10 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.347 | 0.000000 |
| Wagdari 132kV | 08/01/2020 02:30:00 | 11 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Wagdari 132kV | 08/01/2020 02:45:00 | 12 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Wagdari 132kV | 08/01/2020 03:00:00 | 13 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.428 | 0.000000 |
| Wagdari 132kV | 08/01/2020 03:15:00 | 14 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Wagdari 132kV | 08/01/2020 03:30:00 | 15 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wagdari 132kV | 08/01/2020 03:45:00 | 16 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Wagdari 132kV | 08/01/2020 04:00:00 | 17 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.101 | 0.000000 |
| Wagdari 132kV | 08/01/2020 04:15:00 | 18 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.665 | 0.000000 |
| Wagdari 132kV | 08/01/2020 04:30:00 | 19 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Wagdari 132kV | 08/01/2020 04:45:00 | 20 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Wagdari 132kV | 08/01/2020 05:00:00 | 21 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Wagdari 132kV | 08/01/2020 05:15:00 | 22 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Wagdari 132kV | 08/01/2020 05:30:00 | 23 | 20000.0 | 75.0 | 0.0 | -75.0 | 0.38 | 0.00 | -3.428 | 0.000000 |
| Wagdari 132kV | 08/01/2020 05:45:00 | 24 | 20000.0 | 75.0 | 0.0 | -75.0 | 0.38 | 0.00 | -2.775 | 0.000000 |
| Wagdari 132kV | 08/01/2020 06:00:00 | 25 | 20000.0 | 75.0 | 0.0 | -75.0 | 0.38 | 0.00 | -2.220 | 0.000000 |
| Wagdari 132kV | 08/01/2020 06:15:00 | 26 | 20000.0 | 75.0 | 0.0 | -75.0 | 0.38 | 0.00 | 2.220 | 15.355855 |
| Wagdari 132kV | 08/01/2020 06:30:00 | 27 | 20000.0 | 75.0 | 0.0 | -75.0 | 0.38 | 0.00 | 5.387 | 134.997157 |
| Wagdari 132kV | 08/01/2020 06:45:00 | 28 | 20000.0 | 72.5 | 0.0 | -72.5 | 0.36 | 0.00 | -4.734 | 0.000000 |
| Wagdari 132kV | 08/01/2020 07:00:00 | 29 | 20000.0 | 317.5 | 0.0 | -317.5 | 1.59 | 0.00 | -4.407 | 0.000000 |
| Wagdari 132kV | 08/01/2020 07:15:00 | 30 | 20000.0 | 822.5 | 0.0 | -822.5 | 4.11 | 0.00 | 5.061 | 1449.724950 |
| Wagdari 132kV | 08/01/2020 07:30:00 | 31 | 20000.0 | 1555.0 | 0.0 | -1555.0 | 7.78 | 0.00 | 5.714 | 2622.507729 |
| Wagdari 132kV | 08/01/2020 07:45:00 | 32 | 20000.0 | 2525.0 | 0.0 | -2525.0 | 12.62 | 0.00 | 5.061 | 1674.161894 |
| Wagdari 132kV | 08/01/2020 08:00:00 | 33 | 20000.0 | 3477.5 | 0.0 | -3477.5 | 17.39 | 238.75 | 2.775 | 0.000000 |
| Wagdari 132kV | 08/01/2020 08:15:00 | 34 | 20000.0 | 4612.5 | 0.0 | -4612.5 | 23.06 | 806.25 | 2.775 | 0.000000 |
| Wagdari 132kV | 08/01/2020 08:30:00 | 35 | 20000.0 | 5727.5 | 0.0 | -5727.5 | 28.64 | 1727.50 | 5.387 | 0.000000 |
| Wagdari 132kV | 08/01/2020 08:45:00 | 36 | 20000.0 | 7055.0 | 0.0 | -7055.0 | 35.27 | 3082.50 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wagdari 132kV | 08/01/2020 09:00:00 | 37 | 20000.0 | 8037.5 | 0.0 | -8037.5 | 40.19 | 4556.25 | 7.673 | 0.000000 |
| Wagdari 132kV | 08/01/2020 09:15:00 | 38 | 20000.0 | 4865.0 | 0.0 | -4865.0 | 24.32 | 932.50 | 7.673 | 0.000000 |
| Wagdari 132kV | 08/01/2020 09:30:00 | 39 | 20000.0 | 5935.0 | 0.0 | -5935.0 | 29.68 | 1935.00 | 3.101 | 0.000000 |
| Wagdari 132kV | 08/01/2020 09:45:00 | 40 | 20000.0 | 7005.0 | 0.0 | -7005.0 | 35.02 | 3007.50 | -3.101 | 0.000000 |
| Wagdari 132kV | 08/01/2020 10:00:00 | 41 | 20000.0 | 6677.5 | 0.0 | -6677.5 | 33.39 | 2677.50 | -3.101 | 0.000000 |
| Wagdari 132kV | 08/01/2020 10:15:00 | 42 | 20000.0 | 6355.0 | 0.0 | -6355.0 | 31.77 | 2355.00 | -3.101 | 0.000000 |
| Wagdari 132kV | 08/01/2020 10:30:00 | 43 | 20000.0 | 6027.5 | 0.0 | -6027.5 | 30.14 | 2027.50 | -1.665 | 0.000000 |
| Wagdari 132kV | 08/01/2020 10:45:00 | 44 | 20000.0 | 5702.5 | 0.0 | -5702.5 | 28.51 | 1702.50 | 0.000 | 0.000000 |
| Wagdari 132kV | 08/01/2020 11:00:00 | 45 | 20000.0 | 5902.5 | 0.0 | -5902.5 | 29.51 | 1902.50 | -1.486 | 0.000000 |
| Wagdari 132kV | 08/01/2020 11:15:00 | 46 | 20000.0 | 6100.0 | 0.0 | -6100.0 | 30.5 | 2100.00 | -1.305 | 0.000000 |
| Wagdari 132kV | 08/01/2020 11:30:00 | 47 | 20000.0 | 6302.5 | 0.0 | -6302.5 | 31.51 | 2302.50 | -2.425 | 0.000000 |
| Wagdari 132kV | 08/01/2020 11:45:00 | 48 | 20000.0 | 6500.0 | 0.0 | -6500.0 | 32.5 | 2500.00 | -2.775 | 0.000000 |
| Wagdari 132kV | 08/01/2020 12:00:00 | 49 | 20000.0 | 15617.5 | 0.0 | -15617.5 | 78.09 | 15926.25 | -2.083 | 0.000000 |
| Wagdari 132kV | 08/01/2020 12:15:00 | 50 | 20000.0 | 14415.0 | 0.0 | -14415.0 | 72.08 | 14122.50 | -3.242 | 0.000000 |
| Wagdari 132kV | 08/01/2020 12:30:00 | 51 | 20000.0 | 15207.5 | 0.0 | -15207.5 | 76.04 | 15311.25 | -1.330 | 0.000000 |
| Wagdari 132kV | 08/01/2020 12:45:00 | 52 | 20000.0 | 13807.5 | 0.0 | -13807.5 | 69.04 | 13211.25 | -0.830 | 0.000000 |
| Wagdari 132kV | 08/01/2020 13:00:00 | 53 | 20000.0 | 13940.0 | 0.0 | -13940.0 | 69.7 | 13410.00 | 2.775 | 0.000000 |
| Wagdari 132kV | 08/01/2020 13:15:00 | 54 | 20000.0 | 13312.5 | 0.0 | -13312.5 | 66.56 | 12468.75 | 0.000 | 0.000000 |
| Wagdari 132kV | 08/01/2020 13:30:00 | 55 | 20000.0 | 12685.0 | 0.0 | -12685.0 | 63.42 | 11527.50 | -1.012 | 0.000000 |
| Wagdari 132kV | 08/01/2020 13:45:00 | 56 | 20000.0 | 12055.0 | 0.0 | -12055.0 | 60.27 | 10582.50 | -1.087 | 0.000000 |
| Wagdari 132kV | 08/01/2020 14:00:00 | 57 | 20000.0 | 10530.0 | 0.0 | -10530.0 | 52.65 | 8295.00 | -3.101 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wagdari 132kV | 08/01/2020 14:15:00 | 58 | 20000.0 | 9007.5 | 0.0 | -9007.5 | 45.04 | 6011.25 | -4.081 | 0.000000 |
| Wagdari 132kV | 08/01/2020 14:30:00 | 59 | 20000.0 | 7485.0 | 0.0 | -7485.0 | 37.43 | 3727.50 | -2.996 | 0.000000 |
| Wagdari 132kV | 08/01/2020 14:45:00 | 60 | 20000.0 | 5960.0 | 0.0 | -5960.0 | 29.8 | 1960.00 | -3.101 | 0.000000 |
| Wagdari 132kV | 08/01/2020 15:00:00 | 61 | 20000.0 | 6585.0 | 0.0 | -6585.0 | 32.92 | 2585.00 | -1.879 | 0.000000 |
| Wagdari 132kV | 08/01/2020 15:15:00 | 62 | 20000.0 | 7782.5 | 0.0 | -7782.5 | 38.91 | 4173.75 | -4.081 | 0.000000 |
| Wagdari 132kV | 08/01/2020 15:30:00 | 63 | 20000.0 | 8195.0 | 0.0 | -8195.0 | 40.98 | 4792.50 | 4.938 | 0.000000 |
| Wagdari 132kV | 08/01/2020 15:45:00 | 64 | 20000.0 | 8110.0 | 0.0 | -8110.0 | 40.55 | 4665.00 | 4.719 | 0.000000 |
| Wagdari 132kV | 08/01/2020 16:00:00 | 65 | 20000.0 | 6870.0 | 0.0 | -6870.0 | 34.35 | 2870.00 | 0.555 | 0.000000 |
| Wagdari 132kV | 08/01/2020 16:15:00 | 66 | 20000.0 | 6410.0 | 0.0 | -6410.0 | 32.05 | 2410.00 | -4.081 | 0.000000 |
| Wagdari 132kV | 08/01/2020 16:30:00 | 67 | 20000.0 | 5827.5 | 0.0 | -5827.5 | 29.14 | 1827.50 | -3.754 | 0.000000 |
| Wagdari 132kV | 08/01/2020 16:45:00 | 68 | 20000.0 | 4315.0 | 0.0 | -4315.0 | 21.57 | 657.50 | -8.000 | 0.000000 |
| Wagdari 132kV | 08/01/2020 17:00:00 | 69 | 20000.0 | 2780.0 | 0.0 | -2780.0 | 13.9 | 0.00 | 0.000 | 0.000000 |
| Wagdari 132kV | 08/01/2020 17:15:00 | 70 | 20000.0 | 1750.0 | 0.0 | -1750.0 | 8.75 | 0.00 | 4.081 | 335.694403 |
| Wagdari 132kV | 08/01/2020 17:30:00 | 71 | 20000.0 | 917.5 | 0.0 | -917.5 | 4.59 | 0.00 | -5.387 | 0.000000 |
| Wagdari 132kV | 08/01/2020 17:45:00 | 72 | 20000.0 | 247.5 | 0.0 | -247.5 | 1.24 | 0.00 | -3.101 | 0.000000 |
| Wagdari 132kV | 08/01/2020 18:00:00 | 73 | 20000.0 | 75.0 | 0.0 | -75.0 | 0.38 | 0.00 | -2.775 | 0.000000 |
| Wagdari 132kV | 08/01/2020 18:15:00 | 74 | 20000.0 | 72.5 | 0.0 | -72.5 | 0.36 | 0.00 | -3.101 | 0.000000 |
| Wagdari 132kV | 08/01/2020 18:30:00 | 75 | 20000.0 | 77.5 | 0.0 | -77.5 | 0.39 | 0.00 | -2.220 | 0.000000 |
| Wagdari 132kV | 08/01/2020 18:45:00 | 76 | 20000.0 | 80.0 | 0.0 | -80.0 | 0.4 | 0.00 | 2.220 | 63.061980 |
| Wagdari 132kV | 08/01/2020 19:00:00 | 77 | 20000.0 | 80.0 | 0.0 | -80.0 | 0.4 | 0.00 | 1.110 | 0.000000 |
| Wagdari 132kV | 08/01/2020 19:15:00 | 78 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wagdari 132kV | 08/01/2020 19:30:00 | 79 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.220 | 0.000000 |
| Wagdari 132kV | 08/01/2020 19:45:00 | 80 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.555 | 0.000000 |
| Wagdari 132kV | 08/01/2020 20:00:00 | 81 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Wagdari 132kV | 08/01/2020 20:15:00 | 82 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.101 | 0.000000 |
| Wagdari 132kV | 08/01/2020 20:30:00 | 83 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.408 | 0.000000 |
| Wagdari 132kV | 08/01/2020 20:45:00 | 84 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.101 | 0.000000 |
| Wagdari 132kV | 08/01/2020 21:00:00 | 85 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.101 | 0.000000 |
| Wagdari 132kV | 08/01/2020 21:15:00 | 86 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.555 | 0.000000 |
| Wagdari 132kV | 08/01/2020 21:30:00 | 87 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Wagdari 132kV | 08/01/2020 21:45:00 | 88 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.110 | 0.000000 |
| Wagdari 132kV | 08/01/2020 22:00:00 | 89 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.489 | 0.000000 |
| Wagdari 132kV | 08/01/2020 22:15:00 | 90 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.775 | 0.000000 |
| Wagdari 132kV | 08/01/2020 22:30:00 | 91 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.223 | 0.000000 |
| Wagdari 132kV | 08/01/2020 22:45:00 | 92 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Wagdari 132kV | 08/01/2020 23:00:00 | 93 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Wagdari 132kV | 08/01/2020 23:15:00 | 94 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.110 | 0.000000 |
| Wagdari 132kV | 08/01/2020 23:30:00 | 95 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.775 | 0.000000 |
| Wagdari 132kV | 08/01/2020 23:45:00 | 96 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Wagdari 132kV | 09/01/2020 00:00:00 | 1 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Wagdari 132kV | 09/01/2020 00:15:00 | 2 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Wagdari 132kV | 09/01/2020 00:30:00 | 3 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wagdari 132kV | 09/01/2020 00:45:00 | 4 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Wagdari 132kV | 09/01/2020 01:00:00 | 5 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.519 | 0.000000 |
| Wagdari 132kV | 09/01/2020 01:15:00 | 6 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.519 | 0.000000 |
| Wagdari 132kV | 09/01/2020 01:30:00 | 7 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.199 | 0.000000 |
| Wagdari 132kV | 09/01/2020 01:45:00 | 8 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.519 | 0.000000 |
| Wagdari 132kV | 09/01/2020 02:00:00 | 9 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.519 | 0.000000 |
| Wagdari 132kV | 09/01/2020 02:15:00 | 10 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.879 | 0.000000 |
| Wagdari 132kV | 09/01/2020 02:30:00 | 11 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.199 | 0.000000 |
| Wagdari 132kV | 09/01/2020 02:45:00 | 12 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |
| Wagdari 132kV | 09/01/2020 03:00:00 | 13 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Wagdari 132kV | 09/01/2020 03:15:00 | 14 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.839 | 0.000000 |
| Wagdari 132kV | 09/01/2020 03:30:00 | 15 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.199 | 0.000000 |
| Wagdari 132kV | 09/01/2020 03:45:00 | 16 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Wagdari 132kV | 09/01/2020 04:00:00 | 17 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Wagdari 132kV | 09/01/2020 04:15:00 | 18 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Wagdari 132kV | 09/01/2020 04:30:00 | 19 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.727 | 0.000000 |
| Wagdari 132kV | 09/01/2020 04:45:00 | 20 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.879 | 0.000000 |
| Wagdari 132kV | 09/01/2020 05:00:00 | 21 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.839 | 0.000000 |
| Wagdari 132kV | 09/01/2020 05:15:00 | 22 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.119 | 0.000000 |
| Wagdari 132kV | 09/01/2020 05:30:00 | 23 | 20000.0 | 75.0 | 0.0 | -75.0 | 0.38 | 0.00 | 4.064 | 192.930150 |
| Wagdari 132kV | 09/01/2020 05:45:00 | 24 | 20000.0 | 75.0 | 0.0 | -75.0 | 0.38 | 0.00 | 1.152 | 0.529113 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wagdari 132kV | 09/01/2020 06:00:00 | 25 | 20000.0 | 75.0 | 0.0 | -75.0 | 0.38 | 0.00 | -2.303 | 0.000000 |
| Wagdari 132kV | 09/01/2020 06:15:00 | 26 | 20000.0 | 75.0 | 0.0 | -75.0 | 0.38 | 0.00 | 2.303 | 49.886200 |
| Wagdari 132kV | 09/01/2020 06:30:00 | 27 | 20000.0 | 75.0 | 0.0 | -75.0 | 0.38 | 0.00 | -3.839 | 0.000000 |
| Wagdari 132kV | 09/01/2020 06:45:00 | 28 | 20000.0 | 72.5 | 0.0 | -72.5 | 0.36 | 0.00 | -2.879 | 0.000000 |
| Wagdari 132kV | 09/01/2020 07:00:00 | 29 | 20000.0 | 290.0 | 0.0 | -290.0 | 1.45 | 0.00 | -2.879 | 0.000000 |
| Wagdari 132kV | 09/01/2020 07:15:00 | 30 | 20000.0 | 755.0 | 0.0 | -755.0 | 3.77 | 0.00 | 6.400 | 375.617594 |
| Wagdari 132kV | 09/01/2020 07:30:00 | 31 | 20000.0 | 1417.5 | 0.0 | -1417.5 | 7.09 | 0.00 | 1.172 | 0.000000 |
| Wagdari 132kV | 09/01/2020 07:45:00 | 32 | 20000.0 | 2297.5 | 0.0 | -2297.5 | 11.49 | 0.00 | 0.576 | 0.000000 |
| Wagdari 132kV | 09/01/2020 08:00:00 | 33 | 20000.0 | 3105.0 | 0.0 | -3105.0 | 15.53 | 52.50 | -0.576 | 0.000000 |
| Wagdari 132kV | 09/01/2020 08:15:00 | 34 | 20000.0 | 4052.5 | 0.0 | -4052.5 | 20.26 | 526.25 | -1.152 | 0.000000 |
| Wagdari 132kV | 09/01/2020 08:30:00 | 35 | 20000.0 | 5032.5 | 0.0 | -5032.5 | 25.16 | 1032.50 | 0.576 | 0.000000 |
| Wagdari 132kV | 09/01/2020 08:45:00 | 36 | 20000.0 | 6142.5 | 0.0 | -6142.5 | 30.71 | 2142.50 | 0.000 | 0.000000 |
| Wagdari 132kV | 09/01/2020 09:00:00 | 37 | 20000.0 | 7077.5 | 0.0 | -7077.5 | 35.39 | 3116.25 | 1.152 | 0.000000 |
| Wagdari 132kV | 09/01/2020 09:15:00 | 38 | 20000.0 | 8220.0 | 0.0 | -8220.0 | 41.1 | 4830.00 | 1.727 | 0.000000 |
| Wagdari 132kV | 09/01/2020 09:30:00 | 39 | 20000.0 | 9472.5 | 0.0 | -9472.5 | 47.36 | 6708.75 | -3.839 | 0.000000 |
| Wagdari 132kV | 09/01/2020 09:45:00 | 40 | 20000.0 | 10907.5 | 0.0 | -10907.5 | 54.54 | 8861.25 | -1.152 | 0.000000 |
| Wagdari 132kV | 09/01/2020 10:00:00 | 41 | 20000.0 | 11650.0 | 0.0 | -11650.0 | 58.25 | 9975.00 | 0.000 | 0.000000 |
| Wagdari 132kV | 09/01/2020 10:15:00 | 42 | 20000.0 | 12640.0 | 0.0 | -12640.0 | 63.2 | 11460.00 | 1.727 | 0.000000 |
| Wagdari 132kV | 09/01/2020 10:30:00 | 43 | 20000.0 | 14352.5 | 0.0 | -14352.5 | 71.76 | 14028.75 | 2.303 | 0.000000 |
| Wagdari 132kV | 09/01/2020 10:45:00 | 44 | 20000.0 | 14452.5 | 0.0 | -14452.5 | 72.26 | 14178.75 | -1.144 | 0.000000 |
| Wagdari 132kV | 09/01/2020 11:00:00 | 45 | 20000.0 | 14827.5 | 0.0 | -14827.5 | 74.14 | 14741.25 | -4.479 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wagdari 132kV | 09/01/2020 11:15:00 | 46 | 20000.0 | 14005.0 | 0.0 | -14005.0 | 70.03 | 13507.50 | -3.519 | 0.000000 |
| Wagdari 132kV | 09/01/2020 11:30:00 | 47 | 20000.0 | 14222.5 | 0.0 | -14222.5 | 71.11 | 13833.75 | -2.303 | 0.000000 |
| Wagdari 132kV | 09/01/2020 11:45:00 | 48 | 20000.0 | 14390.0 | 0.0 | -14390.0 | 71.95 | 14085.00 | -0.576 | 0.000000 |
| Wagdari 132kV | 09/01/2020 12:00:00 | 49 | 20000.0 | 15067.5 | 0.0 | -15067.5 | 75.34 | 15101.25 | 0.000 | 0.000000 |
| Wagdari 132kV | 09/01/2020 12:15:00 | 50 | 20000.0 | 14935.0 | 0.0 | -14935.0 | 74.67 | 14902.50 | 3.839 | 0.000000 |
| Wagdari 132kV | 09/01/2020 12:30:00 | 51 | 20000.0 | 14920.0 | 0.0 | -14920.0 | 74.6 | 14880.00 | 3.199 | 0.000000 |
| Wagdari 132kV | 09/01/2020 12:45:00 | 52 | 20000.0 | 11487.5 | 0.0 | -11487.5 | 57.44 | 9731.25 | 3.199 | 0.000000 |
| Wagdari 132kV | 09/01/2020 13:00:00 | 53 | 20000.0 | 11200.0 | 0.0 | -11200.0 | 56.0 | 9300.00 | -1.152 | 0.000000 |
| Wagdari 132kV | 09/01/2020 13:15:00 | 54 | 20000.0 | 10915.0 | 0.0 | -10915.0 | 54.57 | 8872.50 | -1.152 | 0.000000 |
| Wagdari 132kV | 09/01/2020 13:30:00 | 55 | 20000.0 | 10627.5 | 0.0 | -10627.5 | 53.14 | 8441.25 | 1.727 | 0.000000 |
| Wagdari 132kV | 09/01/2020 13:45:00 | 56 | 20000.0 | 10340.0 | 0.0 | -10340.0 | 51.7 | 8010.00 | 3.199 | 0.000000 |
| Wagdari 132kV | 09/01/2020 14:00:00 | 57 | 20000.0 | 11032.5 | 0.0 | -11032.5 | 55.16 | 9048.75 | 4.345 | 0.000000 |
| Wagdari 132kV | 09/01/2020 14:15:00 | 58 | 20000.0 | 10785.0 | 0.0 | -10785.0 | 53.92 | 8677.50 | 3.941 | 0.000000 |
| Wagdari 132kV | 09/01/2020 14:30:00 | 59 | 20000.0 | 10772.5 | 0.0 | -10772.5 | 53.86 | 8658.75 | 1.152 | 0.000000 |
| Wagdari 132kV | 09/01/2020 14:45:00 | 60 | 20000.0 | 10135.0 | 0.0 | -10135.0 | 50.68 | 7702.50 | -0.576 | 0.000000 |
| Wagdari 132kV | 09/01/2020 15:00:00 | 61 | 20000.0 | 8910.0 | 0.0 | -8910.0 | 44.55 | 5865.00 | -1.006 | 0.000000 |
| Wagdari 132kV | 09/01/2020 15:15:00 | 62 | 20000.0 | 8160.0 | 0.0 | -8160.0 | 40.8 | 4740.00 | 3.199 | 0.000000 |
| Wagdari 132kV | 09/01/2020 15:30:00 | 63 | 20000.0 | 7407.5 | 0.0 | -7407.5 | 37.04 | 3611.25 | 2.879 | 0.000000 |
| Wagdari 132kV | 09/01/2020 15:45:00 | 64 | 20000.0 | 6872.5 | 0.0 | -6872.5 | 34.36 | 2872.50 | 3.839 | 0.000000 |
| Wagdari 132kV | 09/01/2020 16:00:00 | 65 | 20000.0 | 6340.0 | 0.0 | -6340.0 | 31.7 | 2340.00 | 1.727 | 0.000000 |
| Wagdari 132kV | 09/01/2020 16:15:00 | 66 | 20000.0 | 5367.5 | 0.0 | -5367.5 | 26.84 | 1367.50 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wagdari 132kV | 09/01/2020 16:30:00 | 67 | 20000.0 | 4400.0 | 0.0 | -4400.0 | 22.0 | 700.00 | -4.159 | 0.000000 |
| Wagdari 132kV | 09/01/2020 16:45:00 | 68 | 20000.0 | 3435.0 | 0.0 | -3435.0 | 17.18 | 217.50 | 3.839 | 0.000000 |
| Wagdari 132kV | 09/01/2020 17:00:00 | 69 | 20000.0 | 2472.5 | 0.0 | -2472.5 | 12.36 | 0.00 | 1.727 | 0.000000 |
| Wagdari 132kV | 09/01/2020 17:15:00 | 70 | 20000.0 | 1577.5 | 0.0 | -1577.5 | 7.89 | 0.00 | 3.839 | 542.211632 |
| Wagdari 132kV | 09/01/2020 17:30:00 | 71 | 20000.0 | 685.0 | 0.0 | -685.0 | 3.43 | 0.00 | -2.879 | 0.000000 |
| Wagdari 132kV | 09/01/2020 17:45:00 | 72 | 20000.0 | 342.5 | 0.0 | -342.5 | 1.71 | 0.00 | -4.146 | 0.000000 |
| Wagdari 132kV | 09/01/2020 18:00:00 | 73 | 20000.0 | 2.5 | 0.0 | -2.5 | 0.01 | 0.00 | -3.349 | 0.000000 |
| Wagdari 132kV | 09/01/2020 18:15:00 | 74 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.563 | 0.000000 |
| Wagdari 132kV | 09/01/2020 18:30:00 | 75 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.839 | 0.000000 |
| Wagdari 132kV | 09/01/2020 18:45:00 | 76 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.879 | 0.000000 |
| Wagdari 132kV | 09/01/2020 19:00:00 | 77 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.199 | 0.000000 |
| Wagdari 132kV | 09/01/2020 19:15:00 | 78 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Wagdari 132kV | 09/01/2020 19:30:00 | 79 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.442 | 0.000000 |
| Wagdari 132kV | 09/01/2020 19:45:00 | 80 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.286 | 0.000000 |
| Wagdari 132kV | 09/01/2020 20:00:00 | 81 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.070 | 0.000000 |
| Wagdari 132kV | 09/01/2020 20:15:00 | 82 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.236 | 0.000000 |
| Wagdari 132kV | 09/01/2020 20:30:00 | 83 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.799 | 0.000000 |
| Wagdari 132kV | 09/01/2020 20:45:00 | 84 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Wagdari 132kV | 09/01/2020 21:00:00 | 85 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.727 | 0.000000 |
| Wagdari 132kV | 09/01/2020 21:15:00 | 86 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |
| Wagdari 132kV | 09/01/2020 21:30:00 | 87 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wagdari 132kV | 09/01/2020 21:45:00 | 88 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.303 | 0.000000 |
| Wagdari 132kV | 09/01/2020 22:00:00 | 89 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.795 | 0.000000 |
| Wagdari 132kV | 09/01/2020 22:15:00 | 90 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.674 | 0.000000 |
| Wagdari 132kV | 09/01/2020 22:30:00 | 91 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.303 | 0.000000 |
| Wagdari 132kV | 09/01/2020 22:45:00 | 92 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.152 | 0.000000 |
| Wagdari 132kV | 09/01/2020 23:00:00 | 93 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Wagdari 132kV | 09/01/2020 23:15:00 | 94 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Wagdari 132kV | 09/01/2020 23:30:00 | 95 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.576 | 0.000000 |
| Wagdari 132kV | 09/01/2020 23:45:00 | 96 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.987 | 0.000000 |
| Wagdari 132kV | 10/01/2020 00:00:00 | 1 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.680 | 0.000000 |
| Wagdari 132kV | 10/01/2020 00:15:00 | 2 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.326 | 0.000000 |
| Wagdari 132kV | 10/01/2020 00:30:00 | 3 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.992 | 0.000000 |
| Wagdari 132kV | 10/01/2020 00:45:00 | 4 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.532 | 0.000000 |
| Wagdari 132kV | 10/01/2020 01:00:00 | 5 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.713 | 0.000000 |
| Wagdari 132kV | 10/01/2020 01:15:00 | 6 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.548 | 0.000000 |
| Wagdari 132kV | 10/01/2020 01:30:00 | 7 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Wagdari 132kV | 10/01/2020 01:45:00 | 8 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Wagdari 132kV | 10/01/2020 02:00:00 | 9 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.342 | 0.000000 |
| Wagdari 132kV | 10/01/2020 02:15:00 | 10 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.595 | 0.000000 |
| Wagdari 132kV | 10/01/2020 02:30:00 | 11 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.326 | 0.000000 |
| Wagdari 132kV | 10/01/2020 02:45:00 | 12 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wagdari 132kV | 10/01/2020 03:00:00 | 13 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.658 | 0.000000 |
| Wagdari 132kV | 10/01/2020 03:15:00 | 14 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Wagdari 132kV | 10/01/2020 03:30:00 | 15 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Wagdari 132kV | 10/01/2020 03:45:00 | 16 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.063 | 0.000000 |
| Wagdari 132kV | 10/01/2020 04:00:00 | 17 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.595 | 0.000000 |
| Wagdari 132kV | 10/01/2020 04:15:00 | 18 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.326 | 0.000000 |
| Wagdari 132kV | 10/01/2020 04:30:00 | 19 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.326 | 0.000000 |
| Wagdari 132kV | 10/01/2020 04:45:00 | 20 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.127 | 0.000000 |
| Wagdari 132kV | 10/01/2020 05:00:00 | 21 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.992 | 0.000000 |
| Wagdari 132kV | 10/01/2020 05:15:00 | 22 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.063 | 0.000000 |
| Wagdari 132kV | 10/01/2020 05:30:00 | 23 | 20000.0 | 75.0 | 0.0 | -75.0 | 0.38 | 0.00 | -2.658 | 0.000000 |
| Wagdari 132kV | 10/01/2020 05:45:00 | 24 | 20000.0 | 75.0 | 0.0 | -75.0 | 0.38 | 0.00 | 2.127 | 0.000000 |
| Wagdari 132kV | 10/01/2020 06:00:00 | 25 | 20000.0 | 75.0 | 0.0 | -75.0 | 0.38 | 0.00 | -2.127 | 0.000000 |
| Wagdari 132kV | 10/01/2020 06:15:00 | 26 | 20000.0 | 75.0 | 0.0 | -75.0 | 0.38 | 0.00 | 2.658 | 19.026666 |
| Wagdari 132kV | 10/01/2020 06:30:00 | 27 | 20000.0 | 75.0 | 0.0 | -75.0 | 0.38 | 0.00 | -2.992 | 0.000000 |
| Wagdari 132kV | 10/01/2020 06:45:00 | 28 | 20000.0 | 72.5 | 0.0 | -72.5 | 0.36 | 0.00 | -3.077 | 0.000000 |
| Wagdari 132kV | 10/01/2020 07:00:00 | 29 | 20000.0 | 292.5 | 0.0 | -292.5 | 1.46 | 0.00 | -0.687 | 0.000000 |
| Wagdari 132kV | 10/01/2020 07:15:00 | 30 | 20000.0 | 770.0 | 0.0 | -770.0 | 3.85 | 0.00 | -2.658 | 0.000000 |
| Wagdari 132kV | 10/01/2020 07:30:00 | 31 | 20000.0 | 1450.0 | 0.0 | -1450.0 | 7.25 | 0.00 | -1.063 | 0.000000 |
| Wagdari 132kV | 10/01/2020 07:45:00 | 32 | 20000.0 | 2347.5 | 0.0 | -2347.5 | 11.74 | 0.00 | -2.658 | 0.000000 |
| Wagdari 132kV | 10/01/2020 08:00:00 | 33 | 20000.0 | 3177.5 | 0.0 | -3177.5 | 15.89 | 88.75 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wagdari 132kV | 10/01/2020 08:15:00 | 34 | 20000.0 | 4190.0 | 0.0 | -4190.0 | 20.95 | 595.00 | -4.661 | 0.000000 |
| Wagdari 132kV | 10/01/2020 08:30:00 | 35 | 20000.0 | 5270.0 | 0.0 | -5270.0 | 26.35 | 1270.00 | 5.663 | 0.000000 |
| Wagdari 132kV | 10/01/2020 08:45:00 | 36 | 20000.0 | 6467.5 | 0.0 | -6467.5 | 32.34 | 2467.50 | 4.328 | 0.000000 |
| Wagdari 132kV | 10/01/2020 09:00:00 | 37 | 20000.0 | 7262.5 | 0.0 | -7262.5 | 36.31 | 3393.75 | -4.995 | 0.000000 |
| Wagdari 132kV | 10/01/2020 09:15:00 | 38 | 20000.0 | 7687.5 | 0.0 | -7687.5 | 38.44 | 4031.25 | -4.327 | 0.000000 |
| Wagdari 132kV | 10/01/2020 09:30:00 | 39 | 20000.0 | 8115.0 | 0.0 | -8115.0 | 40.58 | 4672.50 | -2.127 | 0.000000 |
| Wagdari 132kV | 10/01/2020 09:45:00 | 40 | 20000.0 | 8537.5 | 0.0 | -8537.5 | 42.69 | 5306.25 | -1.152 | 0.000000 |
| Wagdari 132kV | 10/01/2020 10:00:00 | 41 | 20000.0 | 9462.5 | 0.0 | -9462.5 | 47.31 | 6693.75 | 0.000 | 0.000000 |
| Wagdari 132kV | 10/01/2020 10:15:00 | 42 | 20000.0 | 10390.0 | 0.0 | -10390.0 | 51.95 | 8085.00 | -0.532 | 0.000000 |
| Wagdari 132kV | 10/01/2020 10:30:00 | 43 | 20000.0 | 11312.5 | 0.0 | -11312.5 | 56.56 | 9468.75 | -1.063 | 0.000000 |
| Wagdari 132kV | 10/01/2020 10:45:00 | 44 | 20000.0 | 12237.5 | 0.0 | -12237.5 | 61.19 | 10856.25 | 0.000 | 0.000000 |
| Wagdari 132kV | 10/01/2020 11:00:00 | 45 | 20000.0 | 12787.5 | 0.0 | -12787.5 | 63.94 | 11681.25 | 2.658 | 0.000000 |
| Wagdari 132kV | 10/01/2020 11:15:00 | 46 | 20000.0 | 13340.0 | 0.0 | -13340.0 | 66.7 | 12510.00 | 0.000 | 0.000000 |
| Wagdari 132kV | 10/01/2020 11:30:00 | 47 | 20000.0 | 13432.5 | 0.0 | -13432.5 | 67.16 | 12648.75 | -1.595 | 0.000000 |
| Wagdari 132kV | 10/01/2020 11:45:00 | 48 | 20000.0 | 13877.5 | 0.0 | -13877.5 | 69.39 | 13316.25 | 2.992 | 0.000000 |
| Wagdari 132kV | 10/01/2020 12:00:00 | 49 | 20000.0 | 14177.5 | 0.0 | -14177.5 | 70.89 | 13766.25 | 0.000 | 0.000000 |
| Wagdari 132kV | 10/01/2020 12:15:00 | 50 | 20000.0 | 16372.5 | 0.0 | -16372.5 | 81.86 | 17058.75 | 2.127 | 0.000000 |
| Wagdari 132kV | 10/01/2020 12:30:00 | 51 | 20000.0 | 16492.5 | 0.0 | -16492.5 | 82.46 | 17238.75 | 1.595 | 0.000000 |
| Wagdari 132kV | 10/01/2020 12:45:00 | 52 | 20000.0 | 16582.5 | 0.0 | -16582.5 | 82.91 | 17373.75 | -1.063 | 0.000000 |
| Wagdari 132kV | 10/01/2020 13:00:00 | 53 | 20000.0 | 16197.5 | 0.0 | -16197.5 | 80.99 | 16796.25 | 2.658 | 0.000000 |
| Wagdari 132kV | 10/01/2020 13:15:00 | 54 | 20000.0 | 15992.5 | 0.0 | -15992.5 | 79.96 | 16488.75 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wagdari 132kV | 10/01/2020 13:30:00 | 55 | 20000.0 | 15640.0 | 0.0 | -15640.0 | 78.2 | 15960.00 | 2.127 | 0.000000 |
| Wagdari 132kV | 10/01/2020 13:45:00 | 56 | 20000.0 | 15147.5 | 0.0 | -15147.5 | 75.74 | 15221.25 | -3.326 | 0.000000 |
| Wagdari 132kV | 10/01/2020 14:00:00 | 57 | 20000.0 | 12870.0 | 0.0 | -12870.0 | 64.35 | 11805.00 | -2.992 | 0.000000 |
| Wagdari 132kV | 10/01/2020 14:15:00 | 58 | 20000.0 | 12017.5 | 0.0 | -12017.5 | 60.09 | 10526.25 | 3.660 | 0.000000 |
| Wagdari 132kV | 10/01/2020 14:30:00 | 59 | 20000.0 | 10302.5 | 0.0 | -10302.5 | 51.51 | 7953.75 | -2.127 | 0.000000 |
| Wagdari 132kV | 10/01/2020 14:45:00 | 60 | 20000.0 | 11090.0 | 0.0 | -11090.0 | 55.45 | 9135.00 | -2.127 | 0.000000 |
| Wagdari 132kV | 10/01/2020 15:00:00 | 61 | 20000.0 | 10227.5 | 0.0 | -10227.5 | 51.14 | 7841.25 | 0.000 | 0.000000 |
| Wagdari 132kV | 10/01/2020 15:15:00 | 62 | 20000.0 | 8850.0 | 0.0 | -8850.0 | 44.25 | 5775.00 | -2.992 | 0.000000 |
| Wagdari 132kV | 10/01/2020 15:30:00 | 63 | 20000.0 | 8450.0 | 0.0 | -8450.0 | 42.25 | 5175.00 | -4.995 | 0.000000 |
| Wagdari 132kV | 10/01/2020 15:45:00 | 64 | 20000.0 | 7632.5 | 0.0 | -7632.5 | 38.16 | 3948.75 | -4.327 | 0.000000 |
| Wagdari 132kV | 10/01/2020 16:00:00 | 65 | 20000.0 | 6145.0 | 0.0 | -6145.0 | 30.73 | 2145.00 | -4.995 | 0.000000 |
| Wagdari 132kV | 10/01/2020 16:15:00 | 66 | 20000.0 | 4780.0 | 0.0 | -4780.0 | 23.9 | 890.00 | -8.000 | 0.000000 |
| Wagdari 132kV | 10/01/2020 16:30:00 | 67 | 20000.0 | 4037.5 | 0.0 | -4037.5 | 20.19 | 518.75 | -8.000 | 0.000000 |
| Wagdari 132kV | 10/01/2020 16:45:00 | 68 | 20000.0 | 3080.0 | 0.0 | -3080.0 | 15.4 | 40.00 | 4.327 | 0.000000 |
| Wagdari 132kV | 10/01/2020 17:00:00 | 69 | 20000.0 | 1830.0 | 0.0 | -1830.0 | 9.15 | 0.00 | 0.532 | 0.000000 |
| Wagdari 132kV | 10/01/2020 17:15:00 | 70 | 20000.0 | 1230.0 | 0.0 | -1230.0 | 6.15 | 0.00 | -1.595 | 0.000000 |
| Wagdari 132kV | 10/01/2020 17:30:00 | 71 | 20000.0 | 600.0 | 0.0 | -600.0 | 3.0 | 0.00 | -2.658 | 0.000000 |
| Wagdari 132kV | 10/01/2020 17:45:00 | 72 | 20000.0 | 192.5 | 0.0 | -192.5 | 0.96 | 0.00 | -2.127 | 0.000000 |
| Wagdari 132kV | 10/01/2020 18:00:00 | 73 | 20000.0 | 67.5 | 0.0 | -67.5 | 0.34 | 0.00 | -1.461 | 0.000000 |
| Wagdari 132kV | 10/01/2020 18:15:00 | 74 | 20000.0 | 70.0 | 0.0 | -70.0 | 0.35 | 0.00 | 3.326 | 24.599117 |
| Wagdari 132kV | 10/01/2020 18:30:00 | 75 | 20000.0 | 67.5 | 0.0 | -67.5 | 0.34 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wagdari 132kV | 10/01/2020 18:45:00 | 76 | 20000.0 | 55.0 | 0.0 | -55.0 | 0.27 | 0.00 | 3.994 | 9.180842 |
| Wagdari 132kV | 10/01/2020 19:00:00 | 77 | 20000.0 | 55.0 | 0.0 | -55.0 | 0.27 | 0.00 | -2.127 | 0.000000 |
| Wagdari 132kV | 10/01/2020 19:15:00 | 78 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Wagdari 132kV | 10/01/2020 19:30:00 | 79 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.660 | 0.000000 |
| Wagdari 132kV | 10/01/2020 19:45:00 | 80 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.326 | 0.000000 |
| Wagdari 132kV | 10/01/2020 20:00:00 | 81 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.660 | 0.000000 |
| Wagdari 132kV | 10/01/2020 20:15:00 | 82 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.660 | 0.000000 |
| Wagdari 132kV | 10/01/2020 20:30:00 | 83 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.995 | 0.000000 |
| Wagdari 132kV | 10/01/2020 20:45:00 | 84 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.992 | 0.000000 |
| Wagdari 132kV | 10/01/2020 21:00:00 | 85 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.660 | 0.000000 |
| Wagdari 132kV | 10/01/2020 21:15:00 | 86 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.595 | 0.000000 |
| Wagdari 132kV | 10/01/2020 21:30:00 | 87 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.063 | 0.000000 |
| Wagdari 132kV | 10/01/2020 21:45:00 | 88 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.532 | 0.000000 |
| Wagdari 132kV | 10/01/2020 22:00:00 | 89 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.595 | 0.000000 |
| Wagdari 132kV | 10/01/2020 22:15:00 | 90 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.127 | 0.000000 |
| Wagdari 132kV | 10/01/2020 22:30:00 | 91 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.063 | 0.000000 |
| Wagdari 132kV | 10/01/2020 22:45:00 | 92 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Wagdari 132kV | 10/01/2020 23:00:00 | 93 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.658 | 0.000000 |
| Wagdari 132kV | 10/01/2020 23:15:00 | 94 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Wagdari 132kV | 10/01/2020 23:30:00 | 95 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Wagdari 132kV | 10/01/2020 23:45:00 | 96 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wagdari 132kV | 11/01/2020 00:00:00 | 1 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Wagdari 132kV | 11/01/2020 00:15:00 | 2 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.629 | 0.000000 |
| Wagdari 132kV | 11/01/2020 00:30:00 | 3 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.577 | 0.000000 |
| Wagdari 132kV | 11/01/2020 00:45:00 | 4 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.103 | 0.000000 |
| Wagdari 132kV | 11/01/2020 01:00:00 | 5 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Wagdari 132kV | 11/01/2020 01:15:00 | 6 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.052 | 0.000000 |
| Wagdari 132kV | 11/01/2020 01:30:00 | 7 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.577 | 0.000000 |
| Wagdari 132kV | 11/01/2020 01:45:00 | 8 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.526 | 0.000000 |
| Wagdari 132kV | 11/01/2020 02:00:00 | 9 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.403 | 0.000000 |
| Wagdari 132kV | 11/01/2020 02:15:00 | 10 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.630 | 0.000000 |
| Wagdari 132kV | 11/01/2020 02:30:00 | 11 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.526 | 0.000000 |
| Wagdari 132kV | 11/01/2020 02:45:00 | 12 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.526 | 0.000000 |
| Wagdari 132kV | 11/01/2020 03:00:00 | 13 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.051 | 0.000000 |
| Wagdari 132kV | 11/01/2020 03:15:00 | 14 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Wagdari 132kV | 11/01/2020 03:30:00 | 15 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Wagdari 132kV | 11/01/2020 03:45:00 | 16 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Wagdari 132kV | 11/01/2020 04:00:00 | 17 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Wagdari 132kV | 11/01/2020 04:15:00 | 18 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.051 | 0.000000 |
| Wagdari 132kV | 11/01/2020 04:30:00 | 19 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.964 | 0.000000 |
| Wagdari 132kV | 11/01/2020 04:45:00 | 20 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.300 | 0.000000 |
| Wagdari 132kV | 11/01/2020 05:00:00 | 21 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wagdari 132kV | 11/01/2020 05:15:00 | 22 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.314 | 0.000000 |
| Wagdari 132kV | 11/01/2020 05:30:00 | 23 | 20000.0 | 75.0 | 0.0 | -75.0 | 0.38 | 0.00 | 2.964 | 45.408811 |
| Wagdari 132kV | 11/01/2020 05:45:00 | 24 | 20000.0 | 75.0 | 0.0 | -75.0 | 0.38 | 0.00 | 2.103 | 0.000000 |
| Wagdari 132kV | 11/01/2020 06:00:00 | 25 | 20000.0 | 75.0 | 0.0 | -75.0 | 0.38 | 0.00 | 3.636 | 0.000000 |
| Wagdari 132kV | 11/01/2020 06:15:00 | 26 | 20000.0 | 75.0 | 0.0 | -75.0 | 0.38 | 0.00 | 2.964 | 0.000000 |
| Wagdari 132kV | 11/01/2020 06:30:00 | 27 | 20000.0 | 75.0 | 0.0 | -75.0 | 0.38 | 0.00 | 4.105 | 55.097300 |
| Wagdari 132kV | 11/01/2020 06:45:00 | 28 | 20000.0 | 72.5 | 0.0 | -72.5 | 0.36 | 0.00 | 5.650 | 11.212292 |
| Wagdari 132kV | 11/01/2020 07:00:00 | 29 | 20000.0 | 292.5 | 0.0 | -292.5 | 1.46 | 0.00 | 3.300 | 0.000000 |
| Wagdari 132kV | 11/01/2020 07:15:00 | 30 | 20000.0 | 752.5 | 0.0 | -752.5 | 3.76 | 0.00 | 5.314 | 0.000000 |
| Wagdari 132kV | 11/01/2020 07:30:00 | 31 | 20000.0 | 1402.5 | 0.0 | -1402.5 | 7.01 | 0.00 | 2.964 | 0.000000 |
| Wagdari 132kV | 11/01/2020 07:45:00 | 32 | 20000.0 | 2207.5 | 0.0 | -2207.5 | 11.04 | 0.00 | 2.103 | 0.000000 |
| Wagdari 132kV | 11/01/2020 08:00:00 | 33 | 20000.0 | 3122.5 | 0.0 | -3122.5 | 15.61 | 61.25 | -1.577 | 0.000000 |
| Wagdari 132kV | 11/01/2020 08:15:00 | 34 | 20000.0 | 4017.5 | 0.0 | -4017.5 | 20.09 | 508.75 | 3.300 | 0.000000 |
| Wagdari 132kV | 11/01/2020 08:30:00 | 35 | 20000.0 | 5157.5 | 0.0 | -5157.5 | 25.79 | 1157.50 | 2.116 | 0.000000 |
| Wagdari 132kV | 11/01/2020 08:45:00 | 36 | 20000.0 | 6300.0 | 0.0 | -6300.0 | 31.5 | 2300.00 | 2.964 | 0.000000 |
| Wagdari 132kV | 11/01/2020 09:00:00 | 37 | 20000.0 | 7460.0 | 0.0 | -7460.0 | 37.3 | 3690.00 | 6.681 | 0.000000 |
| Wagdari 132kV | 11/01/2020 09:15:00 | 38 | 20000.0 | 8612.5 | 0.0 | -8612.5 | 43.06 | 5418.75 | 6.657 | 0.000000 |
| Wagdari 132kV | 11/01/2020 09:30:00 | 39 | 20000.0 | 10007.5 | 0.0 | -10007.5 | 50.04 | 7511.25 | -6.322 | 0.000000 |
| Wagdari 132kV | 11/01/2020 09:45:00 | 40 | 20000.0 | 11417.5 | 0.0 | -11417.5 | 57.09 | 9626.25 | -2.103 | 0.000000 |
| Wagdari 132kV | 11/01/2020 10:00:00 | 41 | 20000.0 | 12297.5 | 0.0 | -12297.5 | 61.49 | 10946.25 | 0.526 | 0.000000 |
| Wagdari 132kV | 11/01/2020 10:15:00 | 42 | 20000.0 | 13032.5 | 0.0 | -13032.5 | 65.16 | 12048.75 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wagdari 132kV | 11/01/2020 10:30:00 | 43 | 20000.0 | 14422.5 | 0.0 | -14422.5 | 72.11 | 14133.75 | 0.000 | 0.000000 |
| Wagdari 132kV | 11/01/2020 10:45:00 | 44 | 20000.0 | 14512.5 | 0.0 | -14512.5 | 72.56 | 14268.75 | 0.000 | 0.000000 |
| Wagdari 132kV | 11/01/2020 11:00:00 | 45 | 20000.0 | 14600.0 | 0.0 | -14600.0 | 73.0 | 14400.00 | 0.000 | 0.000000 |
| Wagdari 132kV | 11/01/2020 11:15:00 | 46 | 20000.0 | 13897.5 | 0.0 | -13897.5 | 69.49 | 13346.25 | -2.964 | 0.000000 |
| Wagdari 132kV | 11/01/2020 11:30:00 | 47 | 20000.0 | 13790.0 | 0.0 | -13790.0 | 68.95 | 13185.00 | -4.307 | 0.000000 |
| Wagdari 132kV | 11/01/2020 11:45:00 | 48 | 20000.0 | 14515.0 | 0.0 | -14515.0 | 72.58 | 14272.50 | -3.300 | 0.000000 |
| Wagdari 132kV | 11/01/2020 12:00:00 | 49 | 20000.0 | 14292.5 | 0.0 | -14292.5 | 71.46 | 13938.75 | -0.526 | 0.000000 |
| Wagdari 132kV | 11/01/2020 12:15:00 | 50 | 20000.0 | 15112.5 | 0.0 | -15112.5 | 75.56 | 15168.75 | -2.103 | 0.000000 |
| Wagdari 132kV | 11/01/2020 12:30:00 | 51 | 20000.0 | 14570.0 | 0.0 | -14570.0 | 72.85 | 14355.00 | -2.629 | 0.000000 |
| Wagdari 132kV | 11/01/2020 12:45:00 | 52 | 20000.0 | 14075.0 | 0.0 | -14075.0 | 70.38 | 13612.50 | -2.629 | 0.000000 |
| Wagdari 132kV | 11/01/2020 13:00:00 | 53 | 20000.0 | 14257.5 | 0.0 | -14257.5 | 71.29 | 13886.25 | 0.000 | 0.000000 |
| Wagdari 132kV | 11/01/2020 13:15:00 | 54 | 20000.0 | 14512.5 | 0.0 | -14512.5 | 72.56 | 14268.75 | -2.103 | 0.000000 |
| Wagdari 132kV | 11/01/2020 13:30:00 | 55 | 20000.0 | 14030.0 | 0.0 | -14030.0 | 70.15 | 13545.00 | 2.629 | 0.000000 |
| Wagdari 132kV | 11/01/2020 13:45:00 | 56 | 20000.0 | 14027.5 | 0.0 | -14027.5 | 70.14 | 13541.25 | 2.103 | 0.000000 |
| Wagdari 132kV | 11/01/2020 14:00:00 | 57 | 20000.0 | 13487.5 | 0.0 | -13487.5 | 67.44 | 12731.25 | 1.051 | 0.000000 |
| Wagdari 132kV | 11/01/2020 14:15:00 | 58 | 20000.0 | 12255.0 | 0.0 | -12255.0 | 61.27 | 10882.50 | 3.300 | 0.000000 |
| Wagdari 132kV | 11/01/2020 14:30:00 | 59 | 20000.0 | 10495.0 | 0.0 | -10495.0 | 52.48 | 8242.50 | -3.636 | 0.000000 |
| Wagdari 132kV | 11/01/2020 14:45:00 | 60 | 20000.0 | 11082.5 | 0.0 | -11082.5 | 55.41 | 9123.75 | 4.979 | 0.000000 |
| Wagdari 132kV | 11/01/2020 15:00:00 | 61 | 20000.0 | 9605.0 | 0.0 | -9605.0 | 48.02 | 6907.50 | -2.964 | 0.000000 |
| Wagdari 132kV | 11/01/2020 15:15:00 | 62 | 20000.0 | 8260.0 | 0.0 | -8260.0 | 41.3 | 4890.00 | -5.314 | 0.000000 |
| Wagdari 132kV | 11/01/2020 15:30:00 | 63 | 20000.0 | 8432.5 | 0.0 | -8432.5 | 42.16 | 5148.75 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wagdari 132kV | 11/01/2020 15:45:00 | 64 | 20000.0 | 7792.5 | 0.0 | -7792.5 | 38.96 | 4188.75 | 4.643 | 0.000000 |
| Wagdari 132kV | 11/01/2020 16:00:00 | 65 | 20000.0 | 6355.0 | 0.0 | -6355.0 | 31.77 | 2355.00 | 2.103 | 0.000000 |
| Wagdari 132kV | 11/01/2020 16:15:00 | 66 | 20000.0 | 5467.5 | 0.0 | -5467.5 | 27.34 | 1467.50 | -2.964 | 0.000000 |
| Wagdari 132kV | 11/01/2020 16:30:00 | 67 | 20000.0 | 5055.0 | 0.0 | -5055.0 | 25.27 | 1055.00 | -2.103 | 0.000000 |
| Wagdari 132kV | 11/01/2020 16:45:00 | 68 | 20000.0 | 3687.5 | 0.0 | -3687.5 | 18.44 | 343.75 | 3.972 | 0.000000 |
| Wagdari 132kV | 11/01/2020 17:00:00 | 69 | 20000.0 | 2082.5 | 0.0 | -2082.5 | 10.41 | 0.00 | -1.577 | 0.000000 |
| Wagdari 132kV | 11/01/2020 17:15:00 | 70 | 20000.0 | 1260.0 | 0.0 | -1260.0 | 6.3 | 0.00 | -1.577 | 0.000000 |
| Wagdari 132kV | 11/01/2020 17:30:00 | 71 | 20000.0 | 617.5 | 0.0 | -617.5 | 3.09 | 0.00 | 1.051 | 7.878895 |
| Wagdari 132kV | 11/01/2020 17:45:00 | 72 | 20000.0 | 180.0 | 0.0 | -180.0 | 0.9 | 0.00 | -2.103 | 0.000000 |
| Wagdari 132kV | 11/01/2020 18:00:00 | 73 | 20000.0 | 60.0 | 0.0 | -60.0 | 0.3 | 0.00 | -2.964 | 0.000000 |
| Wagdari 132kV | 11/01/2020 18:15:00 | 74 | 20000.0 | 67.5 | 0.0 | -67.5 | 0.34 | 0.00 | -2.629 | 0.000000 |
| Wagdari 132kV | 11/01/2020 18:30:00 | 75 | 20000.0 | 67.5 | 0.0 | -67.5 | 0.34 | 0.00 | 2.103 | 2.372794 |
| Wagdari 132kV | 11/01/2020 18:45:00 | 76 | 20000.0 | 70.0 | 0.0 | -70.0 | 0.35 | 0.00 | 0.526 | 7.204875 |
| Wagdari 132kV | 11/01/2020 19:00:00 | 77 | 20000.0 | 70.0 | 0.0 | -70.0 | 0.35 | 0.00 | 2.103 | 28.615767 |
| Wagdari 132kV | 11/01/2020 19:15:00 | 78 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.052 | 0.000000 |
| Wagdari 132kV | 11/01/2020 19:30:00 | 79 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Wagdari 132kV | 11/01/2020 19:45:00 | 80 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.629 | 0.000000 |
| Wagdari 132kV | 11/01/2020 20:00:00 | 81 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.629 | 0.000000 |
| Wagdari 132kV | 11/01/2020 20:15:00 | 82 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.307 | 0.000000 |
| Wagdari 132kV | 11/01/2020 20:30:00 | 83 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Wagdari 132kV | 11/01/2020 20:45:00 | 84 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.629 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wagdari 132kV | 11/01/2020 21:00:00 | 85 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.636 | 0.000000 |
| Wagdari 132kV | 11/01/2020 21:15:00 | 86 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.577 | 0.000000 |
| Wagdari 132kV | 11/01/2020 21:30:00 | 87 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.577 | 0.000000 |
| Wagdari 132kV | 11/01/2020 21:45:00 | 88 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.052 | 0.000000 |
| Wagdari 132kV | 11/01/2020 22:00:00 | 89 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.650 | 0.000000 |
| Wagdari 132kV | 11/01/2020 22:15:00 | 90 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -5.650 | 0.000000 |
| Wagdari 132kV | 11/01/2020 22:30:00 | 91 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.979 | 0.000000 |
| Wagdari 132kV | 11/01/2020 22:45:00 | 92 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.964 | 0.000000 |
| Wagdari 132kV | 11/01/2020 23:00:00 | 93 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.577 | 0.000000 |
| Wagdari 132kV | 11/01/2020 23:15:00 | 94 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.074 | 0.000000 |
| Wagdari 132kV | 11/01/2020 23:30:00 | 95 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.113 | 0.000000 |
| Wagdari 132kV | 11/01/2020 23:45:00 | 96 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.162 | 0.000000 |
| Wagdari 132kV | 12/01/2020 00:00:00 | 1 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Wagdari 132kV | 12/01/2020 00:15:00 | 2 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |
| Wagdari 132kV | 12/01/2020 00:30:00 | 3 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |
| Wagdari 132kV | 12/01/2020 00:45:00 | 4 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Wagdari 132kV | 12/01/2020 01:00:00 | 5 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -0.629 | 0.000000 |
| Wagdari 132kV | 12/01/2020 01:15:00 | 6 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.317 | 0.000000 |
| Wagdari 132kV | 12/01/2020 01:30:00 | 7 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.354 | 0.000000 |
| Wagdari 132kV | 12/01/2020 01:45:00 | 8 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Wagdari 132kV | 12/01/2020 02:00:00 | 9 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wagdari 132kV | 12/01/2020 02:15:00 | 10 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Wagdari 132kV | 12/01/2020 02:30:00 | 11 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.690 | 0.000000 |
| Wagdari 132kV | 12/01/2020 02:45:00 | 12 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Wagdari 132kV | 12/01/2020 03:00:00 | 13 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.354 | 0.000000 |
| Wagdari 132kV | 12/01/2020 03:15:00 | 14 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Wagdari 132kV | 12/01/2020 03:30:00 | 15 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.354 | 0.000000 |
| Wagdari 132kV | 12/01/2020 03:45:00 | 16 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Wagdari 132kV | 12/01/2020 04:00:00 | 17 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -2.152 | 0.000000 |
| Wagdari 132kV | 12/01/2020 04:15:00 | 18 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Wagdari 132kV | 12/01/2020 04:30:00 | 19 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1.076 | 0.000000 |
| Wagdari 132kV | 12/01/2020 04:45:00 | 20 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Wagdari 132kV | 12/01/2020 05:00:00 | 21 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.686 | 0.000000 |
| Wagdari 132kV | 12/01/2020 05:15:00 | 22 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.686 | 0.000000 |
| Wagdari 132kV | 12/01/2020 05:30:00 | 23 | 20000.0 | 67.5 | 0.0 | -67.5 | 0.34 | 0.00 | -1.614 | 0.000000 |
| Wagdari 132kV | 12/01/2020 05:45:00 | 24 | 20000.0 | 67.5 | 0.0 | -67.5 | 0.34 | 0.00 | -0.496 | 0.000000 |
| Wagdari 132kV | 12/01/2020 06:00:00 | 25 | 20000.0 | 67.5 | 0.0 | -67.5 | 0.34 | 0.00 | 0.000 | 0.000000 |
| Wagdari 132kV | 12/01/2020 06:15:00 | 26 | 20000.0 | 67.5 | 0.0 | -67.5 | 0.34 | 0.00 | -0.430 | 0.000000 |
| Wagdari 132kV | 12/01/2020 06:30:00 | 27 | 20000.0 | 67.5 | 0.0 | -67.5 | 0.34 | 0.00 | -2.152 | 0.000000 |
| Wagdari 132kV | 12/01/2020 06:45:00 | 28 | 20000.0 | 62.5 | 0.0 | -62.5 | 0.31 | 0.00 | 4.681 | 0.000000 |
| Wagdari 132kV | 12/01/2020 07:00:00 | 29 | 20000.0 | 277.5 | 0.0 | -277.5 | 1.39 | 0.00 | 1.614 | 0.000000 |
| Wagdari 132kV | 12/01/2020 07:15:00 | 30 | 20000.0 | 697.5 | 0.0 | -697.5 | 3.49 | 0.00 | 3.838 | 577.290323 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wagdari 132kV | 12/01/2020 07:30:00 | 31 | 20000.0 | 1292.5 | 0.0 | -1292.5 | 6.46 | 0.00 | 3.022 | 0.000000 |
| Wagdari 132kV | 12/01/2020 07:45:00 | 32 | 20000.0 | 2015.0 | 0.0 | -2015.0 | 10.08 | 0.00 | 2.690 | 0.000000 |
| Wagdari 132kV | 12/01/2020 08:00:00 | 33 | 20000.0 | 2755.0 | 0.0 | -2755.0 | 13.78 | 0.00 | -2.690 | 0.000000 |
| Wagdari 132kV | 12/01/2020 08:15:00 | 34 | 20000.0 | 3587.5 | 0.0 | -3587.5 | 17.94 | 293.75 | -4.018 | 0.000000 |
| Wagdari 132kV | 12/01/2020 08:30:00 | 35 | 20000.0 | 4647.5 | 0.0 | -4647.5 | 23.24 | 823.75 | -2.690 | 0.000000 |
| Wagdari 132kV | 12/01/2020 08:45:00 | 36 | 20000.0 | 5805.0 | 0.0 | -5805.0 | 29.03 | 1805.00 | 3.022 | 0.000000 |
| Wagdari 132kV | 12/01/2020 09:00:00 | 37 | 20000.0 | 7092.5 | 0.0 | -7092.5 | 35.46 | 3138.75 | -3.354 | 0.000000 |
| Wagdari 132kV | 12/01/2020 09:15:00 | 38 | 20000.0 | 8272.5 | 0.0 | -8272.5 | 41.36 | 4908.75 | -4.350 | 0.000000 |
| Wagdari 132kV | 12/01/2020 09:30:00 | 39 | 20000.0 | 9670.0 | 0.0 | -9670.0 | 48.35 | 7005.00 | 2.152 | 0.000000 |
| Wagdari 132kV | 12/01/2020 09:45:00 | 40 | 20000.0 | 11092.5 | 0.0 | -11092.5 | 55.46 | 9138.75 | -2.690 | 0.000000 |
| Wagdari 132kV | 12/01/2020 10:00:00 | 41 | 20000.0 | 13087.5 | 0.0 | -13087.5 | 65.44 | 12131.25 | -3.354 | 0.000000 |
| Wagdari 132kV | 12/01/2020 10:15:00 | 42 | 20000.0 | 13900.0 | 0.0 | -13900.0 | 69.5 | 13350.00 | -3.686 | 0.000000 |
| Wagdari 132kV | 12/01/2020 10:30:00 | 43 | 20000.0 | 14982.5 | 0.0 | -14982.5 | 74.91 | 14973.75 | -1.614 | 0.000000 |
| Wagdari 132kV | 12/01/2020 10:45:00 | 44 | 20000.0 | 15357.5 | 0.0 | -15357.5 | 76.79 | 15536.25 | 3.686 | 0.000000 |
| Wagdari 132kV | 12/01/2020 11:00:00 | 45 | 20000.0 | 15725.0 | 0.0 | -15725.0 | 78.62 | 16087.50 | -3.354 | 0.000000 |
| Wagdari 132kV | 12/01/2020 11:15:00 | 46 | 20000.0 | 15577.5 | 0.0 | -15577.5 | 77.89 | 15866.25 | -5.450 | 0.000000 |
| Wagdari 132kV | 12/01/2020 11:30:00 | 47 | 20000.0 | 15847.5 | 0.0 | -15847.5 | 79.24 | 16271.25 | -6.009 | 0.000000 |
| Wagdari 132kV | 12/01/2020 11:45:00 | 48 | 20000.0 | 16342.5 | 0.0 | -16342.5 | 81.71 | 17013.75 | 2.690 | 0.000000 |
| Wagdari 132kV | 12/01/2020 12:00:00 | 49 | 20000.0 | 16295.0 | 0.0 | -16295.0 | 81.47 | 16942.50 | 3.686 | 0.000000 |
| Wagdari 132kV | 12/01/2020 12:15:00 | 50 | 20000.0 | 16780.0 | 0.0 | -16780.0 | 83.9 | 17670.00 | -5.345 | 0.000000 |
| Wagdari 132kV | 12/01/2020 12:30:00 | 51 | 20000.0 | 16477.5 | 0.0 | -16477.5 | 82.39 | 17216.25 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wagdari 132kV | 12/01/2020 12:45:00 | 52 | 20000.0 | 16175.0 | 0.0 | -16175.0 | 80.88 | 16762.50 | -5.345 | 0.000000 |
| Wagdari 132kV | 12/01/2020 13:00:00 | 53 | 20000.0 | 15725.0 | 0.0 | -15725.0 | 78.62 | 16087.50 | -3.999 | 0.000000 |
| Wagdari 132kV | 12/01/2020 13:15:00 | 54 | 20000.0 | 15422.5 | 0.0 | -15422.5 | 77.11 | 15633.75 | -4.350 | 0.000000 |
| Wagdari 132kV | 12/01/2020 13:30:00 | 55 | 20000.0 | 14925.0 | 0.0 | -14925.0 | 74.62 | 14887.50 | -1.076 | 0.000000 |
| Wagdari 132kV | 12/01/2020 13:45:00 | 56 | 20000.0 | 14782.5 | 0.0 | -14782.5 | 73.91 | 14673.75 | -2.690 | 0.000000 |
| Wagdari 132kV | 12/01/2020 14:00:00 | 57 | 20000.0 | 14310.0 | 0.0 | -14310.0 | 71.55 | 13965.00 | -0.538 | 0.000000 |
| Wagdari 132kV | 12/01/2020 14:15:00 | 58 | 20000.0 | 13487.5 | 0.0 | -13487.5 | 67.44 | 12731.25 | -2.152 | 0.000000 |
| Wagdari 132kV | 12/01/2020 14:30:00 | 59 | 20000.0 | 12200.0 | 0.0 | -12200.0 | 61.0 | 10800.00 | -2.690 | 0.000000 |
| Wagdari 132kV | 12/01/2020 14:45:00 | 60 | 20000.0 | 12085.0 | 0.0 | -12085.0 | 60.42 | 10627.50 | -1.076 | 0.000000 |
| Wagdari 132kV | 12/01/2020 15:00:00 | 61 | 20000.0 | 10942.5 | 0.0 | -10942.5 | 54.71 | 8913.75 | 0.000 | 0.000000 |
| Wagdari 132kV | 12/01/2020 15:15:00 | 62 | 20000.0 | 9860.0 | 0.0 | -9860.0 | 49.3 | 7290.00 | -2.690 | 0.000000 |
| Wagdari 132kV | 12/01/2020 15:30:00 | 63 | 20000.0 | 9347.5 | 0.0 | -9347.5 | 46.74 | 6521.25 | -3.022 | 0.000000 |
| Wagdari 132kV | 12/01/2020 15:45:00 | 64 | 20000.0 | 8472.5 | 0.0 | -8472.5 | 42.36 | 5208.75 | -3.686 | 0.000000 |
| Wagdari 132kV | 12/01/2020 16:00:00 | 65 | 20000.0 | 6967.5 | 0.0 | -6967.5 | 34.84 | 2967.50 | -3.737 | 0.000000 |
| Wagdari 132kV | 12/01/2020 16:15:00 | 66 | 20000.0 | 5867.5 | 0.0 | -5867.5 | 29.34 | 1867.50 | -5.786 | 0.000000 |
| Wagdari 132kV | 12/01/2020 16:30:00 | 67 | 20000.0 | 5082.5 | 0.0 | -5082.5 | 25.41 | 1082.50 | -4.350 | 0.000000 |
| Wagdari 132kV | 12/01/2020 16:45:00 | 68 | 20000.0 | 3890.0 | 0.0 | -3890.0 | 19.45 | 445.00 | -1.614 | 0.000000 |
| Wagdari 132kV | 12/01/2020 17:00:00 | 69 | 20000.0 | 2530.0 | 0.0 | -2530.0 | 12.65 | 0.00 | 0.000 | 0.000000 |
| Wagdari 132kV | 12/01/2020 17:15:00 | 70 | 20000.0 | 1570.0 | 0.0 | -1570.0 | 7.85 | 0.00 | 2.690 | 407.028409 |
| Wagdari 132kV | 12/01/2020 17:30:00 | 71 | 20000.0 | 695.0 | 0.0 | -695.0 | 3.48 | 0.00 | -3.022 | 0.000000 |
| Wagdari 132kV | 12/01/2020 17:45:00 | 72 | 20000.0 | 287.5 | 0.0 | -287.5 | 1.44 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wagdari 132kV | 12/01/2020 18:00:00 | 73 | 20000.0 | 12.5 | 0.0 | -12.5 | 0.06 | 0.00 | -0.538 | 0.000000 |
| Wagdari 132kV | 12/01/2020 18:15:00 | 74 | 20000.0 | 15.0 | 0.0 | -15.0 | 0.07 | 0.00 | -4.350 | 0.000000 |
| Wagdari 132kV | 12/01/2020 18:30:00 | 75 | 20000.0 | 15.0 | 0.0 | -15.0 | 0.07 | 0.00 | 2.690 | 2.579479 |
| Wagdari 132kV | 12/01/2020 18:45:00 | 76 | 20000.0 | 17.5 | 0.0 | -17.5 | 0.09 | 0.00 | 3.022 | 19.387703 |
| Wagdari 132kV | 12/01/2020 19:00:00 | 77 | 20000.0 | 17.5 | 0.0 | -17.5 | 0.09 | 0.00 | 3.686 | 6.227510 |
| Wagdari 132kV | 12/01/2020 19:15:00 | 78 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.690 | 0.000000 |
| Wagdari 132kV | 12/01/2020 19:30:00 | 79 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.022 | 0.000000 |
| Wagdari 132kV | 12/01/2020 19:45:00 | 80 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.781 | 0.000000 |
| Wagdari 132kV | 12/01/2020 20:00:00 | 81 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.021 | 0.000000 |
| Wagdari 132kV | 12/01/2020 20:15:00 | 82 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.018 | 0.000000 |
| Wagdari 132kV | 12/01/2020 20:30:00 | 83 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.354 | 0.000000 |
| Wagdari 132kV | 12/01/2020 20:45:00 | 84 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.614 | 0.000000 |
| Wagdari 132kV | 12/01/2020 21:00:00 | 85 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -4.350 | 0.000000 |
| Wagdari 132kV | 12/01/2020 21:15:00 | 86 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.686 | 0.000000 |
| Wagdari 132kV | 12/01/2020 21:30:00 | 87 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -1.614 | 0.000000 |
| Wagdari 132kV | 12/01/2020 21:45:00 | 88 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.000000 |
| Wagdari 132kV | 12/01/2020 22:00:00 | 89 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | -3.354 | 0.000000 |
| Wagdari 132kV | 12/01/2020 22:15:00 | 90 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 4.350 | 0.000000 |
| Wagdari 132kV | 12/01/2020 22:30:00 | 91 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5.215 | 0.000000 |
| Wagdari 132kV | 12/01/2020 22:45:00 | 92 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |
| Wagdari 132kV | 12/01/2020 23:00:00 | 93 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wagdari 132kV | 12/01/2020 23:15:00 | 94 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Wagdari 132kV | 12/01/2020 23:30:00 | 95 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Wagdari 132kV | 12/01/2020 23:45:00 | 96 | 20000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.152 | 0.000000 |
| Walsang 132kV | 06/01/2020 00:00:00 | 1 | 34875.0 | 15295.0 | 10403.12 | -4891.88 | 14.03 | 0.00 | 2.903 | 0.000000 |
| Walsang 132kV | 06/01/2020 00:15:00 | 2 | 34875.0 | 15117.5 | 10925.0 | -4192.5 | 12.02 | 0.00 | 0.000 | 0.000000 |
| Walsang 132kV | 06/01/2020 00:30:00 | 3 | 34875.0 | 15002.5 | 11743.75 | -3258.75 | 9.34 | 0.00 | 0.000 | 0.000000 |
| Walsang 132kV | 06/01/2020 00:45:00 | 4 | 34875.0 | 14807.5 | 10443.75 | -4363.75 | 12.51 | 0.00 | -0.984 | 0.000000 |
| Walsang 132kV | 06/01/2020 01:00:00 | 5 | 34875.0 | 14642.5 | 9465.62 | -5176.88 | 14.84 | 0.00 | -3.541 | 0.000000 |
| Walsang 132kV | 06/01/2020 01:15:00 | 6 | 34875.0 | 14392.5 | 7987.5 | -6405.0 | 18.37 | 586.88 | 3.222 | 153.769742 |
| Walsang 132kV | 06/01/2020 01:30:00 | 7 | 34875.0 | 14295.0 | 8468.75 | -5826.25 | 16.71 | 297.50 | 3.541 | 1572.402016 |
| Walsang 132kV | 06/01/2020 01:45:00 | 8 | 34875.0 | 14117.5 | 7868.75 | -6248.75 | 17.92 | 508.75 | 2.352 | 0.000000 |
| Walsang 132kV | 06/01/2020 02:00:00 | 9 | 34875.0 | 14002.5 | 6543.75 | -7458.75 | 21.39 | 1113.75 | 1.747 | 0.000000 |
| Walsang 132kV | 06/01/2020 02:15:00 | 10 | 34875.0 | 13807.5 | 6606.25 | -7201.25 | 20.65 | 985.00 | 0.581 | 0.000000 |
| Walsang 132kV | 06/01/2020 02:30:00 | 11 | 34875.0 | 13642.5 | 6334.38 | -7308.12 | 20.96 | 1038.44 | -2.323 | 0.000000 |
| Walsang 132kV | 06/01/2020 02:45:00 | 12 | 34875.0 | 13392.5 | 6256.25 | -7136.25 | 20.46 | 952.50 | 2.323 | 0.000000 |
| Walsang 132kV | 06/01/2020 03:00:00 | 13 | 34875.0 | 10690.0 | 6693.75 | -3996.25 | 11.46 | 0.00 | 2.323 | 0.000000 |
| Walsang 132kV | 06/01/2020 03:15:00 | 14 | 34875.0 | 10647.5 | 6287.5 | -4360.0 | 12.5 | 0.00 | -1.742 | 0.000000 |
| Walsang 132kV | 06/01/2020 03:30:00 | 15 | 34875.0 | 10695.0 | 5231.25 | -5463.75 | 15.67 | 116.25 | 3.222 | 0.000000 |
| Walsang 132kV | 06/01/2020 03:45:00 | 16 | 34875.0 | 10610.0 | 4878.12 | -5731.88 | 16.44 | 250.32 | 3.541 | 0.000000 |
| Walsang 132kV | 06/01/2020 04:00:00 | 17 | 34875.0 | 10537.5 | 5371.88 | -5165.62 | 14.81 | 0.00 | 4.496 | 0.000000 |
| Walsang 132kV | 06/01/2020 04:15:00 | 18 | 34875.0 | 10642.5 | 5731.25 | -4911.25 | 14.08 | 0.00 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walsang 132kV | 06/01/2020 04:30:00 | 19 | 34875.0 | 10617.5 | 6018.75 | -4598.75 | 13.19 | 0.00 | 3.859 | 0.000000 |
| Walsang 132kV | 06/01/2020 04:45:00 | 20 | 34875.0 | 10625.0 | 5584.38 | -5040.62 | 14.45 | 0.00 | 4.815 | 0.000000 |
| Walsang 132kV | 06/01/2020 05:00:00 | 21 | 34875.0 | 10585.0 | 5003.12 | -5581.88 | 16.01 | 175.32 | 3.859 | 2448.106021 |
| Walsang 132kV | 06/01/2020 05:15:00 | 22 | 34875.0 | 10590.0 | 5303.12 | -5286.88 | 15.16 | 27.82 | 6.407 | 4186.067760 |
| Walsang 132kV | 06/01/2020 05:30:00 | 23 | 34875.0 | 10690.0 | 5912.5 | -4777.5 | 13.7 | 0.00 | 6.496 | 5600.036665 |
| Walsang 132kV | 06/01/2020 05:45:00 | 24 | 34875.0 | 10607.5 | 5909.38 | -4698.12 | 13.47 | 0.00 | 7.492 | 2976.028899 |
| Walsang 132kV | 06/01/2020 06:00:00 | 25 | 34875.0 | 13257.5 | 5668.75 | -7588.75 | 21.76 | 1178.75 | -5.452 | 0.000000 |
| Walsang 132kV | 06/01/2020 06:15:00 | 26 | 34875.0 | 13085.0 | 5365.62 | -7719.38 | 22.13 | 1244.07 | -6.089 | 0.000000 |
| Walsang 132kV | 06/01/2020 06:30:00 | 27 | 34875.0 | 12942.5 | 5243.75 | -7698.75 | 22.08 | 1233.75 | -7.044 | 0.000000 |
| Walsang 132kV | 06/01/2020 06:45:00 | 28 | 34875.0 | 12830.0 | 4831.25 | -7998.75 | 22.94 | 1383.75 | 7.682 | 0.000000 |
| Walsang 132kV | 06/01/2020 07:00:00 | 29 | 34875.0 | 12642.5 | 4890.62 | -7751.88 | 22.23 | 1260.32 | -3.859 | 0.000000 |
| Walsang 132kV | 06/01/2020 07:15:00 | 30 | 34875.0 | 12552.5 | 4718.75 | -7833.75 | 22.46 | 1301.25 | 4.815 | 3889.598723 |
| Walsang 132kV | 06/01/2020 07:30:00 | 31 | 34875.0 | 12367.5 | 4062.5 | -8305.0 | 23.81 | 1536.88 | 4.178 | 0.000000 |
| Walsang 132kV | 06/01/2020 07:45:00 | 32 | 34875.0 | 8040.0 | 2765.62 | -5274.38 | 15.12 | 21.57 | -3.540 | 0.000000 |
| Walsang 132kV | 06/01/2020 08:00:00 | 33 | 34875.0 | 7960.0 | 1712.5 | -6247.5 | 17.91 | 508.13 | -3.859 | 0.000000 |
| Walsang 132kV | 06/01/2020 08:15:00 | 34 | 34875.0 | 7875.0 | 1578.12 | -6296.88 | 18.06 | 532.82 | -5.452 | 0.000000 |
| Walsang 132kV | 06/01/2020 08:30:00 | 35 | 34875.0 | 7810.0 | 1465.62 | -6344.38 | 18.19 | 556.57 | 4.178 | 0.000000 |
| Walsang 132kV | 06/01/2020 08:45:00 | 36 | 34875.0 | 7660.0 | 1675.0 | -5985.0 | 17.16 | 376.88 | -3.859 | 0.000000 |
| Walsang 132kV | 06/01/2020 09:00:00 | 37 | 34875.0 | 5965.0 | 2321.88 | -3643.12 | 10.45 | 0.00 | -6.407 | 0.000000 |
| Walsang 132kV | 06/01/2020 09:15:00 | 38 | 34875.0 | 5892.5 | 1903.12 | -3989.38 | 11.44 | 0.00 | -8.000 | 0.000000 |
| Walsang 132kV | 06/01/2020 09:30:00 | 39 | 34875.0 | 5585.0 | 1296.88 | -4288.12 | 12.3 | 0.00 | -5.770 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walsang 132kV | 06/01/2020 09:45:00 | 40 | 34875.0 | 5252.5 | 1065.62 | -4186.88 | 12.01 | 0.00 | 3.222 | 0.000000 |
| Walsang 132kV | 06/01/2020 10:00:00 | 41 | 34875.0 | 4860.0 | 668.75 | -4191.25 | 12.02 | 0.00 | -2.903 | 0.000000 |
| Walsang 132kV | 06/01/2020 10:15:00 | 42 | 34875.0 | 4670.0 | 528.12 | -4141.88 | 11.88 | 0.00 | -3.222 | 0.000000 |
| Walsang 132kV | 06/01/2020 10:30:00 | 43 | 34875.0 | 5050.0 | 509.38 | -4540.62 | 13.02 | 0.00 | 4.815 | 0.000000 |
| Walsang 132kV | 06/01/2020 10:45:00 | 44 | 34875.0 | 4977.5 | 759.38 | -4218.12 | 12.09 | 0.00 | 4.496 | 0.000000 |
| Walsang 132kV | 06/01/2020 11:00:00 | 45 | 34875.0 | 4970.0 | 1281.25 | -3688.75 | 10.58 | 0.00 | 16.000 | 0.000000 |
| Walsang 132kV | 06/01/2020 11:15:00 | 46 | 34875.0 | 5000.0 | 1825.0 | -3175.0 | 9.1 | 0.00 | 5.133 | 0.000000 |
| Walsang 132kV | 06/01/2020 11:30:00 | 47 | 34875.0 | 5007.5 | 1693.75 | -3313.75 | 9.5 | 0.00 | 1.182 | 0.000000 |
| Walsang 132kV | 06/01/2020 11:45:00 | 48 | 34875.0 | 4995.0 | 1853.12 | -3141.88 | 9.01 | 0.00 | 6.308 | 0.000000 |
| Walsang 132kV | 06/01/2020 12:00:00 | 49 | 34875.0 | 4977.5 | 2162.5 | -2815.0 | 8.07 | 0.00 | 6.598 | 0.000000 |
| Walsang 132kV | 06/01/2020 12:15:00 | 50 | 34875.0 | 4940.0 | 2862.5 | -2077.5 | 5.96 | 0.00 | 5.431 | 0.000000 |
| Walsang 132kV | 06/01/2020 12:30:00 | 51 | 34875.0 | 4937.5 | 2509.38 | -2428.12 | 6.96 | 0.00 | 3.540 | 0.000000 |
| Walsang 132kV | 06/01/2020 12:45:00 | 52 | 34875.0 | 4955.0 | 2106.25 | -2848.75 | 8.17 | 0.00 | -2.903 | 0.000000 |
| Walsang 132kV | 06/01/2020 13:00:00 | 53 | 34875.0 | 4950.0 | 1796.88 | -3153.12 | 9.04 | 0.00 | -1.161 | 0.000000 |
| Walsang 132kV | 06/01/2020 13:15:00 | 54 | 34875.0 | 4992.5 | 1475.0 | -3517.5 | 10.09 | 0.00 | 3.859 | 0.000000 |
| Walsang 132kV | 06/01/2020 13:30:00 | 55 | 34875.0 | 4862.5 | 1359.38 | -3503.12 | 10.04 | 0.00 | -6.407 | 0.000000 |
| Walsang 132kV | 06/01/2020 13:45:00 | 56 | 34875.0 | 4957.5 | 1634.38 | -3323.12 | 9.53 | 0.00 | 5.452 | 0.000000 |
| Walsang 132kV | 06/01/2020 14:00:00 | 57 | 34875.0 | 4980.0 | 1943.75 | -3036.25 | 8.71 | 0.00 | 5.452 | 0.000000 |
| Walsang 132kV | 06/01/2020 14:15:00 | 58 | 34875.0 | 5030.0 | 2181.25 | -2848.75 | 8.17 | 0.00 | 16.000 | 0.000000 |
| Walsang 132kV | 06/01/2020 14:30:00 | 59 | 34875.0 | 4817.5 | 2153.12 | -2664.38 | 7.64 | 0.00 | 6.035 | 0.000000 |
| Walsang 132kV | 06/01/2020 14:45:00 | 60 | 34875.0 | 5092.5 | 2253.12 | -2839.38 | 8.14 | 0.00 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walsang 132kV | 06/01/2020 15:00:00 | 61 | 34875.0 | 5035.0 | 2453.12 | -2581.88 | 7.4 | 0.00 | 3.367 | 0.000000 |
| Walsang 132kV | 06/01/2020 15:15:00 | 62 | 34875.0 | 5077.5 | 3203.12 | -1874.38 | 5.37 | 0.00 | 3.904 | 0.000000 |
| Walsang 132kV | 06/01/2020 15:30:00 | 63 | 34875.0 | 5047.5 | 3453.12 | -1594.38 | 4.57 | 0.00 | 4.482 | 0.000000 |
| Walsang 132kV | 06/01/2020 15:45:00 | 64 | 34875.0 | 5057.5 | 3353.12 | -1704.38 | 4.89 | 0.00 | 4.225 | 0.000000 |
| Walsang 132kV | 06/01/2020 16:00:00 | 65 | 34875.0 | 5067.5 | 3093.75 | -1973.75 | 5.66 | 0.00 | 2.895 | 0.000000 |
| Walsang 132kV | 06/01/2020 16:15:00 | 66 | 34875.0 | 5030.0 | 3678.12 | -1351.88 | 3.88 | 0.00 | 6.089 | 0.000000 |
| Walsang 132kV | 06/01/2020 16:30:00 | 67 | 34875.0 | 4962.5 | 3368.75 | -1593.75 | 4.57 | 0.00 | -8.000 | 0.000000 |
| Walsang 132kV | 06/01/2020 16:45:00 | 68 | 34875.0 | 4900.0 | 3331.25 | -1568.75 | 4.5 | 0.00 | -4.178 | 0.000000 |
| Walsang 132kV | 06/01/2020 17:00:00 | 69 | 34875.0 | 5077.5 | 3278.12 | -1799.38 | 5.16 | 0.00 | 1.742 | 0.000000 |
| Walsang 132kV | 06/01/2020 17:15:00 | 70 | 34875.0 | 5060.0 | 3015.62 | -2044.38 | 5.86 | 0.00 | 2.903 | 0.000000 |
| Walsang 132kV | 06/01/2020 17:30:00 | 71 | 34875.0 | 4980.0 | 3118.75 | -1861.25 | 5.34 | 0.00 | -4.178 | 0.000000 |
| Walsang 132kV | 06/01/2020 17:45:00 | 72 | 34875.0 | 4935.0 | 3178.12 | -1756.88 | 5.04 | 0.00 | -2.323 | 0.000000 |
| Walsang 132kV | 06/01/2020 18:00:00 | 73 | 34875.0 | 4977.5 | 2834.38 | -2143.12 | 6.15 | 0.00 | -2.903 | 0.000000 |
| Walsang 132kV | 06/01/2020 18:15:00 | 74 | 34875.0 | 5025.0 | 2737.5 | -2287.5 | 6.56 | 0.00 | 1.161 | 594.886076 |
| Walsang 132kV | 06/01/2020 18:30:00 | 75 | 34875.0 | 4787.5 | 2437.5 | -2350.0 | 6.74 | 0.00 | 2.903 | 2001.574014 |
| Walsang 132kV | 06/01/2020 18:45:00 | 76 | 34875.0 | 5080.0 | 2456.25 | -2623.75 | 7.52 | 0.00 | 2.903 | 52.903249 |
| Walsang 132kV | 06/01/2020 19:00:00 | 77 | 34875.0 | 5035.0 | 2468.75 | -2566.25 | 7.36 | 0.00 | -1.161 | 0.000000 |
| Walsang 132kV | 06/01/2020 19:15:00 | 78 | 34875.0 | 5082.5 | 3034.38 | -2048.12 | 5.87 | 0.00 | -4.178 | 0.000000 |
| Walsang 132kV | 06/01/2020 19:30:00 | 79 | 34875.0 | 4927.5 | 3600.0 | -1327.5 | 3.81 | 0.00 | -2.323 | 0.000000 |
| Walsang 132kV | 06/01/2020 19:45:00 | 80 | 34875.0 | 4917.5 | 4056.25 | -861.25 | 2.47 | 0.00 | -4.178 | 0.000000 |
| Walsang 132kV | 06/01/2020 20:00:00 | 81 | 34875.0 | 4787.5 | 4778.12 | -9.38 | 0.03 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walsang 132kV | 06/01/2020 20:15:00 | 82 | 34875.0 | 4882.5 | 5265.62 | 383.12 | 1.1 | 0.00 | -5.770 | 0.000000 |
| Walsang 132kV | 06/01/2020 20:30:00 | 83 | 34875.0 | 4905.0 | 5537.5 | 632.5 | 1.81 | 0.00 | 5.770 | 0.000000 |
| Walsang 132kV | 06/01/2020 20:45:00 | 84 | 34875.0 | 4947.5 | 5918.75 | 971.25 | 2.78 | 0.00 | 4.178 | 0.000000 |
| Walsang 132kV | 06/01/2020 21:00:00 | 85 | 34875.0 | 4690.0 | 5981.25 | 1291.25 | 3.7 | 0.00 | 3.222 | 0.000000 |
| Walsang 132kV | 06/01/2020 21:15:00 | 86 | 34875.0 | 4952.5 | 5681.25 | 728.75 | 2.09 | 0.00 | -1.742 | 0.000000 |
| Walsang 132kV | 06/01/2020 21:30:00 | 87 | 34875.0 | 4847.5 | 6165.62 | 1318.12 | 3.78 | 0.00 | 0.000 | 0.000000 |
| Walsang 132kV | 06/01/2020 21:45:00 | 88 | 34875.0 | 5055.0 | 6037.5 | 982.5 | 2.82 | 0.00 | 1.161 | 0.000000 |
| Walsang 132kV | 06/01/2020 22:00:00 | 89 | 34875.0 | 4987.5 | 5653.12 | 665.62 | 1.91 | 0.00 | 4.815 | 0.000000 |
| Walsang 132kV | 06/01/2020 22:15:00 | 90 | 34875.0 | 4987.5 | 5703.12 | 715.62 | 2.05 | 0.00 | 3.859 | 0.000000 |
| Walsang 132kV | 06/01/2020 22:30:00 | 91 | 34875.0 | 7922.5 | 7040.62 | -881.88 | 2.53 | 0.00 | 1.742 | 0.000000 |
| Walsang 132kV | 06/01/2020 22:45:00 | 92 | 34875.0 | 7952.5 | 7081.25 | -871.25 | 2.5 | 0.00 | -2.323 | 0.000000 |
| Walsang 132kV | 06/01/2020 23:00:00 | 93 | 34875.0 | 8305.0 | 6890.62 | -1414.38 | 4.06 | 0.00 | -2.903 | 0.000000 |
| Walsang 132kV | 06/01/2020 23:15:00 | 94 | 34875.0 | 8630.0 | 7115.62 | -1514.38 | 4.34 | 0.00 | 2.323 | 0.000000 |
| Walsang 132kV | 06/01/2020 23:30:00 | 95 | 34875.0 | 8637.5 | 7540.62 | -1096.88 | 3.15 | 0.00 | -3.222 | 0.000000 |
| Walsang 132kV | 06/01/2020 23:45:00 | 96 | 34875.0 | 8805.0 | 8746.88 | -58.12 | 0.17 | 0.00 | 2.323 | 0.000000 |
| Walsang 132kV | 07/01/2020 00:00:00 | 1 | 34875.0 | 9530.0 | 8525.0 | -1005.0 | 2.88 | 0.00 | -0.549 | 0.000000 |
| Walsang 132kV | 07/01/2020 00:15:00 | 2 | 34875.0 | 9475.0 | 7196.88 | -2278.12 | 6.53 | 0.00 | -1.647 | 0.000000 |
| Walsang 132kV | 07/01/2020 00:30:00 | 3 | 34875.0 | 9410.0 | 5771.88 | -3638.12 | 10.43 | 0.00 | -3.073 | 0.000000 |
| Walsang 132kV | 07/01/2020 00:45:00 | 4 | 34875.0 | 9310.0 | 5075.0 | -4235.0 | 12.14 | 0.00 | -2.744 | 0.000000 |
| Walsang 132kV | 07/01/2020 01:00:00 | 5 | 34875.0 | 9625.0 | 5075.0 | -4550.0 | 13.05 | 0.00 | -4.058 | 0.000000 |
| Walsang 132kV | 07/01/2020 01:15:00 | 6 | 34875.0 | 10545.0 | 5153.12 | -5391.88 | 15.46 | 80.32 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walsang 132kV | 07/01/2020 01:30:00 | 7 | 34875.0 | 10545.0 | 5300.0 | -5245.0 | 15.04 | 6.88 | -3.401 | 0.000000 |
| Walsang 132kV | 07/01/2020 01:45:00 | 8 | 34875.0 | 10580.0 | 5165.62 | -5414.38 | 15.53 | 91.57 | 3.730 | 0.000000 |
| Walsang 132kV | 07/01/2020 02:00:00 | 9 | 34875.0 | 10540.0 | 4921.88 | -5618.12 | 16.11 | 193.44 | 3.073 | 1223.106596 |
| Walsang 132kV | 07/01/2020 02:15:00 | 10 | 34875.0 | 10535.0 | 5387.5 | -5147.5 | 14.76 | 0.00 | 3.073 | 501.107472 |
| Walsang 132kV | 07/01/2020 02:30:00 | 11 | 34875.0 | 10520.0 | 5743.75 | -4776.25 | 13.7 | 0.00 | 3.401 | 650.344074 |
| Walsang 132kV | 07/01/2020 02:45:00 | 12 | 34875.0 | 10515.0 | 5743.75 | -4771.25 | 13.68 | 0.00 | 2.745 | 647.965981 |
| Walsang 132kV | 07/01/2020 03:00:00 | 13 | 34875.0 | 8785.0 | 5359.38 | -3425.62 | 9.82 | 0.00 | 1.647 | 0.000000 |
| Walsang 132kV | 07/01/2020 03:15:00 | 14 | 34875.0 | 8780.0 | 5593.75 | -3186.25 | 9.14 | 0.00 | 2.196 | 204.406484 |
| Walsang 132kV | 07/01/2020 03:30:00 | 15 | 34875.0 | 8725.0 | 5325.0 | -3400.0 | 9.75 | 0.00 | 1.647 | 290.192294 |
| Walsang 132kV | 07/01/2020 03:45:00 | 16 | 34875.0 | 8660.0 | 4650.0 | -4010.0 | 11.5 | 0.00 | 1.098 | 0.000000 |
| Walsang 132kV | 07/01/2020 04:00:00 | 17 | 34875.0 | 8560.0 | 4443.75 | -4116.25 | 11.8 | 0.00 | 1.647 | 1507.370422 |
| Walsang 132kV | 07/01/2020 04:15:00 | 18 | 34875.0 | 8875.0 | 4293.75 | -4581.25 | 13.14 | 0.00 | 2.210 | 3279.983132 |
| Walsang 132kV | 07/01/2020 04:30:00 | 19 | 34875.0 | 8795.0 | 4062.5 | -4732.5 | 13.57 | 0.00 | 3.730 | 4784.518573 |
| Walsang 132kV | 07/01/2020 04:45:00 | 20 | 34875.0 | 8795.0 | 3765.62 | -5029.38 | 14.42 | 0.00 | -1.098 | 0.000000 |
| Walsang 132kV | 07/01/2020 05:00:00 | 21 | 34875.0 | 8830.0 | 3328.12 | -5501.88 | 15.78 | 135.32 | -2.744 | 0.000000 |
| Walsang 132kV | 07/01/2020 05:15:00 | 22 | 34875.0 | 8790.0 | 3037.5 | -5752.5 | 16.49 | 260.63 | 3.730 | 2955.165376 |
| Walsang 132kV | 07/01/2020 05:30:00 | 23 | 34875.0 | 8785.0 | 2740.62 | -6044.38 | 17.33 | 406.57 | 3.073 | 6975.820399 |
| Walsang 132kV | 07/01/2020 05:45:00 | 24 | 34875.0 | 8770.0 | 2650.0 | -6120.0 | 17.55 | 444.38 | 3.730 | 5486.947495 |
| Walsang 132kV | 07/01/2020 06:00:00 | 25 | 34875.0 | 8765.0 | 2665.62 | -6099.38 | 17.49 | 434.07 | -5.372 | 0.000000 |
| Walsang 132kV | 07/01/2020 06:15:00 | 26 | 34875.0 | 5535.0 | 2559.38 | -2975.62 | 8.53 | 0.00 | 4.556 | 9915.057049 |
| Walsang 132kV | 07/01/2020 06:30:00 | 27 | 34875.0 | 5530.0 | 3056.25 | -2473.75 | 7.09 | 0.00 | 7.148 | 14271.531607 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walsang 132kV | 07/01/2020 06:45:00 | 28 | 34875.0 | 5475.0 | 3343.75 | -2131.25 | 6.11 | 0.00 | 7.821 | 11274.767488 |
| Walsang 132kV | 07/01/2020 07:00:00 | 29 | 34875.0 | 5410.0 | 3518.75 | -1891.25 | 5.42 | 0.00 | 5.372 | 5025.898033 |
| Walsang 132kV | 07/01/2020 07:15:00 | 30 | 34875.0 | 5310.0 | 3487.5 | -1822.5 | 5.23 | 0.00 | 16.000 | 0.000000 |
| Walsang 132kV | 07/01/2020 07:30:00 | 31 | 34875.0 | 5625.0 | 3975.0 | -1650.0 | 4.73 | 0.00 | 9.296 | 0.000000 |
| Walsang 132kV | 07/01/2020 07:45:00 | 32 | 34875.0 | 5545.0 | 4171.88 | -1373.12 | 3.94 | 0.00 | 9.794 | 0.000000 |
| Walsang 132kV | 07/01/2020 08:00:00 | 33 | 34875.0 | 5545.0 | 4125.0 | -1420.0 | 4.07 | 0.00 | 3.593 | 0.000000 |
| Walsang 132kV | 07/01/2020 08:15:00 | 34 | 34875.0 | 5580.0 | 4290.62 | -1289.38 | 3.7 | 0.00 | 3.401 | 0.000000 |
| Walsang 132kV | 07/01/2020 08:30:00 | 35 | 34875.0 | 5540.0 | 4121.88 | -1418.12 | 4.07 | 0.00 | 3.245 | 0.000000 |
| Walsang 132kV | 07/01/2020 08:45:00 | 36 | 34875.0 | 5535.0 | 3862.5 | -1672.5 | 4.8 | 0.00 | 0.000 | 0.000000 |
| Walsang 132kV | 07/01/2020 09:00:00 | 37 | 34875.0 | 5520.0 | 3703.12 | -1816.88 | 5.21 | 0.00 | 2.745 | 0.000000 |
| Walsang 132kV | 07/01/2020 09:15:00 | 38 | 34875.0 | 5515.0 | 4118.75 | -1396.25 | 4.0 | 0.00 | 4.715 | 0.000000 |
| Walsang 132kV | 07/01/2020 09:30:00 | 39 | 34875.0 | 5535.0 | 4909.38 | -625.62 | 1.79 | 0.00 | 3.981 | 0.000000 |
| Walsang 132kV | 07/01/2020 09:45:00 | 40 | 34875.0 | 5530.0 | 5787.5 | 257.5 | 0.74 | 0.00 | 3.730 | 0.000000 |
| Walsang 132kV | 07/01/2020 10:00:00 | 41 | 34875.0 | 5475.0 | 6931.25 | 1456.25 | 4.18 | 0.00 | 1.780 | 0.000000 |
| Walsang 132kV | 07/01/2020 10:15:00 | 42 | 34875.0 | 5410.0 | 6712.5 | 1302.5 | 3.73 | 0.00 | 5.643 | 0.000000 |
| Walsang 132kV | 07/01/2020 10:30:00 | 43 | 34875.0 | 7372.5 | 6184.38 | -1188.12 | 3.41 | 0.00 | 4.976 | 0.000000 |
| Walsang 132kV | 07/01/2020 10:45:00 | 44 | 34875.0 | 7190.0 | 5071.88 | -2118.12 | 6.07 | 0.00 | 4.415 | 0.000000 |
| Walsang 132kV | 07/01/2020 11:00:00 | 45 | 34875.0 | 6610.0 | 4006.25 | -2603.75 | 7.47 | 0.00 | 4.476 | 0.000000 |
| Walsang 132kV | 07/01/2020 11:15:00 | 46 | 34875.0 | 6385.0 | 3428.12 | -2956.88 | 8.48 | 0.00 | 4.826 | 0.000000 |
| Walsang 132kV | 07/01/2020 11:30:00 | 47 | 34875.0 | 5990.0 | 2900.0 | -3090.0 | 8.86 | 0.00 | 2.289 | 0.000000 |
| Walsang 132kV | 07/01/2020 11:45:00 | 48 | 34875.0 | 5700.0 | 2625.0 | -3075.0 | 8.82 | 0.00 | -0.549 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walsang 132kV | 07/01/2020 12:00:00 | 49 | 34875.0 | 5085.0 | 2421.88 | -2663.12 | 7.64 | 0.00 | 4.727 | 0.000000 |
| Walsang 132kV | 07/01/2020 12:15:00 | 50 | 34875.0 | 5082.5 | 2471.88 | -2610.62 | 7.49 | 0.00 | 4.777 | 0.000000 |
| Walsang 132kV | 07/01/2020 12:30:00 | 51 | 34875.0 | 5080.0 | 2553.12 | -2526.88 | 7.25 | 0.00 | 4.798 | 0.000000 |
| Walsang 132kV | 07/01/2020 12:45:00 | 52 | 34875.0 | 5107.5 | 2112.5 | -2995.0 | 8.59 | 0.00 | -3.401 | 0.000000 |
| Walsang 132kV | 07/01/2020 13:00:00 | 53 | 34875.0 | 5057.5 | 1487.5 | -3570.0 | 10.24 | 0.00 | -2.431 | 0.000000 |
| Walsang 132kV | 07/01/2020 13:15:00 | 54 | 34875.0 | 5022.5 | 1381.25 | -3641.25 | 10.44 | 0.00 | -4.387 | 0.000000 |
| Walsang 132kV | 07/01/2020 13:30:00 | 55 | 34875.0 | 4965.0 | 1428.12 | -3536.88 | 10.14 | 0.00 | -3.401 | 0.000000 |
| Walsang 132kV | 07/01/2020 13:45:00 | 56 | 34875.0 | 5120.0 | 1662.5 | -3457.5 | 9.91 | 0.00 | -5.044 | 0.000000 |
| Walsang 132kV | 07/01/2020 14:00:00 | 57 | 34875.0 | 5090.0 | 1606.25 | -3483.75 | 9.99 | 0.00 | 4.215 | 0.000000 |
| Walsang 132kV | 07/01/2020 14:15:00 | 58 | 34875.0 | 5087.5 | 1450.0 | -3637.5 | 10.43 | 0.00 | 9.552 | 0.000000 |
| Walsang 132kV | 07/01/2020 14:30:00 | 59 | 34875.0 | 5202.5 | 1878.12 | -3324.38 | 9.53 | 0.00 | 6.358 | 0.000000 |
| Walsang 132kV | 07/01/2020 14:45:00 | 60 | 34875.0 | 5150.0 | 2100.0 | -3050.0 | 8.75 | 0.00 | 2.744 | 0.000000 |
| Walsang 132kV | 07/01/2020 15:00:00 | 61 | 34875.0 | 5097.5 | 2075.0 | -3022.5 | 8.67 | 0.00 | -3.073 | 0.000000 |
| Walsang 132kV | 07/01/2020 15:15:00 | 62 | 34875.0 | 5077.5 | 1809.38 | -3268.12 | 9.37 | 0.00 | -4.058 | 0.000000 |
| Walsang 132kV | 07/01/2020 15:30:00 | 63 | 34875.0 | 5080.0 | 1521.88 | -3558.12 | 10.2 | 0.00 | -4.831 | 0.000000 |
| Walsang 132kV | 07/01/2020 15:45:00 | 64 | 34875.0 | 5090.0 | 1190.62 | -3899.38 | 11.18 | 0.00 | -5.372 | 0.000000 |
| Walsang 132kV | 07/01/2020 16:00:00 | 65 | 34875.0 | 5105.0 | 1393.75 | -3711.25 | 10.64 | 0.00 | 2.196 | 0.000000 |
| Walsang 132kV | 07/01/2020 16:15:00 | 66 | 34875.0 | 5057.5 | 1406.25 | -3651.25 | 10.47 | 0.00 | -3.401 | 0.000000 |
| Walsang 132kV | 07/01/2020 16:30:00 | 67 | 34875.0 | 5022.5 | 1731.25 | -3291.25 | 9.44 | 0.00 | 4.738 | 0.000000 |
| Walsang 132kV | 07/01/2020 16:45:00 | 68 | 34875.0 | 4965.0 | 1709.38 | -3255.62 | 9.34 | 0.00 | 7.343 | 0.000000 |
| Walsang 132kV | 07/01/2020 17:00:00 | 69 | 34875.0 | 5120.0 | 1353.12 | -3766.88 | 10.8 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walsang 132kV | 07/01/2020 17:15:00 | 70 | 34875.0 | 5090.0 | 1131.25 | -3958.75 | 11.35 | 0.00 | 2.744 | 658.522727 |
| Walsang 132kV | 07/01/2020 17:30:00 | 71 | 34875.0 | 5087.5 | 1200.0 | -3887.5 | 11.15 | 0.00 | 3.401 | 256.689438 |
| Walsang 132kV | 07/01/2020 17:45:00 | 72 | 34875.0 | 5202.5 | 1031.25 | -4171.25 | 11.96 | 0.00 | -2.745 | 0.000000 |
| Walsang 132kV | 07/01/2020 18:00:00 | 73 | 34875.0 | 5150.0 | 762.5 | -4387.5 | 12.58 | 0.00 | -3.073 | 0.000000 |
| Walsang 132kV | 07/01/2020 18:15:00 | 74 | 34875.0 | 5097.5 | 921.88 | -4175.62 | 11.97 | 0.00 | -5.372 | 0.000000 |
| Walsang 132kV | 07/01/2020 18:30:00 | 75 | 34875.0 | 5077.5 | 1153.12 | -3924.38 | 11.25 | 0.00 | 3.401 | 0.000000 |
| Walsang 132kV | 07/01/2020 18:45:00 | 76 | 34875.0 | 5080.0 | 1850.0 | -3230.0 | 9.26 | 0.00 | -3.401 | 0.000000 |
| Walsang 132kV | 07/01/2020 19:00:00 | 77 | 34875.0 | 5090.0 | 2440.62 | -2649.38 | 7.6 | 0.00 | -3.730 | 0.000000 |
| Walsang 132kV | 07/01/2020 19:15:00 | 78 | 34875.0 | 5105.0 | 2196.88 | -2908.12 | 8.34 | 0.00 | -4.715 | 0.000000 |
| Walsang 132kV | 07/01/2020 19:30:00 | 79 | 34875.0 | 5057.5 | 1450.0 | -3607.5 | 10.34 | 0.00 | -4.058 | 0.000000 |
| Walsang 132kV | 07/01/2020 19:45:00 | 80 | 34875.0 | 5022.5 | 1021.88 | -4000.62 | 11.47 | 0.00 | -2.210 | 0.000000 |
| Walsang 132kV | 07/01/2020 20:00:00 | 81 | 34875.0 | 4965.0 | 1078.12 | -3886.88 | 11.15 | 0.00 | -2.348 | 0.000000 |
| Walsang 132kV | 07/01/2020 20:15:00 | 82 | 34875.0 | 5120.0 | 1406.25 | -3713.75 | 10.65 | 0.00 | 4.387 | 5795.871256 |
| Walsang 132kV | 07/01/2020 20:30:00 | 83 | 34875.0 | 5090.0 | 1887.5 | -3202.5 | 9.18 | 0.00 | 3.816 | 6535.306622 |
| Walsang 132kV | 07/01/2020 20:45:00 | 84 | 34875.0 | 5080.0 | 2840.62 | -2239.38 | 6.42 | 0.00 | 3.401 | 1100.288068 |
| Walsang 132kV | 07/01/2020 21:00:00 | 85 | 34875.0 | 5150.0 | 4503.12 | -646.88 | 1.85 | 0.00 | -4.058 | 0.000000 |
| Walsang 132kV | 07/01/2020 21:15:00 | 86 | 34875.0 | 5085.0 | 5587.5 | 502.5 | 1.44 | 0.00 | 1.647 | 0.000000 |
| Walsang 132kV | 07/01/2020 21:30:00 | 87 | 34875.0 | 4985.0 | 6146.88 | 1161.88 | 3.33 | 0.00 | 2.196 | 0.000000 |
| Walsang 132kV | 07/01/2020 21:45:00 | 88 | 34875.0 | 3050.0 | 6415.62 | 3365.62 | 9.65 | 0.00 | -2.196 | 0.000000 |
| Walsang 132kV | 07/01/2020 22:00:00 | 89 | 34875.0 | 2970.0 | 6903.12 | 3933.12 | 11.28 | 0.00 | -3.257 | 0.000000 |
| Walsang 132kV | 07/01/2020 22:15:00 | 90 | 34875.0 | 2970.0 | 6784.38 | 3814.38 | 10.94 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walsang 132kV | 07/01/2020 22:30:00 | 91 | 34875.0 | 4942.5 | 6871.88 | 1929.38 | 5.53 | 0.00 | -1.098 | 0.000000 |
| Walsang 132kV | 07/01/2020 22:45:00 | 92 | 34875.0 | 4887.5 | 7200.0 | 2312.5 | 6.63 | 0.00 | -1.647 | 0.000000 |
| Walsang 132kV | 07/01/2020 23:00:00 | 93 | 34875.0 | 4942.5 | 7550.0 | 2607.5 | 7.48 | 0.00 | -3.401 | 0.000000 |
| Walsang 132kV | 07/01/2020 23:15:00 | 94 | 34875.0 | 5072.5 | 7634.38 | 2561.88 | 7.35 | 0.00 | 1.647 | 0.000000 |
| Walsang 132kV | 07/01/2020 23:30:00 | 95 | 34875.0 | 5032.5 | 7493.75 | 2461.25 | 7.06 | 0.00 | -2.196 | 0.000000 |
| Walsang 132kV | 07/01/2020 23:45:00 | 96 | 34875.0 | 4960.0 | 5356.25 | 396.25 | 1.14 | 0.00 | -0.549 | 0.000000 |
| Walsang 132kV | 08/01/2020 00:00:00 | 1 | 34875.0 | 6055.0 | 4834.38 | -1220.62 | 3.5 | 0.00 | -2.220 | 0.000000 |
| Walsang 132kV | 08/01/2020 00:15:00 | 2 | 34875.0 | 6002.5 | 5706.25 | -296.25 | 0.85 | 0.00 | -3.101 | 0.000000 |
| Walsang 132kV | 08/01/2020 00:30:00 | 3 | 34875.0 | 5942.5 | 5556.25 | -386.25 | 1.11 | 0.00 | -3.101 | 0.000000 |
| Walsang 132kV | 08/01/2020 00:45:00 | 4 | 34875.0 | 5860.0 | 5328.12 | -531.88 | 1.53 | 0.00 | -2.424 | 0.000000 |
| Walsang 132kV | 08/01/2020 01:00:00 | 5 | 34875.0 | 5967.5 | 6331.25 | 363.75 | 1.04 | 0.00 | -2.170 | 0.000000 |
| Walsang 132kV | 08/01/2020 01:15:00 | 6 | 34875.0 | 6085.0 | 6728.12 | 643.12 | 1.84 | 0.00 | -1.761 | 0.000000 |
| Walsang 132kV | 08/01/2020 01:30:00 | 7 | 34875.0 | 6045.0 | 7062.5 | 1017.5 | 2.92 | 0.00 | -1.665 | 0.000000 |
| Walsang 132kV | 08/01/2020 01:45:00 | 8 | 34875.0 | 6062.5 | 7403.12 | 1340.62 | 3.84 | 0.00 | -1.665 | 0.000000 |
| Walsang 132kV | 08/01/2020 02:00:00 | 9 | 34875.0 | 6060.0 | 7193.75 | 1133.75 | 3.25 | 0.00 | -1.110 | 0.000000 |
| Walsang 132kV | 08/01/2020 02:15:00 | 10 | 34875.0 | 6037.5 | 7806.25 | 1768.75 | 5.07 | 0.00 | -1.347 | 0.000000 |
| Walsang 132kV | 08/01/2020 02:30:00 | 11 | 34875.0 | 6027.5 | 6212.5 | 185.0 | 0.53 | 0.00 | -3.101 | 0.000000 |
| Walsang 132kV | 08/01/2020 02:45:00 | 12 | 34875.0 | 7017.5 | 5200.0 | -1817.5 | 5.21 | 0.00 | -2.220 | 0.000000 |
| Walsang 132kV | 08/01/2020 03:00:00 | 13 | 34875.0 | 7025.0 | 7193.75 | 168.75 | 0.48 | 0.00 | -3.428 | 0.000000 |
| Walsang 132kV | 08/01/2020 03:15:00 | 14 | 34875.0 | 7032.5 | 8234.38 | 1201.88 | 3.45 | 0.00 | -2.220 | 0.000000 |
| Walsang 132kV | 08/01/2020 03:30:00 | 15 | 34875.0 | 7002.5 | 8075.0 | 1072.5 | 3.08 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walsang 132kV | 08/01/2020 03:45:00 | 16 | 34875.0 | 6942.5 | 8731.25 | 1788.75 | 5.13 | 0.00 | -2.775 | 0.000000 |
| Walsang 132kV | 08/01/2020 04:00:00 | 17 | 34875.0 | 6860.0 | 7850.0 | 990.0 | 2.84 | 0.00 | -3.101 | 0.000000 |
| Walsang 132kV | 08/01/2020 04:15:00 | 18 | 34875.0 | 7080.0 | 7600.0 | 520.0 | 1.49 | 0.00 | -1.665 | 0.000000 |
| Walsang 132kV | 08/01/2020 04:30:00 | 19 | 34875.0 | 7037.5 | 6840.62 | -196.88 | 0.56 | 0.00 | -2.220 | 0.000000 |
| Walsang 132kV | 08/01/2020 04:45:00 | 20 | 34875.0 | 7010.0 | 5146.88 | -1863.12 | 5.34 | 0.00 | -2.775 | 0.000000 |
| Walsang 132kV | 08/01/2020 05:00:00 | 21 | 34875.0 | 6995.0 | 3493.75 | -3501.25 | 10.04 | 0.00 | -1.110 | 0.000000 |
| Walsang 132kV | 08/01/2020 05:15:00 | 22 | 34875.0 | 6925.0 | 1871.88 | -5053.12 | 14.49 | 0.00 | 2.775 | 243.500034 |
| Walsang 132kV | 08/01/2020 05:30:00 | 23 | 34875.0 | 7080.0 | 1450.0 | -5630.0 | 16.14 | 199.38 | -3.428 | 0.000000 |
| Walsang 132kV | 08/01/2020 05:45:00 | 24 | 34875.0 | 6532.5 | 1259.38 | -5273.12 | 15.12 | 20.94 | -2.775 | 0.000000 |
| Walsang 132kV | 08/01/2020 06:00:00 | 25 | 34875.0 | 6530.0 | 1437.5 | -5092.5 | 14.6 | 0.00 | -2.220 | 0.000000 |
| Walsang 132kV | 08/01/2020 06:15:00 | 26 | 34875.0 | 6557.5 | 1118.75 | -5438.75 | 15.59 | 103.75 | 2.220 | 1113.556486 |
| Walsang 132kV | 08/01/2020 06:30:00 | 27 | 34875.0 | 6535.0 | 806.25 | -5728.75 | 16.43 | 248.75 | 5.387 | 10311.534140 |
| Walsang 132kV | 08/01/2020 06:45:00 | 28 | 34875.0 | 6505.0 | 1468.75 | -5036.25 | 14.44 | 0.00 | -4.734 | 0.000000 |
| Walsang 132kV | 08/01/2020 07:00:00 | 29 | 34875.0 | 4715.0 | 1937.5 | -2777.5 | 7.96 | 0.00 | -4.407 | 0.000000 |
| Walsang 132kV | 08/01/2020 07:15:00 | 30 | 34875.0 | 4662.5 | 2009.38 | -2653.12 | 7.61 | 0.00 | 5.061 | 4676.345731 |
| Walsang 132kV | 08/01/2020 07:30:00 | 31 | 34875.0 | 4830.0 | 1837.5 | -2992.5 | 8.58 | 0.00 | 5.714 | 5046.851877 |
| Walsang 132kV | 08/01/2020 07:45:00 | 32 | 34875.0 | 4787.5 | 1609.38 | -3178.12 | 9.11 | 0.00 | 5.061 | 2107.202827 |
| Walsang 132kV | 08/01/2020 08:00:00 | 33 | 34875.0 | 4760.0 | 1725.0 | -3035.0 | 8.7 | 0.00 | 2.775 | 0.000000 |
| Walsang 132kV | 08/01/2020 08:15:00 | 34 | 34875.0 | 4745.0 | 1603.12 | -3141.88 | 9.01 | 0.00 | 2.775 | 0.000000 |
| Walsang 132kV | 08/01/2020 08:30:00 | 35 | 34875.0 | 4790.0 | 943.75 | -3846.25 | 11.03 | 0.00 | 5.387 | 0.000000 |
| Walsang 132kV | 08/01/2020 08:45:00 | 36 | 34875.0 | 4785.0 | 275.0 | -4510.0 | 12.93 | 0.00 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walsang 132kV | 08/01/2020 09:00:00 | 37 | 34875.0 | 4770.0 | 81.25 | -4688.75 | 13.44 | 0.00 | 7.673 | 0.000000 |
| Walsang 132kV | 08/01/2020 09:15:00 | 38 | 34875.0 | 4765.0 | 75.0 | -4690.0 | 13.45 | 0.00 | 7.673 | 0.000000 |
| Walsang 132kV | 08/01/2020 09:30:00 | 39 | 34875.0 | 4785.0 | 31.25 | -4753.75 | 13.63 | 0.00 | 3.101 | 0.000000 |
| Walsang 132kV | 08/01/2020 09:45:00 | 40 | 34875.0 | 4780.0 | 12.5 | -4767.5 | 13.67 | 0.00 | -3.101 | 0.000000 |
| Walsang 132kV | 08/01/2020 10:00:00 | 41 | 34875.0 | 4725.0 | 0.0 | -4725.0 | 13.55 | 0.00 | -3.101 | 0.000000 |
| Walsang 132kV | 08/01/2020 10:15:00 | 42 | 34875.0 | 4660.0 | 25.0 | -4635.0 | 13.29 | 0.00 | -3.101 | 0.000000 |
| Walsang 132kV | 08/01/2020 10:30:00 | 43 | 34875.0 | 4367.5 | 15.62 | -4351.88 | 12.48 | 0.00 | -1.665 | 0.000000 |
| Walsang 132kV | 08/01/2020 10:45:00 | 44 | 34875.0 | 4542.5 | 3.12 | -4539.38 | 13.02 | 0.00 | 0.000 | 0.000000 |
| Walsang 132kV | 08/01/2020 11:00:00 | 45 | 34875.0 | 4955.0 | 59.38 | -4895.62 | 14.04 | 0.00 | -1.486 | 0.000000 |
| Walsang 132kV | 08/01/2020 11:15:00 | 46 | 34875.0 | 4927.5 | 365.62 | -4561.88 | 13.08 | 0.00 | -1.305 | 0.000000 |
| Walsang 132kV | 08/01/2020 11:30:00 | 47 | 34875.0 | 4825.0 | 528.12 | -4296.88 | 12.32 | 0.00 | -2.425 | 0.000000 |
| Walsang 132kV | 08/01/2020 11:45:00 | 48 | 34875.0 | 4700.0 | 490.62 | -4209.38 | 12.07 | 0.00 | -2.775 | 0.000000 |
| Walsang 132kV | 08/01/2020 12:00:00 | 49 | 34875.0 | 5035.0 | 534.38 | -4500.62 | 12.91 | 0.00 | -2.083 | 0.000000 |
| Walsang 132kV | 08/01/2020 12:15:00 | 50 | 34875.0 | 5025.0 | 890.62 | -4134.38 | 11.85 | 0.00 | -3.242 | 0.000000 |
| Walsang 132kV | 08/01/2020 12:30:00 | 51 | 34875.0 | 4995.0 | 1150.0 | -3845.0 | 11.03 | 0.00 | -1.330 | 0.000000 |
| Walsang 132kV | 08/01/2020 12:45:00 | 52 | 34875.0 | 4972.5 | 1187.5 | -3785.0 | 10.85 | 0.00 | -0.830 | 0.000000 |
| Walsang 132kV | 08/01/2020 13:00:00 | 53 | 34875.0 | 4892.5 | 1090.62 | -3801.88 | 10.9 | 0.00 | 2.775 | 0.000000 |
| Walsang 132kV | 08/01/2020 13:15:00 | 54 | 34875.0 | 5017.5 | 1303.12 | -3714.38 | 10.65 | 0.00 | 0.000 | 0.000000 |
| Walsang 132kV | 08/01/2020 13:30:00 | 55 | 34875.0 | 4927.5 | 1512.5 | -3415.0 | 9.79 | 0.00 | -1.012 | 0.000000 |
| Walsang 132kV | 08/01/2020 13:45:00 | 56 | 34875.0 | 5085.0 | 1509.38 | -3575.62 | 10.25 | 0.00 | -1.087 | 0.000000 |
| Walsang 132kV | 08/01/2020 14:00:00 | 57 | 34875.0 | 5062.5 | 1475.0 | -3587.5 | 10.29 | 0.00 | -3.101 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walsang 132kV | 08/01/2020 14:15:00 | 58 | 34875.0 | 5042.5 | 1403.12 | -3639.38 | 10.44 | 0.00 | -4.081 | 0.000000 |
| Walsang 132kV | 08/01/2020 14:30:00 | 59 | 34875.0 | 5057.5 | 1878.12 | -3179.38 | 9.12 | 0.00 | -2.996 | 0.000000 |
| Walsang 132kV | 08/01/2020 14:45:00 | 60 | 34875.0 | 5030.0 | 1715.62 | -3314.38 | 9.5 | 0.00 | -3.101 | 0.000000 |
| Walsang 132kV | 08/01/2020 15:00:00 | 61 | 34875.0 | 5025.0 | 1593.75 | -3431.25 | 9.84 | 0.00 | -1.879 | 0.000000 |
| Walsang 132kV | 08/01/2020 15:15:00 | 62 | 34875.0 | 5027.5 | 1643.75 | -3383.75 | 9.7 | 0.00 | -4.081 | 0.000000 |
| Walsang 132kV | 08/01/2020 15:30:00 | 63 | 34875.0 | 5022.5 | 1793.75 | -3228.75 | 9.26 | 0.00 | 4.938 | 0.000000 |
| Walsang 132kV | 08/01/2020 15:45:00 | 64 | 34875.0 | 5005.0 | 1784.38 | -3220.62 | 9.23 | 0.00 | 4.719 | 0.000000 |
| Walsang 132kV | 08/01/2020 16:00:00 | 65 | 34875.0 | 4970.0 | 1812.5 | -3157.5 | 9.05 | 0.00 | 0.555 | 0.000000 |
| Walsang 132kV | 08/01/2020 16:15:00 | 66 | 34875.0 | 4892.5 | 1843.75 | -3048.75 | 8.74 | 0.00 | -4.081 | 0.000000 |
| Walsang 132kV | 08/01/2020 16:30:00 | 67 | 34875.0 | 5017.5 | 1806.25 | -3211.25 | 9.21 | 0.00 | -3.754 | 0.000000 |
| Walsang 132kV | 08/01/2020 16:45:00 | 68 | 34875.0 | 4927.5 | 1881.25 | -3046.25 | 8.73 | 0.00 | -8.000 | 0.000000 |
| Walsang 132kV | 08/01/2020 17:00:00 | 69 | 34875.0 | 5085.0 | 1390.62 | -3694.38 | 10.59 | 0.00 | 0.000 | 0.000000 |
| Walsang 132kV | 08/01/2020 17:15:00 | 70 | 34875.0 | 5062.5 | 1146.88 | -3915.62 | 11.23 | 0.00 | 4.081 | 751.115304 |
| Walsang 132kV | 08/01/2020 17:30:00 | 71 | 34875.0 | 5042.5 | 581.25 | -4461.25 | 12.79 | 0.00 | -5.387 | 0.000000 |
| Walsang 132kV | 08/01/2020 17:45:00 | 72 | 34875.0 | 5057.5 | 412.5 | -4645.0 | 13.32 | 0.00 | -3.101 | 0.000000 |
| Walsang 132kV | 08/01/2020 18:00:00 | 73 | 34875.0 | 5030.0 | 415.62 | -4614.38 | 13.23 | 0.00 | -2.775 | 0.000000 |
| Walsang 132kV | 08/01/2020 18:15:00 | 74 | 34875.0 | 5025.0 | 528.12 | -4496.88 | 12.89 | 0.00 | -3.101 | 0.000000 |
| Walsang 132kV | 08/01/2020 18:30:00 | 75 | 34875.0 | 5027.5 | 503.12 | -4524.38 | 12.97 | 0.00 | -2.220 | 0.000000 |
| Walsang 132kV | 08/01/2020 18:45:00 | 76 | 34875.0 | 5022.5 | 387.5 | -4635.0 | 13.29 | 0.00 | 2.220 | 3653.652504 |
| Walsang 132kV | 08/01/2020 19:00:00 | 77 | 34875.0 | 5005.0 | 453.12 | -4551.88 | 13.05 | 0.00 | 1.110 | 0.000000 |
| Walsang 132kV | 08/01/2020 19:15:00 | 78 | 34875.0 | 4970.0 | 343.75 | -4626.25 | 13.27 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walsang 132kV | 08/01/2020 19:30:00 | 79 | 34875.0 | 4892.5 | 481.25 | -4411.25 | 12.65 | 0.00 | -2.220 | 0.000000 |
| Walsang 132kV | 08/01/2020 19:45:00 | 80 | 34875.0 | 5017.5 | 609.38 | -4408.12 | 12.64 | 0.00 | -0.555 | 0.000000 |
| Walsang 132kV | 08/01/2020 20:00:00 | 81 | 34875.0 | 4927.5 | 943.75 | -3983.75 | 11.42 | 0.00 | 2.775 | 0.000000 |
| Walsang 132kV | 08/01/2020 20:15:00 | 82 | 34875.0 | 5085.0 | 1756.25 | -3328.75 | 9.54 | 0.00 | 3.101 | 5565.941155 |
| Walsang 132kV | 08/01/2020 20:30:00 | 83 | 34875.0 | 5062.5 | 3471.88 | -1590.62 | 4.56 | 0.00 | 4.408 | 3603.086360 |
| Walsang 132kV | 08/01/2020 20:45:00 | 84 | 34875.0 | 5035.0 | 4325.0 | -710.0 | 2.04 | 0.00 | 3.101 | 464.623935 |
| Walsang 132kV | 08/01/2020 21:00:00 | 85 | 34875.0 | 5005.0 | 5168.75 | 163.75 | 0.47 | 0.00 | 3.101 | 0.000000 |
| Walsang 132kV | 08/01/2020 21:15:00 | 86 | 34875.0 | 4965.0 | 5709.38 | 744.38 | 2.13 | 0.00 | -0.555 | 0.000000 |
| Walsang 132kV | 08/01/2020 21:30:00 | 87 | 34875.0 | 4912.5 | 5703.12 | 790.62 | 2.27 | 0.00 | -1.110 | 0.000000 |
| Walsang 132kV | 08/01/2020 21:45:00 | 88 | 34875.0 | 5080.0 | 5531.25 | 451.25 | 1.29 | 0.00 | -1.110 | 0.000000 |
| Walsang 132kV | 08/01/2020 22:00:00 | 89 | 34875.0 | 5037.5 | 5862.5 | 825.0 | 2.37 | 0.00 | -2.489 | 0.000000 |
| Walsang 132kV | 08/01/2020 22:15:00 | 90 | 34875.0 | 5010.0 | 5484.38 | 474.38 | 1.36 | 0.00 | -2.775 | 0.000000 |
| Walsang 132kV | 08/01/2020 22:30:00 | 91 | 34875.0 | 6575.0 | 4662.5 | -1912.5 | 5.48 | 0.00 | -2.223 | 0.000000 |
| Walsang 132kV | 08/01/2020 22:45:00 | 92 | 34875.0 | 6775.0 | 4800.0 | -1975.0 | 5.66 | 0.00 | 1.110 | 0.000000 |
| Walsang 132kV | 08/01/2020 23:00:00 | 93 | 34875.0 | 7075.0 | 5468.75 | -1606.25 | 4.61 | 0.00 | 1.110 | 171.484858 |
| Walsang 132kV | 08/01/2020 23:15:00 | 94 | 34875.0 | 7190.0 | 3828.12 | -3361.88 | 9.64 | 0.00 | 1.110 | 0.000000 |
| Walsang 132kV | 08/01/2020 23:30:00 | 95 | 34875.0 | 7302.5 | 2284.38 | -5018.12 | 14.39 | 0.00 | 2.775 | 45.617317 |
| Walsang 132kV | 08/01/2020 23:45:00 | 96 | 34875.0 | 7575.0 | 1937.5 | -5637.5 | 16.16 | 203.13 | 0.000 | 0.000000 |
| Walsang 132kV | 09/01/2020 00:00:00 | 1 | 34875.0 | 5032.5 | 1725.0 | -3307.5 | 9.48 | 0.00 | -0.576 | 0.000000 |
| Walsang 132kV | 09/01/2020 00:15:00 | 2 | 34875.0 | 5047.5 | 1631.25 | -3416.25 | 9.8 | 0.00 | -1.727 | 0.000000 |
| Walsang 132kV | 09/01/2020 00:30:00 | 3 | 34875.0 | 5037.5 | 2118.75 | -2918.75 | 8.37 | 0.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walsang 132kV | 09/01/2020 00:45:00 | 4 | 34875.0 | 5032.5 | 2250.0 | -2782.5 | 7.98 | 0.00 | -2.879 | 0.000000 |
| Walsang 132kV | 09/01/2020 01:00:00 | 5 | 34875.0 | 4997.5 | 2325.0 | -2672.5 | 7.66 | 0.00 | -3.519 | 0.000000 |
| Walsang 132kV | 09/01/2020 01:15:00 | 6 | 34875.0 | 4962.5 | 2615.62 | -2346.88 | 6.73 | 0.00 | -3.519 | 0.000000 |
| Walsang 132kV | 09/01/2020 01:30:00 | 7 | 34875.0 | 4922.5 | 2850.0 | -2072.5 | 5.94 | 0.00 | -3.199 | 0.000000 |
| Walsang 132kV | 09/01/2020 01:45:00 | 8 | 34875.0 | 5077.5 | 1931.25 | -3146.25 | 9.02 | 0.00 | 3.519 | 764.499520 |
| Walsang 132kV | 09/01/2020 02:00:00 | 9 | 34875.0 | 5010.0 | 1112.5 | -3897.5 | 11.18 | 0.00 | 3.519 | 4290.788716 |
| Walsang 132kV | 09/01/2020 02:15:00 | 10 | 34875.0 | 4977.5 | 412.5 | -4565.0 | 13.09 | 0.00 | 2.879 | 2204.152308 |
| Walsang 132kV | 09/01/2020 02:30:00 | 11 | 34875.0 | 4945.0 | 100.0 | -4845.0 | 13.89 | 0.00 | 3.199 | 3365.759377 |
| Walsang 132kV | 09/01/2020 02:45:00 | 12 | 34875.0 | 5082.5 | 268.75 | -4813.75 | 13.8 | 0.00 | 1.152 | 0.000000 |
| Walsang 132kV | 09/01/2020 03:00:00 | 13 | 34875.0 | 5040.0 | 900.0 | -4140.0 | 11.87 | 0.00 | -2.879 | 0.000000 |
| Walsang 132kV | 09/01/2020 03:15:00 | 14 | 34875.0 | 5032.5 | 1303.12 | -3729.38 | 10.69 | 0.00 | -3.839 | 0.000000 |
| Walsang 132kV | 09/01/2020 03:30:00 | 15 | 34875.0 | 5030.0 | 1459.38 | -3570.62 | 10.24 | 0.00 | 3.199 | 0.000000 |
| Walsang 132kV | 09/01/2020 03:45:00 | 16 | 34875.0 | 5057.5 | 2512.5 | -2545.0 | 7.3 | 0.00 | 0.000 | 0.000000 |
| Walsang 132kV | 09/01/2020 04:00:00 | 17 | 34875.0 | 5035.0 | 3821.88 | -1213.12 | 3.48 | 0.00 | 1.727 | 0.000000 |
| Walsang 132kV | 09/01/2020 04:15:00 | 18 | 34875.0 | 5005.0 | 3687.5 | -1317.5 | 3.78 | 0.00 | 1.727 | 0.000000 |
| Walsang 132kV | 09/01/2020 04:30:00 | 19 | 34875.0 | 4965.0 | 3784.38 | -1180.62 | 3.39 | 0.00 | 1.727 | 0.000000 |
| Walsang 132kV | 09/01/2020 04:45:00 | 20 | 34875.0 | 4912.5 | 4796.88 | -115.62 | 0.33 | 0.00 | 2.879 | 99.642499 |
| Walsang 132kV | 09/01/2020 05:00:00 | 21 | 34875.0 | 5080.0 | 6537.5 | 1457.5 | 4.18 | 0.00 | 3.839 | 0.000000 |
| Walsang 132kV | 09/01/2020 05:15:00 | 22 | 34875.0 | 5037.5 | 6909.38 | 1871.88 | 5.37 | 0.00 | 5.119 | 0.000000 |
| Walsang 132kV | 09/01/2020 05:30:00 | 23 | 34875.0 | 5002.5 | 5875.0 | 872.5 | 2.5 | 0.00 | 4.064 | 0.000000 |
| Walsang 132kV | 09/01/2020 05:45:00 | 24 | 34875.0 | 4942.5 | 7009.38 | 2066.88 | 5.93 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walsang 132kV | 09/01/2020 06:00:00 | 25 | 34875.0 | 4860.0 | 7140.62 | 2280.62 | 6.54 | 0.00 | -2.303 | 0.000000 |
| Walsang 132kV | 09/01/2020 06:15:00 | 26 | 34875.0 | 4967.5 | 6087.5 | 1120.0 | 3.21 | 0.00 | 2.303 | 0.000000 |
| Walsang 132kV | 09/01/2020 06:30:00 | 27 | 34875.0 | 5085.0 | 5590.62 | 505.62 | 1.45 | 0.00 | -3.839 | 0.000000 |
| Walsang 132kV | 09/01/2020 06:45:00 | 28 | 34875.0 | 5045.0 | 4365.62 | -679.38 | 1.95 | 0.00 | -2.879 | 0.000000 |
| Walsang 132kV | 09/01/2020 07:00:00 | 29 | 34875.0 | 4977.5 | 3153.12 | -1824.38 | 5.23 | 0.00 | -2.879 | 0.000000 |
| Walsang 132kV | 09/01/2020 07:15:00 | 30 | 34875.0 | 4892.5 | 2043.75 | -2848.75 | 8.17 | 0.00 | 6.400 | 1417.272319 |
| Walsang 132kV | 09/01/2020 07:30:00 | 31 | 34875.0 | 5017.5 | 1571.88 | -3445.62 | 9.88 | 0.00 | 1.172 | 0.000000 |
| Walsang 132kV | 09/01/2020 07:45:00 | 32 | 34875.0 | 4927.5 | 1490.62 | -3436.88 | 9.85 | 0.00 | 0.576 | 0.000000 |
| Walsang 132kV | 09/01/2020 08:00:00 | 33 | 34875.0 | 5085.0 | 1634.38 | -3450.62 | 9.89 | 0.00 | -0.576 | 0.000000 |
| Walsang 132kV | 09/01/2020 08:15:00 | 34 | 34875.0 | 5062.5 | 1731.25 | -3331.25 | 9.55 | 0.00 | -1.152 | 0.000000 |
| Walsang 132kV | 09/01/2020 08:30:00 | 35 | 34875.0 | 5042.5 | 1509.38 | -3533.12 | 10.13 | 0.00 | 0.576 | 0.000000 |
| Walsang 132kV | 09/01/2020 08:45:00 | 36 | 34875.0 | 5027.5 | 1465.62 | -3561.88 | 10.21 | 0.00 | 0.000 | 0.000000 |
| Walsang 132kV | 09/01/2020 09:00:00 | 37 | 34875.0 | 5017.5 | 1875.0 | -3142.5 | 9.01 | 0.00 | 1.152 | 0.000000 |
| Walsang 132kV | 09/01/2020 09:15:00 | 38 | 34875.0 | 5025.0 | 2412.5 | -2612.5 | 7.49 | 0.00 | 1.727 | 0.000000 |
| Walsang 132kV | 09/01/2020 09:30:00 | 39 | 34875.0 | 5032.5 | 2403.12 | -2629.38 | 7.54 | 0.00 | -3.839 | 0.000000 |
| Walsang 132kV | 09/01/2020 09:45:00 | 40 | 34875.0 | 5002.5 | 2243.75 | -2758.75 | 7.91 | 0.00 | -1.152 | 0.000000 |
| Walsang 132kV | 09/01/2020 10:00:00 | 41 | 34875.0 | 4942.5 | 2000.0 | -2942.5 | 8.44 | 0.00 | 0.000 | 0.000000 |
| Walsang 132kV | 09/01/2020 10:15:00 | 42 | 34875.0 | 4860.0 | 1881.25 | -2978.75 | 8.54 | 0.00 | 1.727 | 0.000000 |
| Walsang 132kV | 09/01/2020 10:30:00 | 43 | 34875.0 | 4967.5 | 1418.75 | -3548.75 | 10.18 | 0.00 | 2.303 | 0.000000 |
| Walsang 132kV | 09/01/2020 10:45:00 | 44 | 34875.0 | 5085.0 | 1103.12 | -3981.88 | 11.42 | 0.00 | -1.144 | 0.000000 |
| Walsang 132kV | 09/01/2020 11:00:00 | 45 | 34875.0 | 5045.0 | 800.0 | -4245.0 | 12.17 | 0.00 | -4.479 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walsang 132kV | 09/01/2020 11:15:00 | 46 | 34875.0 | 5062.5 | 478.12 | -4584.38 | 13.15 | 0.00 | -3.519 | 0.000000 |
| Walsang 132kV | 09/01/2020 11:30:00 | 47 | 34875.0 | 5060.0 | 325.0 | -4735.0 | 13.58 | 0.00 | -2.303 | 0.000000 |
| Walsang 132kV | 09/01/2020 11:45:00 | 48 | 34875.0 | 5037.5 | 303.12 | -4734.38 | 13.58 | 0.00 | -0.576 | 0.000000 |
| Walsang 132kV | 09/01/2020 12:00:00 | 49 | 34875.0 | 5027.5 | 175.0 | -4852.5 | 13.91 | 0.00 | 0.000 | 0.000000 |
| Walsang 132kV | 09/01/2020 12:15:00 | 50 | 34875.0 | 5022.5 | 21.88 | -5000.62 | 14.34 | 0.00 | 3.839 | 0.000000 |
| Walsang 132kV | 09/01/2020 12:30:00 | 51 | 34875.0 | 5005.0 | 3.12 | -5001.88 | 14.34 | 0.00 | 3.199 | 0.000000 |
| Walsang 132kV | 09/01/2020 12:45:00 | 52 | 34875.0 | 4970.0 | 0.0 | -4970.0 | 14.25 | 0.00 | 3.199 | 0.000000 |
| Walsang 132kV | 09/01/2020 13:00:00 | 53 | 34875.0 | 4892.5 | 0.0 | -4892.5 | 14.03 | 0.00 | -1.152 | 0.000000 |
| Walsang 132kV | 09/01/2020 13:15:00 | 54 | 34875.0 | 5017.5 | 0.0 | -5017.5 | 14.39 | 0.00 | -1.152 | 0.000000 |
| Walsang 132kV | 09/01/2020 13:30:00 | 55 | 34875.0 | 4927.5 | 0.0 | -4927.5 | 14.13 | 0.00 | 1.727 | 0.000000 |
| Walsang 132kV | 09/01/2020 13:45:00 | 56 | 34875.0 | 5085.0 | 0.0 | -5085.0 | 14.58 | 0.00 | 3.199 | 0.000000 |
| Walsang 132kV | 09/01/2020 14:00:00 | 57 | 34875.0 | 5062.5 | 0.0 | -5062.5 | 14.52 | 0.00 | 4.345 | 0.000000 |
| Walsang 132kV | 09/01/2020 14:15:00 | 58 | 34875.0 | 5035.0 | 0.0 | -5035.0 | 14.44 | 0.00 | 3.941 | 0.000000 |
| Walsang 132kV | 09/01/2020 14:30:00 | 59 | 34875.0 | 5005.0 | 12.5 | -4992.5 | 14.32 | 0.00 | 1.152 | 0.000000 |
| Walsang 132kV | 09/01/2020 14:45:00 | 60 | 34875.0 | 4965.0 | 9.38 | -4955.62 | 14.21 | 0.00 | -0.576 | 0.000000 |
| Walsang 132kV | 09/01/2020 15:00:00 | 61 | 34875.0 | 4912.5 | 0.0 | -4912.5 | 14.09 | 0.00 | -1.006 | 0.000000 |
| Walsang 132kV | 09/01/2020 15:15:00 | 62 | 34875.0 | 5080.0 | 0.0 | -5080.0 | 14.57 | 0.00 | 3.199 | 0.000000 |
| Walsang 132kV | 09/01/2020 15:30:00 | 63 | 34875.0 | 5037.5 | 0.0 | -5037.5 | 14.44 | 0.00 | 2.879 | 0.000000 |
| Walsang 132kV | 09/01/2020 15:45:00 | 64 | 34875.0 | 5010.0 | 3.12 | -5006.88 | 14.36 | 0.00 | 3.839 | 0.000000 |
| Walsang 132kV | 09/01/2020 16:00:00 | 65 | 34875.0 | 4942.5 | 0.0 | -4942.5 | 14.17 | 0.00 | 1.727 | 0.000000 |
| Walsang 132kV | 09/01/2020 16:15:00 | 66 | 34875.0 | 4860.0 | 0.0 | -4860.0 | 13.94 | 0.00 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walsang 132kV | 09/01/2020 16:30:00 | 67 | 34875.0 | 4967.5 | 0.0 | -4967.5 | 14.24 | 0.00 | -4.159 | 0.000000 |
| Walsang 132kV | 09/01/2020 16:45:00 | 68 | 34875.0 | 5085.0 | 9.38 | -5075.62 | 14.55 | 0.00 | 3.839 | 0.000000 |
| Walsang 132kV | 09/01/2020 17:00:00 | 69 | 34875.0 | 5045.0 | 37.5 | -5007.5 | 14.36 | 0.00 | 1.727 | 0.000000 |
| Walsang 132kV | 09/01/2020 17:15:00 | 70 | 34875.0 | 5062.5 | 62.5 | -5000.0 | 14.34 | 0.00 | 3.839 | 1718.578843 |
| Walsang 132kV | 09/01/2020 17:30:00 | 71 | 34875.0 | 5030.0 | 106.25 | -4923.75 | 14.12 | 0.00 | -2.879 | 0.000000 |
| Walsang 132kV | 09/01/2020 17:45:00 | 72 | 34875.0 | 5025.0 | 259.38 | -4765.62 | 13.66 | 0.00 | -4.146 | 0.000000 |
| Walsang 132kV | 09/01/2020 18:00:00 | 73 | 34875.0 | 5027.5 | 618.75 | -4408.75 | 12.64 | 0.00 | -3.349 | 0.000000 |
| Walsang 132kV | 09/01/2020 18:15:00 | 74 | 34875.0 | 5022.5 | 900.0 | -4122.5 | 11.82 | 0.00 | -4.563 | 0.000000 |
| Walsang 132kV | 09/01/2020 18:30:00 | 75 | 34875.0 | 5005.0 | 1465.62 | -3539.38 | 10.15 | 0.00 | -3.839 | 0.000000 |
| Walsang 132kV | 09/01/2020 18:45:00 | 76 | 34875.0 | 4970.0 | 2140.62 | -2829.38 | 8.11 | 0.00 | -2.879 | 0.000000 |
| Walsang 132kV | 09/01/2020 19:00:00 | 77 | 34875.0 | 4892.5 | 2637.5 | -2255.0 | 6.47 | 0.00 | -3.199 | 0.000000 |
| Walsang 132kV | 09/01/2020 19:15:00 | 78 | 34875.0 | 5017.5 | 3081.25 | -1936.25 | 5.55 | 0.00 | -1.727 | 0.000000 |
| Walsang 132kV | 09/01/2020 19:30:00 | 79 | 34875.0 | 4927.5 | 3384.38 | -1543.12 | 4.42 | 0.00 | -1.442 | 0.000000 |
| Walsang 132kV | 09/01/2020 19:45:00 | 80 | 34875.0 | 5085.0 | 3506.25 | -1578.75 | 4.53 | 0.00 | -0.286 | 0.000000 |
| Walsang 132kV | 09/01/2020 20:00:00 | 81 | 34875.0 | 5062.5 | 3796.88 | -1265.62 | 3.63 | 0.00 | -1.070 | 0.000000 |
| Walsang 132kV | 09/01/2020 20:15:00 | 82 | 34875.0 | 5042.5 | 3700.0 | -1342.5 | 3.85 | 0.00 | -2.236 | 0.000000 |
| Walsang 132kV | 09/01/2020 20:30:00 | 83 | 34875.0 | 5057.5 | 3512.5 | -1545.0 | 4.43 | 0.00 | -4.799 | 0.000000 |
| Walsang 132kV | 09/01/2020 20:45:00 | 84 | 34875.0 | 5030.0 | 3937.5 | -1092.5 | 3.13 | 0.00 | -1.727 | 0.000000 |
| Walsang 132kV | 09/01/2020 21:00:00 | 85 | 34875.0 | 5025.0 | 4525.0 | -500.0 | 1.43 | 0.00 | -1.727 | 0.000000 |
| Walsang 132kV | 09/01/2020 21:15:00 | 86 | 34875.0 | 5027.5 | 5378.12 | 350.62 | 1.01 | 0.00 | 1.152 | 0.000000 |
| Walsang 132kV | 09/01/2020 21:30:00 | 87 | 34875.0 | 5022.5 | 5746.88 | 724.38 | 2.08 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walsang 132kV | 09/01/2020 21:45:00 | 88 | 34875.0 | 5005.0 | 6043.75 | 1038.75 | 2.98 | 0.00 | -2.303 | 0.000000 |
| Walsang 132kV | 09/01/2020 22:00:00 | 89 | 34875.0 | 4970.0 | 5925.0 | 955.0 | 2.74 | 0.00 | -2.795 | 0.000000 |
| Walsang 132kV | 09/01/2020 22:15:00 | 90 | 34875.0 | 4892.5 | 5821.88 | 929.38 | 2.66 | 0.00 | -3.674 | 0.000000 |
| Walsang 132kV | 09/01/2020 22:30:00 | 91 | 34875.0 | 5017.5 | 5800.0 | 782.5 | 2.24 | 0.00 | -2.303 | 0.000000 |
| Walsang 132kV | 09/01/2020 22:45:00 | 92 | 34875.0 | 4927.5 | 5759.38 | 831.88 | 2.39 | 0.00 | -1.152 | 0.000000 |
| Walsang 132kV | 09/01/2020 23:00:00 | 93 | 34875.0 | 5077.5 | 6071.88 | 994.38 | 2.85 | 0.00 | 0.000 | 0.000000 |
| Walsang 132kV | 09/01/2020 23:15:00 | 94 | 34875.0 | 5010.0 | 6337.5 | 1327.5 | 3.81 | 0.00 | -0.576 | 0.000000 |
| Walsang 132kV | 09/01/2020 23:30:00 | 95 | 34875.0 | 4977.5 | 5984.38 | 1006.88 | 2.89 | 0.00 | -0.576 | 0.000000 |
| Walsang 132kV | 09/01/2020 23:45:00 | 96 | 34875.0 | 4945.0 | 6534.38 | 1589.38 | 4.56 | 0.00 | -0.987 | 0.000000 |
| Walsang 132kV | 10/01/2020 00:00:00 | 1 | 34875.0 | 5032.5 | 6968.75 | 1936.25 | 5.55 | 0.00 | -0.680 | 0.000000 |
| Walsang 132kV | 10/01/2020 00:15:00 | 2 | 34875.0 | 5047.5 | 6375.0 | 1327.5 | 3.81 | 0.00 | -3.326 | 0.000000 |
| Walsang 132kV | 10/01/2020 00:30:00 | 3 | 34875.0 | 5037.5 | 6418.75 | 1381.25 | 3.96 | 0.00 | -2.992 | 0.000000 |
| Walsang 132kV | 10/01/2020 00:45:00 | 4 | 34875.0 | 5032.5 | 6893.75 | 1861.25 | 5.34 | 0.00 | -0.532 | 0.000000 |
| Walsang 132kV | 10/01/2020 01:00:00 | 5 | 34875.0 | 4997.5 | 6765.62 | 1768.12 | 5.07 | 0.00 | -0.713 | 0.000000 |
| Walsang 132kV | 10/01/2020 01:15:00 | 6 | 34875.0 | 8170.0 | 6178.12 | -1991.88 | 5.71 | 0.00 | -0.548 | 0.000000 |
| Walsang 132kV | 10/01/2020 01:30:00 | 7 | 34875.0 | 8170.0 | 6003.12 | -2166.88 | 6.21 | 0.00 | -2.658 | 0.000000 |
| Walsang 132kV | 10/01/2020 01:45:00 | 8 | 34875.0 | 7942.5 | 5696.88 | -2245.62 | 6.44 | 0.00 | 2.127 | 0.000000 |
| Walsang 132kV | 10/01/2020 02:00:00 | 9 | 34875.0 | 7882.5 | 5631.25 | -2251.25 | 6.46 | 0.00 | 5.342 | 4411.031215 |
| Walsang 132kV | 10/01/2020 02:15:00 | 10 | 34875.0 | 7877.5 | 5000.0 | -2877.5 | 8.25 | 0.00 | 1.595 | 0.000000 |
| Walsang 132kV | 10/01/2020 02:30:00 | 11 | 34875.0 | 7845.0 | 3834.38 | -4010.62 | 11.5 | 0.00 | 3.326 | 0.000000 |
| Walsang 132kV | 10/01/2020 02:45:00 | 12 | 34875.0 | 7715.0 | 3490.62 | -4224.38 | 12.11 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walsang 132kV | 10/01/2020 03:00:00 | 13 | 34875.0 | 7402.5 | 3503.12 | -3899.38 | 11.18 | 0.00 | 2.658 | 0.000000 |
| Walsang 132kV | 10/01/2020 03:15:00 | 14 | 34875.0 | 7417.5 | 3225.0 | -4192.5 | 12.02 | 0.00 | 2.127 | 664.774449 |
| Walsang 132kV | 10/01/2020 03:30:00 | 15 | 34875.0 | 7372.5 | 2837.5 | -4535.0 | 13.0 | 0.00 | 2.127 | 852.537792 |
| Walsang 132kV | 10/01/2020 03:45:00 | 16 | 34875.0 | 7227.5 | 3125.0 | -4102.5 | 11.76 | 0.00 | -1.063 | 0.000000 |
| Walsang 132kV | 10/01/2020 04:00:00 | 17 | 34875.0 | 7140.0 | 3228.12 | -3911.88 | 11.22 | 0.00 | 1.595 | 0.000000 |
| Walsang 132kV | 10/01/2020 04:15:00 | 18 | 34875.0 | 6975.0 | 2906.25 | -4068.75 | 11.67 | 0.00 | 3.326 | 2419.437072 |
| Walsang 132kV | 10/01/2020 04:30:00 | 19 | 34875.0 | 5557.5 | 2684.38 | -2873.12 | 8.24 | 0.00 | 3.326 | 0.000000 |
| Walsang 132kV | 10/01/2020 04:45:00 | 20 | 34875.0 | 5522.5 | 2812.5 | -2710.0 | 7.77 | 0.00 | 2.127 | 0.000000 |
| Walsang 132kV | 10/01/2020 05:00:00 | 21 | 34875.0 | 5572.5 | 2825.0 | -2747.5 | 7.88 | 0.00 | 2.992 | 0.000000 |
| Walsang 132kV | 10/01/2020 05:15:00 | 22 | 34875.0 | 5532.5 | 2706.25 | -2826.25 | 8.1 | 0.00 | 1.063 | 0.000000 |
| Walsang 132kV | 10/01/2020 05:30:00 | 23 | 34875.0 | 5295.0 | 2281.25 | -3013.75 | 8.64 | 0.00 | -2.658 | 0.000000 |
| Walsang 132kV | 10/01/2020 05:45:00 | 24 | 34875.0 | 5257.5 | 2209.38 | -3048.12 | 8.74 | 0.00 | 2.127 | 0.000000 |
| Walsang 132kV | 10/01/2020 06:00:00 | 25 | 34875.0 | 4860.0 | 2506.25 | -2353.75 | 6.75 | 0.00 | -2.127 | 0.000000 |
| Walsang 132kV | 10/01/2020 06:15:00 | 26 | 34875.0 | 5360.0 | 2687.5 | -2672.5 | 7.66 | 0.00 | 2.658 | 677.983700 |
| Walsang 132kV | 10/01/2020 06:30:00 | 27 | 34875.0 | 5502.5 | 2625.0 | -2877.5 | 8.25 | 0.00 | -2.992 | 0.000000 |
| Walsang 132kV | 10/01/2020 06:45:00 | 28 | 34875.0 | 5237.5 | 2696.88 | -2540.62 | 7.28 | 0.00 | -3.077 | 0.000000 |
| Walsang 132kV | 10/01/2020 07:00:00 | 29 | 34875.0 | 5227.5 | 2950.0 | -2277.5 | 6.53 | 0.00 | -0.687 | 0.000000 |
| Walsang 132kV | 10/01/2020 07:15:00 | 30 | 34875.0 | 5202.5 | 2862.5 | -2340.0 | 6.71 | 0.00 | -2.658 | 0.000000 |
| Walsang 132kV | 10/01/2020 07:30:00 | 31 | 34875.0 | 5145.0 | 2690.62 | -2454.38 | 7.04 | 0.00 | -1.063 | 0.000000 |
| Walsang 132kV | 10/01/2020 07:45:00 | 32 | 34875.0 | 5095.0 | 2665.62 | -2429.38 | 6.97 | 0.00 | -2.658 | 0.000000 |
| Walsang 132kV | 10/01/2020 08:00:00 | 33 | 34875.0 | 5250.0 | 2609.38 | -2640.62 | 7.57 | 0.00 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walsang 132kV | 10/01/2020 08:15:00 | 34 | 34875.0 | 5060.0 | 2421.88 | -2638.12 | 7.56 | 0.00 | -4.661 | 0.000000 |
| Walsang 132kV | 10/01/2020 08:30:00 | 35 | 34875.0 | 5042.5 | 2053.12 | -2989.38 | 8.57 | 0.00 | 5.663 | 0.000000 |
| Walsang 132kV | 10/01/2020 08:45:00 | 36 | 34875.0 | 5027.5 | 1612.5 | -3415.0 | 9.79 | 0.00 | 4.328 | 0.000000 |
| Walsang 132kV | 10/01/2020 09:00:00 | 37 | 34875.0 | 5017.5 | 1459.38 | -3558.12 | 10.2 | 0.00 | -4.995 | 0.000000 |
| Walsang 132kV | 10/01/2020 09:15:00 | 38 | 34875.0 | 5025.0 | 1640.62 | -3384.38 | 9.7 | 0.00 | -4.327 | 0.000000 |
| Walsang 132kV | 10/01/2020 09:30:00 | 39 | 34875.0 | 5032.5 | 1562.5 | -3470.0 | 9.95 | 0.00 | -2.127 | 0.000000 |
| Walsang 132kV | 10/01/2020 09:45:00 | 40 | 34875.0 | 5002.5 | 1537.5 | -3465.0 | 9.94 | 0.00 | -1.152 | 0.000000 |
| Walsang 132kV | 10/01/2020 10:00:00 | 41 | 34875.0 | 4942.5 | 1234.38 | -3708.12 | 10.63 | 0.00 | 0.000 | 0.000000 |
| Walsang 132kV | 10/01/2020 10:15:00 | 42 | 34875.0 | 4860.0 | 1068.75 | -3791.25 | 10.87 | 0.00 | -0.532 | 0.000000 |
| Walsang 132kV | 10/01/2020 10:30:00 | 43 | 34875.0 | 4967.5 | 1315.62 | -3651.88 | 10.47 | 0.00 | -1.063 | 0.000000 |
| Walsang 132kV | 10/01/2020 10:45:00 | 44 | 34875.0 | 5085.0 | 1468.75 | -3616.25 | 10.37 | 0.00 | 0.000 | 0.000000 |
| Walsang 132kV | 10/01/2020 11:00:00 | 45 | 34875.0 | 5045.0 | 1553.12 | -3491.88 | 10.01 | 0.00 | 2.658 | 0.000000 |
| Walsang 132kV | 10/01/2020 11:15:00 | 46 | 34875.0 | 5062.5 | 1896.88 | -3165.62 | 9.08 | 0.00 | 0.000 | 0.000000 |
| Walsang 132kV | 10/01/2020 11:30:00 | 47 | 34875.0 | 5060.0 | 2353.12 | -2706.88 | 7.76 | 0.00 | -1.595 | 0.000000 |
| Walsang 132kV | 10/01/2020 11:45:00 | 48 | 34875.0 | 5037.5 | 2587.5 | -2450.0 | 7.03 | 0.00 | 2.992 | 0.000000 |
| Walsang 132kV | 10/01/2020 12:00:00 | 49 | 34875.0 | 5027.5 | 2178.12 | -2849.38 | 8.17 | 0.00 | 0.000 | 0.000000 |
| Walsang 132kV | 10/01/2020 12:15:00 | 50 | 34875.0 | 5022.5 | 1415.62 | -3606.88 | 10.34 | 0.00 | 2.127 | 0.000000 |
| Walsang 132kV | 10/01/2020 12:30:00 | 51 | 34875.0 | 5005.0 | 1053.12 | -3951.88 | 11.33 | 0.00 | 1.595 | 0.000000 |
| Walsang 132kV | 10/01/2020 12:45:00 | 52 | 34875.0 | 4970.0 | 968.75 | -4001.25 | 11.47 | 0.00 | -1.063 | 0.000000 |
| Walsang 132kV | 10/01/2020 13:00:00 | 53 | 34875.0 | 4892.5 | 1081.25 | -3811.25 | 10.93 | 0.00 | 2.658 | 0.000000 |
| Walsang 132kV | 10/01/2020 13:15:00 | 54 | 34875.0 | 5017.5 | 1012.5 | -4005.0 | 11.48 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walsang 132kV | 10/01/2020 13:30:00 | 55 | 34875.0 | 4927.5 | 1056.25 | -3871.25 | 11.1 | 0.00 | 2.127 | 0.000000 |
| Walsang 132kV | 10/01/2020 13:45:00 | 56 | 34875.0 | 5085.0 | 1093.75 | -3991.25 | 11.44 | 0.00 | -3.326 | 0.000000 |
| Walsang 132kV | 10/01/2020 14:00:00 | 57 | 34875.0 | 5062.5 | 868.75 | -4193.75 | 12.03 | 0.00 | -2.992 | 0.000000 |
| Walsang 132kV | 10/01/2020 14:15:00 | 58 | 34875.0 | 5035.0 | 846.88 | -4188.12 | 12.01 | 0.00 | 3.660 | 0.000000 |
| Walsang 132kV | 10/01/2020 14:30:00 | 59 | 34875.0 | 5005.0 | 640.62 | -4364.38 | 12.51 | 0.00 | -2.127 | 0.000000 |
| Walsang 132kV | 10/01/2020 14:45:00 | 60 | 34875.0 | 4965.0 | 593.75 | -4371.25 | 12.53 | 0.00 | -2.127 | 0.000000 |
| Walsang 132kV | 10/01/2020 15:00:00 | 61 | 34875.0 | 4912.5 | 578.12 | -4334.38 | 12.43 | 0.00 | 0.000 | 0.000000 |
| Walsang 132kV | 10/01/2020 15:15:00 | 62 | 34875.0 | 5080.0 | 531.25 | -4548.75 | 13.04 | 0.00 | -2.992 | 0.000000 |
| Walsang 132kV | 10/01/2020 15:30:00 | 63 | 34875.0 | 5037.5 | 712.5 | -4325.0 | 12.4 | 0.00 | -4.995 | 0.000000 |
| Walsang 132kV | 10/01/2020 15:45:00 | 64 | 34875.0 | 5010.0 | 706.25 | -4303.75 | 12.34 | 0.00 | -4.327 | 0.000000 |
| Walsang 132kV | 10/01/2020 16:00:00 | 65 | 34875.0 | 4942.5 | 550.0 | -4392.5 | 12.59 | 0.00 | -4.995 | 0.000000 |
| Walsang 132kV | 10/01/2020 16:15:00 | 66 | 34875.0 | 4860.0 | 662.5 | -4197.5 | 12.04 | 0.00 | -8.000 | 0.000000 |
| Walsang 132kV | 10/01/2020 16:30:00 | 67 | 34875.0 | 4967.5 | 731.25 | -4236.25 | 12.15 | 0.00 | -8.000 | 0.000000 |
| Walsang 132kV | 10/01/2020 16:45:00 | 68 | 34875.0 | 5085.0 | 640.62 | -4444.38 | 12.74 | 0.00 | 4.327 | 0.000000 |
| Walsang 132kV | 10/01/2020 17:00:00 | 69 | 34875.0 | 5045.0 | 543.75 | -4501.25 | 12.91 | 0.00 | 0.532 | 0.000000 |
| Walsang 132kV | 10/01/2020 17:15:00 | 70 | 34875.0 | 5062.5 | 559.38 | -4503.12 | 12.91 | 0.00 | -1.595 | 0.000000 |
| Walsang 132kV | 10/01/2020 17:30:00 | 71 | 34875.0 | 5030.0 | 559.38 | -4470.62 | 12.82 | 0.00 | -2.658 | 0.000000 |
| Walsang 132kV | 10/01/2020 17:45:00 | 72 | 34875.0 | 5025.0 | 559.38 | -4465.62 | 12.8 | 0.00 | -2.127 | 0.000000 |
| Walsang 132kV | 10/01/2020 18:00:00 | 73 | 34875.0 | 5027.5 | 584.38 | -4443.12 | 12.74 | 0.00 | -1.461 | 0.000000 |
| Walsang 132kV | 10/01/2020 18:15:00 | 74 | 34875.0 | 5022.5 | 659.38 | -4363.12 | 12.51 | 0.00 | 3.326 | 1533.271050 |
| Walsang 132kV | 10/01/2020 18:30:00 | 75 | 34875.0 | 5005.0 | 684.38 | -4320.62 | 12.39 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walsang 132kV | 10/01/2020 18:45:00 | 76 | 34875.0 | 4970.0 | 634.38 | -4335.62 | 12.43 | 0.00 | 3.994 | 723.720715 |
| Walsang 132kV | 10/01/2020 19:00:00 | 77 | 34875.0 | 4892.5 | 746.88 | -4145.62 | 11.89 | 0.00 | -2.127 | 0.000000 |
| Walsang 132kV | 10/01/2020 19:15:00 | 78 | 34875.0 | 5017.5 | 912.5 | -4105.0 | 11.77 | 0.00 | -2.658 | 0.000000 |
| Walsang 132kV | 10/01/2020 19:30:00 | 79 | 34875.0 | 4927.5 | 1400.0 | -3527.5 | 10.11 | 0.00 | -3.660 | 0.000000 |
| Walsang 132kV | 10/01/2020 19:45:00 | 80 | 34875.0 | 5085.0 | 1821.88 | -3263.12 | 9.36 | 0.00 | -3.326 | 0.000000 |
| Walsang 132kV | 10/01/2020 20:00:00 | 81 | 34875.0 | 5062.5 | 2034.38 | -3028.12 | 8.68 | 0.00 | 3.660 | 738.161323 |
| Walsang 132kV | 10/01/2020 20:15:00 | 82 | 34875.0 | 5042.5 | 1946.88 | -3095.62 | 8.88 | 0.00 | 3.660 | 3240.654501 |
| Walsang 132kV | 10/01/2020 20:30:00 | 83 | 34875.0 | 5057.5 | 1609.38 | -3448.12 | 9.89 | 0.00 | 4.995 | 5124.461477 |
| Walsang 132kV | 10/01/2020 20:45:00 | 84 | 34875.0 | 5030.0 | 1378.12 | -3651.88 | 10.47 | 0.00 | 2.992 | 3837.868603 |
| Walsang 132kV | 10/01/2020 21:00:00 | 85 | 34875.0 | 5025.0 | 1250.0 | -3775.0 | 10.82 | 0.00 | -3.660 | 0.000000 |
| Walsang 132kV | 10/01/2020 21:15:00 | 86 | 34875.0 | 5027.5 | 1278.12 | -3749.38 | 10.75 | 0.00 | -1.595 | 0.000000 |
| Walsang 132kV | 10/01/2020 21:30:00 | 87 | 34875.0 | 5022.5 | 1578.12 | -3444.38 | 9.88 | 0.00 | -1.063 | 0.000000 |
| Walsang 132kV | 10/01/2020 21:45:00 | 88 | 34875.0 | 5005.0 | 1587.5 | -3417.5 | 9.8 | 0.00 | -0.532 | 0.000000 |
| Walsang 132kV | 10/01/2020 22:00:00 | 89 | 34875.0 | 4970.0 | 1584.38 | -3385.62 | 9.71 | 0.00 | -1.595 | 0.000000 |
| Walsang 132kV | 10/01/2020 22:15:00 | 90 | 34875.0 | 4892.5 | 1759.38 | -3133.12 | 8.98 | 0.00 | -2.127 | 0.000000 |
| Walsang 132kV | 10/01/2020 22:30:00 | 91 | 34875.0 | 5017.5 | 1996.88 | -3020.62 | 8.66 | 0.00 | 1.063 | 0.000000 |
| Walsang 132kV | 10/01/2020 22:45:00 | 92 | 34875.0 | 4927.5 | 2375.0 | -2552.5 | 7.32 | 0.00 | -2.658 | 0.000000 |
| Walsang 132kV | 10/01/2020 23:00:00 | 93 | 34875.0 | 5077.5 | 3209.38 | -1868.12 | 5.36 | 0.00 | -2.658 | 0.000000 |
| Walsang 132kV | 10/01/2020 23:15:00 | 94 | 34875.0 | 5010.0 | 3984.38 | -1025.62 | 2.94 | 0.00 | 0.000 | 0.000000 |
| Walsang 132kV | 10/01/2020 23:30:00 | 95 | 34875.0 | 4977.5 | 3553.12 | -1424.38 | 4.08 | 0.00 | 0.000 | 0.000000 |
| Walsang 132kV | 10/01/2020 23:45:00 | 96 | 34875.0 | 4945.0 | 3203.12 | -1741.88 | 4.99 | 0.00 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walsang 132kV | 11/01/2020 00:00:00 | 1 | 34875.0 | 5032.5 | 3478.12 | -1554.38 | 4.46 | 0.00 | 0.000 | 0.000000 |
| Walsang 132kV | 11/01/2020 00:15:00 | 2 | 34875.0 | 5047.5 | 4040.62 | -1006.88 | 2.89 | 0.00 | -2.629 | 0.000000 |
| Walsang 132kV | 11/01/2020 00:30:00 | 3 | 34875.0 | 5037.5 | 4978.12 | -59.38 | 0.17 | 0.00 | -1.577 | 0.000000 |
| Walsang 132kV | 11/01/2020 00:45:00 | 4 | 34875.0 | 5032.5 | 5978.12 | 945.62 | 2.71 | 0.00 | 2.103 | 0.000000 |
| Walsang 132kV | 11/01/2020 01:00:00 | 5 | 34875.0 | 4997.5 | 6140.62 | 1143.12 | 3.28 | 0.00 | 2.964 | 0.000000 |
| Walsang 132kV | 11/01/2020 01:15:00 | 6 | 34875.0 | 4962.5 | 5518.75 | 556.25 | 1.59 | 0.00 | 1.052 | 0.000000 |
| Walsang 132kV | 11/01/2020 01:30:00 | 7 | 34875.0 | 4922.5 | 4750.0 | -172.5 | 0.49 | 0.00 | 1.577 | 20.254908 |
| Walsang 132kV | 11/01/2020 01:45:00 | 8 | 34875.0 | 5077.5 | 4984.38 | -93.12 | 0.27 | 0.00 | -0.526 | 0.000000 |
| Walsang 132kV | 11/01/2020 02:00:00 | 9 | 34875.0 | 5010.0 | 5381.25 | 371.25 | 1.06 | 0.00 | -0.403 | 0.000000 |
| Walsang 132kV | 11/01/2020 02:15:00 | 10 | 34875.0 | 4977.5 | 5503.12 | 525.62 | 1.51 | 0.00 | -0.630 | 0.000000 |
| Walsang 132kV | 11/01/2020 02:30:00 | 11 | 34875.0 | 4945.0 | 5134.38 | 189.38 | 0.54 | 0.00 | -0.526 | 0.000000 |
| Walsang 132kV | 11/01/2020 02:45:00 | 12 | 34875.0 | 5082.5 | 4734.38 | -348.12 | 1.0 | 0.00 | -0.526 | 0.000000 |
| Walsang 132kV | 11/01/2020 03:00:00 | 13 | 34875.0 | 6292.5 | 4231.25 | -2061.25 | 5.91 | 0.00 | -1.051 | 0.000000 |
| Walsang 132kV | 11/01/2020 03:15:00 | 14 | 34875.0 | 6260.0 | 4156.25 | -2103.75 | 6.03 | 0.00 | 0.000 | 0.000000 |
| Walsang 132kV | 11/01/2020 03:30:00 | 15 | 34875.0 | 5997.5 | 4028.12 | -1969.38 | 5.65 | 0.00 | 0.000 | 0.000000 |
| Walsang 132kV | 11/01/2020 03:45:00 | 16 | 34875.0 | 5920.0 | 4496.88 | -1423.12 | 4.08 | 0.00 | 0.000 | 0.000000 |
| Walsang 132kV | 11/01/2020 04:00:00 | 17 | 34875.0 | 5877.5 | 4378.12 | -1499.38 | 4.3 | 0.00 | 0.000 | 0.000000 |
| Walsang 132kV | 11/01/2020 04:15:00 | 18 | 34875.0 | 5702.5 | 4421.88 | -1280.62 | 3.67 | 0.00 | -1.051 | 0.000000 |
| Walsang 132kV | 11/01/2020 04:30:00 | 19 | 34875.0 | 5612.5 | 4412.5 | -1200.0 | 3.44 | 0.00 | -2.964 | 0.000000 |
| Walsang 132kV | 11/01/2020 04:45:00 | 20 | 34875.0 | 5625.0 | 4140.62 | -1484.38 | 4.26 | 0.00 | -3.300 | 0.000000 |
| Walsang 132kV | 11/01/2020 05:00:00 | 21 | 34875.0 | 5305.0 | 4231.25 | -1073.75 | 3.08 | 0.00 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walsang 132kV | 11/01/2020 05:15:00 | 22 | 34875.0 | 5270.0 | 4234.38 | -1035.62 | 2.97 | 0.00 | 5.314 | 1297.625893 |
| Walsang 132kV | 11/01/2020 05:30:00 | 23 | 34875.0 | 5217.5 | 4290.62 | -926.88 | 2.66 | 0.00 | 2.964 | 561.180694 |
| Walsang 132kV | 11/01/2020 05:45:00 | 24 | 34875.0 | 5160.0 | 4396.88 | -763.12 | 2.19 | 0.00 | 2.103 | 0.000000 |
| Walsang 132kV | 11/01/2020 06:00:00 | 25 | 34875.0 | 4910.0 | 4475.0 | -435.0 | 1.25 | 0.00 | 3.636 | 0.000000 |
| Walsang 132kV | 11/01/2020 06:15:00 | 26 | 34875.0 | 4967.5 | 4631.25 | -336.25 | 0.96 | 0.00 | 2.964 | 0.000000 |
| Walsang 132kV | 11/01/2020 06:30:00 | 27 | 34875.0 | 5010.0 | 4612.5 | -397.5 | 1.14 | 0.00 | 4.105 | 292.015626 |
| Walsang 132kV | 11/01/2020 06:45:00 | 28 | 34875.0 | 4977.5 | 4596.88 | -380.62 | 1.09 | 0.00 | 5.650 | 58.863761 |
| Walsang 132kV | 11/01/2020 07:00:00 | 29 | 34875.0 | 4977.5 | 4159.38 | -818.12 | 2.35 | 0.00 | 3.300 | 0.000000 |
| Walsang 132kV | 11/01/2020 07:15:00 | 30 | 34875.0 | 4892.5 | 3468.75 | -1423.75 | 4.08 | 0.00 | 5.314 | 0.000000 |
| Walsang 132kV | 11/01/2020 07:30:00 | 31 | 34875.0 | 5017.5 | 2896.88 | -2120.62 | 6.08 | 0.00 | 2.964 | 0.000000 |
| Walsang 132kV | 11/01/2020 07:45:00 | 32 | 34875.0 | 4927.5 | 2659.38 | -2268.12 | 6.5 | 0.00 | 2.103 | 0.000000 |
| Walsang 132kV | 11/01/2020 08:00:00 | 33 | 34875.0 | 5085.0 | 2431.25 | -2653.75 | 7.61 | 0.00 | -1.577 | 0.000000 |
| Walsang 132kV | 11/01/2020 08:15:00 | 34 | 34875.0 | 5062.5 | 2293.75 | -2768.75 | 7.94 | 0.00 | 3.300 | 0.000000 |
| Walsang 132kV | 11/01/2020 08:30:00 | 35 | 34875.0 | 5042.5 | 2237.5 | -2805.0 | 8.04 | 0.00 | 2.116 | 0.000000 |
| Walsang 132kV | 11/01/2020 08:45:00 | 36 | 34875.0 | 5027.5 | 2271.88 | -2755.62 | 7.9 | 0.00 | 2.964 | 0.000000 |
| Walsang 132kV | 11/01/2020 09:00:00 | 37 | 34875.0 | 5017.5 | 2968.75 | -2048.75 | 5.87 | 0.00 | 6.681 | 0.000000 |
| Walsang 132kV | 11/01/2020 09:15:00 | 38 | 34875.0 | 5025.0 | 3775.0 | -1250.0 | 3.58 | 0.00 | 6.657 | 0.000000 |
| Walsang 132kV | 11/01/2020 09:30:00 | 39 | 34875.0 | 5032.5 | 4665.62 | -366.88 | 1.05 | 0.00 | -6.322 | 0.000000 |
| Walsang 132kV | 11/01/2020 09:45:00 | 40 | 34875.0 | 5002.5 | 5059.38 | 56.88 | 0.16 | 0.00 | -2.103 | -4.089398 |
| Walsang 132kV | 11/01/2020 10:00:00 | 41 | 34875.0 | 4942.5 | 5437.5 | 495.0 | 1.42 | 0.00 | 0.526 | 0.000000 |
| Walsang 132kV | 11/01/2020 10:15:00 | 42 | 34875.0 | 4860.0 | 5415.62 | 555.62 | 1.59 | 0.00 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walsang 132kV | 11/01/2020 10:30:00 | 43 | 34875.0 | 4967.5 | 5490.62 | 523.12 | 1.5 | 0.00 | 0.000 | 0.000000 |
| Walsang 132kV | 11/01/2020 10:45:00 | 44 | 34875.0 | 5085.0 | 4878.12 | -206.88 | 0.59 | 0.00 | 0.000 | 0.000000 |
| Walsang 132kV | 11/01/2020 11:00:00 | 45 | 34875.0 | 6795.0 | 4543.75 | -2251.25 | 6.46 | 0.00 | 0.000 | 0.000000 |
| Walsang 132kV | 11/01/2020 11:15:00 | 46 | 34875.0 | 6812.5 | 4043.75 | -2768.75 | 7.94 | 0.00 | -2.964 | 0.000000 |
| Walsang 132kV | 11/01/2020 11:30:00 | 47 | 34875.0 | 6810.0 | 3284.38 | -3525.62 | 10.11 | 0.00 | -4.307 | 0.000000 |
| Walsang 132kV | 11/01/2020 11:45:00 | 48 | 34875.0 | 6787.5 | 2550.0 | -4237.5 | 12.15 | 0.00 | -3.300 | 0.000000 |
| Walsang 132kV | 11/01/2020 12:00:00 | 49 | 34875.0 | 6777.5 | 2168.75 | -4608.75 | 13.22 | 0.00 | -0.526 | 0.000000 |
| Walsang 132kV | 11/01/2020 12:15:00 | 50 | 34875.0 | 6772.5 | 1881.25 | -4891.25 | 14.03 | 0.00 | -2.103 | 0.000000 |
| Walsang 132kV | 11/01/2020 12:30:00 | 51 | 34875.0 | 6755.0 | 1615.62 | -5139.38 | 14.74 | 0.00 | -2.629 | 0.000000 |
| Walsang 132kV | 11/01/2020 12:45:00 | 52 | 34875.0 | 6720.0 | 1243.75 | -5476.25 | 15.7 | 122.50 | -2.629 | 0.000000 |
| Walsang 132kV | 11/01/2020 13:00:00 | 53 | 34875.0 | 6642.5 | 1059.38 | -5583.12 | 16.01 | 175.94 | 0.000 | 0.000000 |
| Walsang 132kV | 11/01/2020 13:15:00 | 54 | 34875.0 | 4017.5 | 931.25 | -3086.25 | 8.85 | 0.00 | -2.103 | 0.000000 |
| Walsang 132kV | 11/01/2020 13:30:00 | 55 | 34875.0 | 3927.5 | 881.25 | -3046.25 | 8.73 | 0.00 | 2.629 | 0.000000 |
| Walsang 132kV | 11/01/2020 13:45:00 | 56 | 34875.0 | 4085.0 | 675.0 | -3410.0 | 9.78 | 0.00 | 2.103 | 0.000000 |
| Walsang 132kV | 11/01/2020 14:00:00 | 57 | 34875.0 | 4062.5 | 521.88 | -3540.62 | 10.15 | 0.00 | 1.051 | 0.000000 |
| Walsang 132kV | 11/01/2020 14:15:00 | 58 | 34875.0 | 4035.0 | 493.75 | -3541.25 | 10.15 | 0.00 | 3.300 | 0.000000 |
| Walsang 132kV | 11/01/2020 14:30:00 | 59 | 34875.0 | 4005.0 | 340.62 | -3664.38 | 10.51 | 0.00 | -3.636 | 0.000000 |
| Walsang 132kV | 11/01/2020 14:45:00 | 60 | 34875.0 | 3965.0 | 534.38 | -3430.62 | 9.84 | 0.00 | 4.979 | 0.000000 |
| Walsang 132kV | 11/01/2020 15:00:00 | 61 | 34875.0 | 3912.5 | 421.88 | -3490.62 | 10.01 | 0.00 | -2.964 | 0.000000 |
| Walsang 132kV | 11/01/2020 15:15:00 | 62 | 34875.0 | 4080.0 | 756.25 | -3323.75 | 9.53 | 0.00 | -5.314 | 0.000000 |
| Walsang 132kV | 11/01/2020 15:30:00 | 63 | 34875.0 | 4037.5 | 684.38 | -3353.12 | 9.61 | 0.00 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walsang 132kV | 11/01/2020 15:45:00 | 64 | 34875.0 | 4010.0 | 1246.88 | -2763.12 | 7.92 | 0.00 | 4.643 | 0.000000 |
| Walsang 132kV | 11/01/2020 16:00:00 | 65 | 34875.0 | 3942.5 | 937.5 | -3005.0 | 8.62 | 0.00 | 2.103 | 0.000000 |
| Walsang 132kV | 11/01/2020 16:15:00 | 66 | 34875.0 | 3860.0 | 859.38 | -3000.62 | 8.6 | 0.00 | -2.964 | 0.000000 |
| Walsang 132kV | 11/01/2020 16:30:00 | 67 | 34875.0 | 3967.5 | 743.75 | -3223.75 | 9.24 | 0.00 | -2.103 | 0.000000 |
| Walsang 132kV | 11/01/2020 16:45:00 | 68 | 34875.0 | 4085.0 | 896.88 | -3188.12 | 9.14 | 0.00 | 3.972 | 0.000000 |
| Walsang 132kV | 11/01/2020 17:00:00 | 69 | 34875.0 | 4045.0 | 1259.38 | -2785.62 | 7.99 | 0.00 | -1.577 | 0.000000 |
| Walsang 132kV | 11/01/2020 17:15:00 | 70 | 34875.0 | 4062.5 | 1340.62 | -2721.88 | 7.8 | 0.00 | -1.577 | 0.000000 |
| Walsang 132kV | 11/01/2020 17:30:00 | 71 | 34875.0 | 4030.0 | 1715.62 | -2314.38 | 6.64 | 0.00 | 1.051 | 29.529972 |
| Walsang 132kV | 11/01/2020 17:45:00 | 72 | 34875.0 | 4025.0 | 2006.25 | -2018.75 | 5.79 | 0.00 | -2.103 | 0.000000 |
| Walsang 132kV | 11/01/2020 18:00:00 | 73 | 34875.0 | 4027.5 | 2137.5 | -1890.0 | 5.42 | 0.00 | -2.964 | 0.000000 |
| Walsang 132kV | 11/01/2020 18:15:00 | 74 | 34875.0 | 4022.5 | 2681.25 | -1341.25 | 3.85 | 0.00 | -2.629 | 0.000000 |
| Walsang 132kV | 11/01/2020 18:30:00 | 75 | 34875.0 | 4005.0 | 3309.38 | -695.62 | 1.99 | 0.00 | 2.103 | 24.452778 |
| Walsang 132kV | 11/01/2020 18:45:00 | 76 | 34875.0 | 3970.0 | 3500.0 | -470.0 | 1.35 | 0.00 | 0.526 | 48.375607 |
| Walsang 132kV | 11/01/2020 19:00:00 | 77 | 34875.0 | 3892.5 | 3625.0 | -267.5 | 0.77 | 0.00 | 2.103 | 109.353081 |
| Walsang 132kV | 11/01/2020 19:15:00 | 78 | 34875.0 | 4017.5 | 3456.25 | -561.25 | 1.61 | 0.00 | -1.052 | 0.000000 |
| Walsang 132kV | 11/01/2020 19:30:00 | 79 | 34875.0 | 3927.5 | 2853.12 | -1074.38 | 3.08 | 0.00 | 2.964 | 0.000000 |
| Walsang 132kV | 11/01/2020 19:45:00 | 80 | 34875.0 | 4085.0 | 2790.62 | -1294.38 | 3.71 | 0.00 | 2.629 | 962.807569 |
| Walsang 132kV | 11/01/2020 20:00:00 | 81 | 34875.0 | 4062.5 | 2856.25 | -1206.25 | 3.46 | 0.00 | 2.629 | 196.173298 |
| Walsang 132kV | 11/01/2020 20:15:00 | 82 | 34875.0 | 4042.5 | 2740.62 | -1301.88 | 3.73 | 0.00 | 4.307 | 698.166147 |
| Walsang 132kV | 11/01/2020 20:30:00 | 83 | 34875.0 | 4057.5 | 1928.12 | -2129.38 | 6.11 | 0.00 | 2.964 | 2927.921114 |
| Walsang 132kV | 11/01/2020 20:45:00 | 84 | 34875.0 | 4030.0 | 1465.62 | -2564.38 | 7.35 | 0.00 | 2.629 | 3026.745066 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walsang 132kV | 11/01/2020 21:00:00 | 85 | 34875.0 | 4025.0 | 1028.12 | -2996.88 | 8.59 | 0.00 | 3.636 | 642.435253 |
| Walsang 132kV | 11/01/2020 21:15:00 | 86 | 34875.0 | 4027.5 | 815.62 | -3211.88 | 9.21 | 0.00 | -1.577 | 0.000000 |
| Walsang 132kV | 11/01/2020 21:30:00 | 87 | 34875.0 | 4022.5 | 506.25 | -3516.25 | 10.08 | 0.00 | -1.577 | 0.000000 |
| Walsang 132kV | 11/01/2020 21:45:00 | 88 | 34875.0 | 4005.0 | 240.62 | -3764.38 | 10.79 | 0.00 | -1.052 | 0.000000 |
| Walsang 132kV | 11/01/2020 22:00:00 | 89 | 34875.0 | 3970.0 | 31.25 | -3938.75 | 11.29 | 0.00 | -5.650 | 0.000000 |
| Walsang 132kV | 11/01/2020 22:15:00 | 90 | 34875.0 | 3892.5 | 0.0 | -3892.5 | 11.16 | 0.00 | -5.650 | 0.000000 |
| Walsang 132kV | 11/01/2020 22:30:00 | 91 | 34875.0 | 4017.5 | 3.12 | -4014.38 | 11.51 | 0.00 | 4.979 | 1935.559845 |
| Walsang 132kV | 11/01/2020 22:45:00 | 92 | 34875.0 | 3927.5 | 96.88 | -3830.62 | 10.98 | 0.00 | 2.964 | 2405.563780 |
| Walsang 132kV | 11/01/2020 23:00:00 | 93 | 34875.0 | 4077.5 | 387.5 | -3690.0 | 10.58 | 0.00 | 1.577 | 576.996980 |
| Walsang 132kV | 11/01/2020 23:15:00 | 94 | 34875.0 | 4010.0 | 365.62 | -3644.38 | 10.45 | 0.00 | 1.074 | 466.115097 |
| Walsang 132kV | 11/01/2020 23:30:00 | 95 | 34875.0 | 3977.5 | 90.62 | -3886.88 | 11.15 | 0.00 | 2.113 | 2240.741270 |
| Walsang 132kV | 11/01/2020 23:45:00 | 96 | 34875.0 | 3945.0 | 634.38 | -3310.62 | 9.49 | 0.00 | 2.162 | 2460.467231 |
| Walsang 132kV | 12/01/2020 00:00:00 | 1 | 34875.0 | 5157.5 | 1925.0 | -3232.5 | 9.27 | 0.00 | 3.022 | 1988.206765 |
| Walsang 132kV | 12/01/2020 00:15:00 | 2 | 34875.0 | 5172.5 | 3393.75 | -1778.75 | 5.1 | 0.00 | -2.152 | 0.000000 |
| Walsang 132kV | 12/01/2020 00:30:00 | 3 | 34875.0 | 5162.5 | 5018.75 | -143.75 | 0.41 | 0.00 | -2.152 | 0.000000 |
| Walsang 132kV | 12/01/2020 00:45:00 | 4 | 34875.0 | 5157.5 | 6171.88 | 1014.38 | 2.91 | 0.00 | -3.022 | 0.000000 |
| Walsang 132kV | 12/01/2020 01:00:00 | 5 | 34875.0 | 5122.5 | 6778.12 | 1655.62 | 4.75 | 0.00 | -0.629 | 0.000000 |
| Walsang 132kV | 12/01/2020 01:15:00 | 6 | 34875.0 | 5087.5 | 7868.75 | 2781.25 | 7.97 | 0.00 | -3.317 | 0.000000 |
| Walsang 132kV | 12/01/2020 01:30:00 | 7 | 34875.0 | 5047.5 | 9140.62 | 4093.12 | 11.74 | 0.00 | -3.354 | 0.000000 |
| Walsang 132kV | 12/01/2020 01:45:00 | 8 | 34875.0 | 5202.5 | 11150.0 | 5947.5 | 17.05 | 358.13 | -3.022 | 0.000000 |
| Walsang 132kV | 12/01/2020 02:00:00 | 9 | 34875.0 | 5135.0 | 11531.25 | 6396.25 | 18.34 | 582.50 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walsang 132kV | 12/01/2020 02:15:00 | 10 | 34875.0 | 5102.5 | 10518.75 | 5416.25 | 15.53 | 92.50 | -3.022 | 0.000000 |
| Walsang 132kV | 12/01/2020 02:30:00 | 11 | 34875.0 | 5467.5 | 8659.38 | 3191.88 | 9.15 | 0.00 | -2.690 | 0.000000 |
| Walsang 132kV | 12/01/2020 02:45:00 | 12 | 34875.0 | 6687.5 | 6765.62 | 78.12 | 0.22 | 0.00 | -3.022 | 0.000000 |
| Walsang 132kV | 12/01/2020 03:00:00 | 13 | 34875.0 | 6590.0 | 5437.5 | -1152.5 | 3.3 | 0.00 | 3.354 | 545.693825 |
| Walsang 132kV | 12/01/2020 03:15:00 | 14 | 34875.0 | 6525.0 | 4587.5 | -1937.5 | 5.56 | 0.00 | 3.022 | 1125.038403 |
| Walsang 132kV | 12/01/2020 03:30:00 | 15 | 34875.0 | 6260.0 | 3743.75 | -2516.25 | 7.22 | 0.00 | 3.354 | 541.923780 |
| Walsang 132kV | 12/01/2020 03:45:00 | 16 | 34875.0 | 6207.5 | 3031.25 | -3176.25 | 9.11 | 0.00 | 2.152 | 0.000000 |
| Walsang 132kV | 12/01/2020 04:00:00 | 17 | 34875.0 | 6492.5 | 2850.0 | -3642.5 | 10.44 | 0.00 | -2.152 | 0.000000 |
| Walsang 132kV | 12/01/2020 04:15:00 | 18 | 34875.0 | 6400.0 | 3293.75 | -3106.25 | 8.91 | 0.00 | -3.022 | 0.000000 |
| Walsang 132kV | 12/01/2020 04:30:00 | 19 | 34875.0 | 6207.5 | 3890.62 | -2316.88 | 6.64 | 0.00 | 1.076 | 0.000000 |
| Walsang 132kV | 12/01/2020 04:45:00 | 20 | 34875.0 | 6065.0 | 4240.62 | -1824.38 | 5.23 | 0.00 | -3.022 | 0.000000 |
| Walsang 132kV | 12/01/2020 05:00:00 | 21 | 34875.0 | 5755.0 | 4084.38 | -1670.62 | 4.79 | 0.00 | 3.686 | 0.000000 |
| Walsang 132kV | 12/01/2020 05:15:00 | 22 | 34875.0 | 5662.5 | 4359.38 | -1303.12 | 3.74 | 0.00 | 3.686 | 1437.693873 |
| Walsang 132kV | 12/01/2020 05:30:00 | 23 | 34875.0 | 5627.5 | 4118.75 | -1508.75 | 4.33 | 0.00 | -1.614 | 0.000000 |
| Walsang 132kV | 12/01/2020 05:45:00 | 24 | 34875.0 | 5067.5 | 3762.5 | -1305.0 | 3.74 | 0.00 | -0.496 | 0.000000 |
| Walsang 132kV | 12/01/2020 06:00:00 | 25 | 34875.0 | 4985.0 | 3556.25 | -1428.75 | 4.1 | 0.00 | 0.000 | 0.000000 |
| Walsang 132kV | 12/01/2020 06:15:00 | 26 | 34875.0 | 5047.5 | 3662.5 | -1385.0 | 3.97 | 0.00 | -0.430 | 0.000000 |
| Walsang 132kV | 12/01/2020 06:30:00 | 27 | 34875.0 | 5197.5 | 3837.5 | -1360.0 | 3.9 | 0.00 | -2.152 | 0.000000 |
| Walsang 132kV | 12/01/2020 06:45:00 | 28 | 34875.0 | 5155.0 | 4125.0 | -1030.0 | 2.95 | 0.00 | 4.681 | 0.000000 |
| Walsang 132kV | 12/01/2020 07:00:00 | 29 | 34875.0 | 5165.0 | 4284.38 | -880.62 | 2.53 | 0.00 | 1.614 | 0.000000 |
| Walsang 132kV | 12/01/2020 07:15:00 | 30 | 34875.0 | 5127.5 | 4215.62 | -911.88 | 2.61 | 0.00 | 3.838 | 754.723375 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walsang 132kV | 12/01/2020 07:30:00 | 31 | 34875.0 | 5067.5 | 3971.88 | -1095.62 | 3.14 | 0.00 | 3.022 | 0.000000 |
| Walsang 132kV | 12/01/2020 07:45:00 | 32 | 34875.0 | 4985.0 | 3968.75 | -1016.25 | 2.91 | 0.00 | 2.690 | 0.000000 |
| Walsang 132kV | 12/01/2020 08:00:00 | 33 | 34875.0 | 5092.5 | 3925.0 | -1167.5 | 3.35 | 0.00 | -2.690 | 0.000000 |
| Walsang 132kV | 12/01/2020 08:15:00 | 34 | 34875.0 | 5110.0 | 3509.38 | -1600.62 | 4.59 | 0.00 | -4.018 | 0.000000 |
| Walsang 132kV | 12/01/2020 08:30:00 | 35 | 34875.0 | 5170.0 | 3103.12 | -2066.88 | 5.93 | 0.00 | -2.690 | 0.000000 |
| Walsang 132kV | 12/01/2020 08:45:00 | 36 | 34875.0 | 5157.5 | 3178.12 | -1979.38 | 5.68 | 0.00 | 3.022 | 0.000000 |
| Walsang 132kV | 12/01/2020 09:00:00 | 37 | 34875.0 | 5155.0 | 3287.5 | -1867.5 | 5.35 | 0.00 | -3.354 | 0.000000 |
| Walsang 132kV | 12/01/2020 09:15:00 | 38 | 34875.0 | 5182.5 | 3534.38 | -1648.12 | 4.73 | 0.00 | -4.350 | 0.000000 |
| Walsang 132kV | 12/01/2020 09:30:00 | 39 | 34875.0 | 5160.0 | 3975.0 | -1185.0 | 3.4 | 0.00 | 2.152 | 0.000000 |
| Walsang 132kV | 12/01/2020 09:45:00 | 40 | 34875.0 | 5130.0 | 4659.38 | -470.62 | 1.35 | 0.00 | -2.690 | 0.000000 |
| Walsang 132kV | 12/01/2020 10:00:00 | 41 | 34875.0 | 5090.0 | 6140.62 | 1050.62 | 3.01 | 0.00 | -3.354 | -38.866423 |
| Walsang 132kV | 12/01/2020 10:15:00 | 42 | 34875.0 | 5037.5 | 8478.12 | 3440.62 | 9.87 | 0.00 | -3.686 | -181.827062 |
| Walsang 132kV | 12/01/2020 10:30:00 | 43 | 34875.0 | 5205.0 | 9362.5 | 4157.5 | 11.92 | 0.00 | -1.614 | -139.673466 |
| Walsang 132kV | 12/01/2020 10:45:00 | 44 | 34875.0 | 5162.5 | 8637.5 | 3475.0 | 9.96 | 0.00 | 3.686 | 0.000000 |
| Walsang 132kV | 12/01/2020 11:00:00 | 45 | 34875.0 | 5170.0 | 7400.0 | 2230.0 | 6.39 | 0.00 | -3.354 | -331.908331 |
| Walsang 132kV | 12/01/2020 11:15:00 | 46 | 34875.0 | 5187.5 | 5796.88 | 609.38 | 1.75 | 0.00 | -5.450 | -268.317293 |
| Walsang 132kV | 12/01/2020 11:30:00 | 47 | 34875.0 | 5185.0 | 4409.38 | -775.62 | 2.22 | 0.00 | -6.009 | 0.000000 |
| Walsang 132kV | 12/01/2020 11:45:00 | 48 | 34875.0 | 5162.5 | 3465.62 | -1696.88 | 4.87 | 0.00 | 2.690 | 0.000000 |
| Walsang 132kV | 12/01/2020 12:00:00 | 49 | 34875.0 | 5152.5 | 2956.25 | -2196.25 | 6.3 | 0.00 | 3.686 | 0.000000 |
| Walsang 132kV | 12/01/2020 12:15:00 | 50 | 34875.0 | 5147.5 | 2228.12 | -2919.38 | 8.37 | 0.00 | -5.345 | 0.000000 |
| Walsang 132kV | 12/01/2020 12:30:00 | 51 | 34875.0 | 5130.0 | 1784.38 | -3345.62 | 9.59 | 0.00 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walsang 132kV | 12/01/2020 12:45:00 | 52 | 34875.0 | 5095.0 | 1806.25 | -3288.75 | 9.43 | 0.00 | -5.345 | 0.000000 |
| Walsang 132kV | 12/01/2020 13:00:00 | 53 | 34875.0 | 5017.5 | 1684.38 | -3333.12 | 9.56 | 0.00 | -3.999 | 0.000000 |
| Walsang 132kV | 12/01/2020 13:15:00 | 54 | 34875.0 | 5097.5 | 1593.75 | -3503.75 | 10.05 | 0.00 | -4.350 | 0.000000 |
| Walsang 132kV | 12/01/2020 13:30:00 | 55 | 34875.0 | 5040.0 | 1434.38 | -3605.62 | 10.34 | 0.00 | -1.076 | 0.000000 |
| Walsang 132kV | 12/01/2020 13:45:00 | 56 | 34875.0 | 5195.0 | 1337.5 | -3857.5 | 11.06 | 0.00 | -2.690 | 0.000000 |
| Walsang 132kV | 12/01/2020 14:00:00 | 57 | 34875.0 | 5165.0 | 1356.25 | -3808.75 | 10.92 | 0.00 | -0.538 | 0.000000 |
| Walsang 132kV | 12/01/2020 14:15:00 | 58 | 34875.0 | 5155.0 | 921.88 | -4233.12 | 12.14 | 0.00 | -2.152 | 0.000000 |
| Walsang 132kV | 12/01/2020 14:30:00 | 59 | 34875.0 | 5100.0 | 856.25 | -4243.75 | 12.17 | 0.00 | -2.690 | 0.000000 |
| Walsang 132kV | 12/01/2020 14:45:00 | 60 | 34875.0 | 5035.0 | 756.25 | -4278.75 | 12.27 | 0.00 | -1.076 | 0.000000 |
| Walsang 132kV | 12/01/2020 15:00:00 | 61 | 34875.0 | 4935.0 | 828.12 | -4106.88 | 11.78 | 0.00 | 0.000 | 0.000000 |
| Walsang 132kV | 12/01/2020 15:15:00 | 62 | 34875.0 | 5150.0 | 703.12 | -4446.88 | 12.75 | 0.00 | -2.690 | 0.000000 |
| Walsang 132kV | 12/01/2020 15:30:00 | 63 | 34875.0 | 5170.0 | 665.62 | -4504.38 | 12.92 | 0.00 | -3.022 | 0.000000 |
| Walsang 132kV | 12/01/2020 15:45:00 | 64 | 34875.0 | 5170.0 | 506.25 | -4663.75 | 13.37 | 0.00 | -3.686 | 0.000000 |
| Walsang 132kV | 12/01/2020 16:00:00 | 65 | 34875.0 | 5135.0 | 284.38 | -4850.62 | 13.91 | 0.00 | -3.737 | 0.000000 |
| Walsang 132kV | 12/01/2020 16:15:00 | 66 | 34875.0 | 5120.0 | 312.5 | -4807.5 | 13.78 | 0.00 | -5.786 | 0.000000 |
| Walsang 132kV | 12/01/2020 16:30:00 | 67 | 34875.0 | 5050.0 | 431.25 | -4618.75 | 13.24 | 0.00 | -4.350 | 0.000000 |
| Walsang 132kV | 12/01/2020 16:45:00 | 68 | 34875.0 | 5205.0 | 240.62 | -4964.38 | 14.23 | 0.00 | -1.614 | 0.000000 |
| Walsang 132kV | 12/01/2020 17:00:00 | 69 | 34875.0 | 5157.5 | 178.12 | -4979.38 | 14.28 | 0.00 | 0.000 | 0.000000 |
| Walsang 132kV | 12/01/2020 17:15:00 | 70 | 34875.0 | 5155.0 | 196.88 | -4958.12 | 14.22 | 0.00 | 2.690 | 1285.411216 |
| Walsang 132kV | 12/01/2020 17:30:00 | 71 | 34875.0 | 5152.5 | 128.12 | -5024.38 | 14.41 | 0.00 | -3.022 | 0.000000 |
| Walsang 132kV | 12/01/2020 17:45:00 | 72 | 34875.0 | 5147.5 | 109.38 | -5038.12 | 14.45 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walsang 132kV | 12/01/2020 18:00:00 | 73 | 34875.0 | 5152.5 | 37.5 | -5115.0 | 14.67 | 0.00 | -0.538 | 0.000000 |
| Walsang 132kV | 12/01/2020 18:15:00 | 74 | 34875.0 | 5147.5 | 15.62 | -5131.88 | 14.72 | 0.00 | -4.350 | 0.000000 |
| Walsang 132kV | 12/01/2020 18:30:00 | 75 | 34875.0 | 5130.0 | 9.38 | -5120.62 | 14.68 | 0.00 | 2.690 | 880.568170 |
| Walsang 132kV | 12/01/2020 18:45:00 | 76 | 34875.0 | 5095.0 | 3.12 | -5091.88 | 14.6 | 0.00 | 3.022 | 5641.121825 |
| Walsang 132kV | 12/01/2020 19:00:00 | 77 | 34875.0 | 5017.5 | 0.0 | -5017.5 | 14.39 | 0.00 | 3.686 | 1785.512510 |
| Walsang 132kV | 12/01/2020 19:15:00 | 78 | 34875.0 | 5142.5 | 0.0 | -5142.5 | 14.75 | 0.00 | 2.690 | 108.625314 |
| Walsang 132kV | 12/01/2020 19:30:00 | 79 | 34875.0 | 5052.5 | 75.0 | -4977.5 | 14.27 | 0.00 | -3.022 | 0.000000 |
| Walsang 132kV | 12/01/2020 19:45:00 | 80 | 34875.0 | 5165.0 | 203.12 | -4961.88 | 14.23 | 0.00 | -1.781 | 0.000000 |
| Walsang 132kV | 12/01/2020 20:00:00 | 81 | 34875.0 | 5175.0 | 218.75 | -4956.25 | 14.21 | 0.00 | -3.021 | 0.000000 |
| Walsang 132kV | 12/01/2020 20:15:00 | 82 | 34875.0 | 5152.5 | 143.75 | -5008.75 | 14.36 | 0.00 | -4.018 | 0.000000 |
| Walsang 132kV | 12/01/2020 20:30:00 | 83 | 34875.0 | 5160.0 | 50.0 | -5110.0 | 14.65 | 0.00 | -3.354 | 0.000000 |
| Walsang 132kV | 12/01/2020 20:45:00 | 84 | 34875.0 | 5150.0 | 6.25 | -5143.75 | 14.75 | 0.00 | -1.614 | 0.000000 |
| Walsang 132kV | 12/01/2020 21:00:00 | 85 | 34875.0 | 5120.0 | 0.0 | -5120.0 | 14.68 | 0.00 | -4.350 | 0.000000 |
| Walsang 132kV | 12/01/2020 21:15:00 | 86 | 34875.0 | 5097.5 | 34.38 | -5063.12 | 14.52 | 0.00 | -3.686 | 0.000000 |
| Walsang 132kV | 12/01/2020 21:30:00 | 87 | 34875.0 | 5045.0 | 178.12 | -4866.88 | 13.96 | 0.00 | -1.614 | 0.000000 |
| Walsang 132kV | 12/01/2020 21:45:00 | 88 | 34875.0 | 5075.0 | 287.5 | -4787.5 | 13.73 | 0.00 | 0.000 | 0.000000 |
| Walsang 132kV | 12/01/2020 22:00:00 | 89 | 34875.0 | 5102.5 | 562.5 | -4540.0 | 13.02 | 0.00 | -3.354 | 0.000000 |
| Walsang 132kV | 12/01/2020 22:15:00 | 90 | 34875.0 | 5052.5 | 878.12 | -4174.38 | 11.97 | 0.00 | 4.350 | 5096.712675 |
| Walsang 132kV | 12/01/2020 22:30:00 | 91 | 34875.0 | 5210.0 | 1390.62 | -3819.38 | 10.95 | 0.00 | 5.215 | 8794.644564 |
| Walsang 132kV | 12/01/2020 22:45:00 | 92 | 34875.0 | 5187.5 | 1787.5 | -3400.0 | 9.75 | 0.00 | 3.022 | 766.392890 |
| Walsang 132kV | 12/01/2020 23:00:00 | 93 | 34875.0 | 5160.0 | 1912.5 | -3247.5 | 9.31 | 0.00 | 3.022 | 1603.364124 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walsang 132kV | 12/01/2020 23:15:00 | 94 | 34875.0 | 5130.0 | 2018.75 | -3111.25 | 8.92 | 0.00 | 2.152 | 1529.514214 |
| Walsang 132kV | 12/01/2020 23:30:00 | 95 | 34875.0 | 5090.0 | 2112.5 | -2977.5 | 8.54 | 0.00 | 2.152 | 842.331911 |
| Walsang 132kV | 12/01/2020 23:45:00 | 96 | 34875.0 | 5037.5 | 2225.0 | -2812.5 | 8.06 | 0.00 | 2.152 | 914.199239 |
| Walve 220kV | 06/01/2020 00:00:00 | 1 | 42025.0 | 7162.5 | 15237.5 | 8075.0 | 19.21 | 885.63 | 2.903 | 0.000000 |
| Walve 220kV | 06/01/2020 00:15:00 | 2 | 42025.0 | 7212.5 | 15550.0 | 8337.5 | 19.84 | 1016.88 | 0.000 | 0.000000 |
| Walve 220kV | 06/01/2020 00:30:00 | 3 | 42025.0 | 7190.0 | 14837.5 | 7647.5 | 18.2 | 671.88 | 0.000 | 0.000000 |
| Walve 220kV | 06/01/2020 00:45:00 | 4 | 42025.0 | 7272.5 | 14062.5 | 6790.0 | 16.16 | 243.13 | -0.984 | 0.000000 |
| Walve 220kV | 06/01/2020 01:00:00 | 5 | 42025.0 | 10062.5 | 15162.5 | 5100.0 | 12.14 | 0.00 | -3.541 | 0.000000 |
| Walve 220kV | 06/01/2020 01:15:00 | 6 | 42025.0 | 9972.5 | 16706.25 | 6733.75 | 16.02 | 215.00 | 3.222 | 0.000000 |
| Walve 220kV | 06/01/2020 01:30:00 | 7 | 42025.0 | 9862.5 | 17118.75 | 7256.25 | 17.27 | 476.25 | 3.541 | 0.000000 |
| Walve 220kV | 06/01/2020 01:45:00 | 8 | 42025.0 | 9807.5 | 17312.5 | 7505.0 | 17.86 | 600.63 | 2.352 | 0.000000 |
| Walve 220kV | 06/01/2020 02:00:00 | 9 | 42025.0 | 9755.0 | 18028.12 | 8273.12 | 19.69 | 984.69 | 1.747 | 0.000000 |
| Walve 220kV | 06/01/2020 02:15:00 | 10 | 42025.0 | 9695.0 | 19109.38 | 9414.38 | 22.4 | 1555.32 | 0.581 | 0.000000 |
| Walve 220kV | 06/01/2020 02:30:00 | 11 | 42025.0 | 12562.5 | 19165.62 | 6603.12 | 15.71 | 149.69 | -2.323 | 0.000000 |
| Walve 220kV | 06/01/2020 02:45:00 | 12 | 42025.0 | 12472.5 | 18759.38 | 6286.88 | 14.96 | 0.00 | 2.323 | 0.000000 |
| Walve 220kV | 06/01/2020 03:00:00 | 13 | 42025.0 | 12362.5 | 20046.88 | 7684.38 | 18.29 | 690.32 | 2.323 | 0.000000 |
| Walve 220kV | 06/01/2020 03:15:00 | 14 | 42025.0 | 12307.5 | 21400.0 | 9092.5 | 21.64 | 1394.38 | -1.742 | -273.823757 |
| Walve 220kV | 06/01/2020 03:30:00 | 15 | 42025.0 | 12255.0 | 21650.0 | 9395.0 | 22.36 | 1545.63 | 3.222 | 0.000000 |
| Walve 220kV | 06/01/2020 03:45:00 | 16 | 42025.0 | 12195.0 | 20703.12 | 8508.12 | 20.25 | 1102.19 | 3.541 | 0.000000 |
| Walve 220kV | 06/01/2020 04:00:00 | 17 | 42025.0 | 12112.5 | 20203.12 | 8090.62 | 19.25 | 893.44 | 4.496 | 0.000000 |
| Walve 220kV | 06/01/2020 04:15:00 | 18 | 42025.0 | 14972.5 | 20096.88 | 5124.38 | 12.19 | 0.00 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walve 220kV | 06/01/2020 04:30:00 | 19 | 42025.0 | 14862.5 | 20065.62 | 5203.12 | 12.38 | 0.00 | 3.859 | 0.000000 |
| Walve 220kV | 06/01/2020 04:45:00 | 20 | 42025.0 | 14807.5 | 20953.12 | 6145.62 | 14.62 | 0.00 | 4.815 | 0.000000 |
| Walve 220kV | 06/01/2020 05:00:00 | 21 | 42025.0 | 14755.0 | 21103.12 | 6348.12 | 15.11 | 22.19 | 3.859 | 0.000000 |
| Walve 220kV | 06/01/2020 05:15:00 | 22 | 42025.0 | 14695.0 | 20365.62 | 5670.62 | 13.49 | 0.00 | 6.407 | 0.000000 |
| Walve 220kV | 06/01/2020 05:30:00 | 23 | 42025.0 | 14612.5 | 19990.62 | 5378.12 | 12.8 | 0.00 | 6.496 | 0.000000 |
| Walve 220kV | 06/01/2020 05:45:00 | 24 | 42025.0 | 14530.0 | 19856.25 | 5326.25 | 12.67 | 0.00 | 7.492 | 0.000000 |
| Walve 220kV | 06/01/2020 06:00:00 | 25 | 42025.0 | 10047.5 | 18753.12 | 8705.62 | 20.72 | 1200.94 | -5.452 | 0.000000 |
| Walve 220kV | 06/01/2020 06:15:00 | 26 | 42025.0 | 9917.5 | 17696.88 | 7779.38 | 18.51 | 737.82 | -6.089 | 0.000000 |
| Walve 220kV | 06/01/2020 06:30:00 | 27 | 42025.0 | 9987.5 | 16575.0 | 6587.5 | 15.68 | 141.88 | -7.044 | 0.000000 |
| Walve 220kV | 06/01/2020 06:45:00 | 28 | 42025.0 | 10047.5 | 15818.75 | 5771.25 | 13.73 | 0.00 | 7.682 | 0.000000 |
| Walve 220kV | 06/01/2020 07:00:00 | 29 | 42025.0 | 9917.5 | 15787.5 | 5870.0 | 13.97 | 0.00 | -3.859 | 0.000000 |
| Walve 220kV | 06/01/2020 07:15:00 | 30 | 42025.0 | 10012.5 | 16496.88 | 6484.38 | 15.43 | 90.32 | 4.815 | 0.000000 |
| Walve 220kV | 06/01/2020 07:30:00 | 31 | 42025.0 | 9730.0 | 16931.25 | 7201.25 | 17.14 | 448.75 | 4.178 | 0.000000 |
| Walve 220kV | 06/01/2020 07:45:00 | 32 | 42025.0 | 9895.0 | 16943.75 | 7048.75 | 16.77 | 372.50 | -3.540 | -3118.198848 |
| Walve 220kV | 06/01/2020 08:00:00 | 33 | 42025.0 | 10012.5 | 16318.75 | 6306.25 | 15.01 | 1.25 | -3.859 | -1660.594533 |
| Walve 220kV | 06/01/2020 08:15:00 | 34 | 42025.0 | 10012.5 | 15434.38 | 5421.88 | 12.9 | 0.00 | -5.452 | -465.850692 |
| Walve 220kV | 06/01/2020 08:30:00 | 35 | 42025.0 | 10012.5 | 15262.5 | 5250.0 | 12.49 | 0.00 | 4.178 | 0.000000 |
| Walve 220kV | 06/01/2020 08:45:00 | 36 | 42025.0 | 9917.5 | 14721.88 | 4804.38 | 11.43 | 0.00 | -3.859 | -486.799592 |
| Walve 220kV | 06/01/2020 09:00:00 | 37 | 42025.0 | 9960.0 | 13656.25 | 3696.25 | 8.8 | 0.00 | -6.407 | -1158.209113 |
| Walve 220kV | 06/01/2020 09:15:00 | 38 | 42025.0 | 8340.0 | 12737.5 | 4397.5 | 10.46 | 0.00 | -8.000 | -699.178939 |
| Walve 220kV | 06/01/2020 09:30:00 | 39 | 42025.0 | 7585.0 | 11840.62 | 4255.62 | 10.13 | 0.00 | -5.770 | -292.920844 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walve 220kV | 06/01/2020 09:45:00 | 40 | 42025.0 | 6912.5 | 11037.5 | 4125.0 | 9.82 | 0.00 | 3.222 | 0.000000 |
| Walve 220kV | 06/01/2020 10:00:00 | 41 | 42025.0 | 6152.5 | 10368.75 | 4216.25 | 10.03 | 0.00 | -2.903 | -575.296122 |
| Walve 220kV | 06/01/2020 10:15:00 | 42 | 42025.0 | 5930.0 | 11243.75 | 5313.75 | 12.64 | 0.00 | -3.222 | -149.431702 |
| Walve 220kV | 06/01/2020 10:30:00 | 43 | 42025.0 | 6745.0 | 11356.25 | 4611.25 | 10.97 | 0.00 | 4.815 | 0.000000 |
| Walve 220kV | 06/01/2020 10:45:00 | 44 | 42025.0 | 6560.0 | 9875.0 | 3315.0 | 7.89 | 0.00 | 4.496 | 0.000000 |
| Walve 220kV | 06/01/2020 11:00:00 | 45 | 42025.0 | 6362.5 | 9578.12 | 3215.62 | 7.65 | 0.00 | 16.000 | 0.000000 |
| Walve 220kV | 06/01/2020 11:15:00 | 46 | 42025.0 | 6080.0 | 9493.75 | 3413.75 | 8.12 | 0.00 | 5.133 | 0.000000 |
| Walve 220kV | 06/01/2020 11:30:00 | 47 | 42025.0 | 5987.5 | 8862.5 | 2875.0 | 6.84 | 0.00 | 1.182 | 0.000000 |
| Walve 220kV | 06/01/2020 11:45:00 | 48 | 42025.0 | 7362.5 | 7221.88 | -140.62 | 0.33 | 0.00 | 6.308 | 0.000000 |
| Walve 220kV | 06/01/2020 12:00:00 | 49 | 42025.0 | 7385.0 | 5340.62 | -2044.38 | 4.86 | 0.00 | 6.598 | 0.000000 |
| Walve 220kV | 06/01/2020 12:15:00 | 50 | 42025.0 | 7245.0 | 3965.62 | -3279.38 | 7.8 | 0.00 | 5.431 | 0.000000 |
| Walve 220kV | 06/01/2020 12:30:00 | 51 | 42025.0 | 6710.0 | 3515.62 | -3194.38 | 7.6 | 0.00 | 3.540 | 0.000000 |
| Walve 220kV | 06/01/2020 12:45:00 | 52 | 42025.0 | 6080.0 | 3218.75 | -2861.25 | 6.81 | 0.00 | -2.903 | 0.000000 |
| Walve 220kV | 06/01/2020 13:00:00 | 53 | 42025.0 | 6012.5 | 2409.38 | -3603.12 | 8.57 | 0.00 | -1.161 | 0.000000 |
| Walve 220kV | 06/01/2020 13:15:00 | 54 | 42025.0 | 6012.5 | 1353.12 | -4659.38 | 11.09 | 0.00 | 3.859 | 0.000000 |
| Walve 220kV | 06/01/2020 13:30:00 | 55 | 42025.0 | 5512.5 | 562.5 | -4950.0 | 11.78 | 0.00 | -6.407 | 0.000000 |
| Walve 220kV | 06/01/2020 13:45:00 | 56 | 42025.0 | 5417.5 | 340.62 | -5076.88 | 12.08 | 0.00 | 5.452 | 0.000000 |
| Walve 220kV | 06/01/2020 14:00:00 | 57 | 42025.0 | 5432.5 | 187.5 | -5245.0 | 12.48 | 0.00 | 5.452 | 0.000000 |
| Walve 220kV | 06/01/2020 14:15:00 | 58 | 42025.0 | 5430.0 | 18.75 | -5411.25 | 12.88 | 0.00 | 16.000 | 0.000000 |
| Walve 220kV | 06/01/2020 14:30:00 | 59 | 42025.0 | 5487.5 | 0.0 | -5487.5 | 13.06 | 0.00 | 6.035 | 0.000000 |
| Walve 220kV | 06/01/2020 14:45:00 | 60 | 42025.0 | 5547.5 | 0.0 | -5547.5 | 13.2 | 0.00 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walve 220kV | 06/01/2020 15:00:00 | 61 | 42025.0 | 5417.5 | 0.0 | -5417.5 | 12.89 | 0.00 | 3.367 | 0.000000 |
| Walve 220kV | 06/01/2020 15:15:00 | 62 | 42025.0 | 5512.5 | 9.38 | -5503.12 | 13.09 | 0.00 | 3.904 | 0.000000 |
| Walve 220kV | 06/01/2020 15:30:00 | 63 | 42025.0 | 5230.0 | 9.38 | -5220.62 | 12.42 | 0.00 | 4.482 | 0.000000 |
| Walve 220kV | 06/01/2020 15:45:00 | 64 | 42025.0 | 5395.0 | 87.5 | -5307.5 | 12.63 | 0.00 | 4.225 | 0.000000 |
| Walve 220kV | 06/01/2020 16:00:00 | 65 | 42025.0 | 5512.5 | 690.62 | -4821.88 | 11.47 | 0.00 | 2.895 | 0.000000 |
| Walve 220kV | 06/01/2020 16:15:00 | 66 | 42025.0 | 5512.5 | 1812.5 | -3700.0 | 8.8 | 0.00 | 6.089 | 0.000000 |
| Walve 220kV | 06/01/2020 16:30:00 | 67 | 42025.0 | 5512.5 | 2671.88 | -2840.62 | 6.76 | 0.00 | -8.000 | 0.000000 |
| Walve 220kV | 06/01/2020 16:45:00 | 68 | 42025.0 | 5417.5 | 3181.25 | -2236.25 | 5.32 | 0.00 | -4.178 | 0.000000 |
| Walve 220kV | 06/01/2020 17:00:00 | 69 | 42025.0 | 5512.5 | 3221.88 | -2290.62 | 5.45 | 0.00 | 1.742 | 0.000000 |
| Walve 220kV | 06/01/2020 17:15:00 | 70 | 42025.0 | 5417.5 | 2687.5 | -2730.0 | 6.5 | 0.00 | 2.903 | 0.000000 |
| Walve 220kV | 06/01/2020 17:30:00 | 71 | 42025.0 | 5432.5 | 2212.5 | -3220.0 | 7.66 | 0.00 | -4.178 | 0.000000 |
| Walve 220kV | 06/01/2020 17:45:00 | 72 | 42025.0 | 5430.0 | 2015.62 | -3414.38 | 8.12 | 0.00 | -2.323 | 0.000000 |
| Walve 220kV | 06/01/2020 18:00:00 | 73 | 42025.0 | 5487.5 | 1596.88 | -3890.62 | 9.26 | 0.00 | -2.903 | 0.000000 |
| Walve 220kV | 06/01/2020 18:15:00 | 74 | 42025.0 | 5547.5 | 1109.38 | -4438.12 | 10.56 | 0.00 | 1.161 | 1154.175233 |
| Walve 220kV | 06/01/2020 18:30:00 | 75 | 42025.0 | 5417.5 | 812.5 | -4605.0 | 10.96 | 0.00 | 2.903 | 3922.233403 |
| Walve 220kV | 06/01/2020 18:45:00 | 76 | 42025.0 | 5487.5 | 828.12 | -4659.38 | 11.09 | 0.00 | 2.903 | 93.948106 |
| Walve 220kV | 06/01/2020 19:00:00 | 77 | 42025.0 | 5547.5 | 1134.38 | -4413.12 | 10.5 | 0.00 | -1.161 | 0.000000 |
| Walve 220kV | 06/01/2020 19:15:00 | 78 | 42025.0 | 5417.5 | 1503.12 | -3914.38 | 9.31 | 0.00 | -4.178 | 0.000000 |
| Walve 220kV | 06/01/2020 19:30:00 | 79 | 42025.0 | 5512.5 | 1737.5 | -3775.0 | 8.98 | 0.00 | -2.323 | 0.000000 |
| Walve 220kV | 06/01/2020 19:45:00 | 80 | 42025.0 | 5230.0 | 1856.25 | -3373.75 | 8.03 | 0.00 | -4.178 | 0.000000 |
| Walve 220kV | 06/01/2020 20:00:00 | 81 | 42025.0 | 5395.0 | 1837.5 | -3557.5 | 8.47 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walve 220kV | 06/01/2020 20:15:00 | 82 | 42025.0 | 5512.5 | 1771.88 | -3740.62 | 8.9 | 0.00 | -5.770 | 0.000000 |
| Walve 220kV | 06/01/2020 20:30:00 | 83 | 42025.0 | 5512.5 | 1731.25 | -3781.25 | 9.0 | 0.00 | 5.770 | 515.207325 |
| Walve 220kV | 06/01/2020 20:45:00 | 84 | 42025.0 | 5512.5 | 1640.62 | -3871.88 | 9.21 | 0.00 | 4.178 | 1601.228940 |
| Walve 220kV | 06/01/2020 21:00:00 | 85 | 42025.0 | 5417.5 | 1815.62 | -3601.88 | 8.57 | 0.00 | 3.222 | 788.010100 |
| Walve 220kV | 06/01/2020 21:15:00 | 86 | 42025.0 | 5432.5 | 2331.25 | -3101.25 | 7.38 | 0.00 | -1.742 | 0.000000 |
| Walve 220kV | 06/01/2020 21:30:00 | 87 | 42025.0 | 5430.0 | 2821.88 | -2608.12 | 6.21 | 0.00 | 0.000 | 0.000000 |
| Walve 220kV | 06/01/2020 21:45:00 | 88 | 42025.0 | 5487.5 | 3090.62 | -2396.88 | 5.7 | 0.00 | 1.161 | 0.000000 |
| Walve 220kV | 06/01/2020 22:00:00 | 89 | 42025.0 | 5547.5 | 3143.75 | -2403.75 | 5.72 | 0.00 | 4.815 | 1407.460707 |
| Walve 220kV | 06/01/2020 22:15:00 | 90 | 42025.0 | 5417.5 | 3065.62 | -2351.88 | 5.6 | 0.00 | 3.859 | 1420.773202 |
| Walve 220kV | 06/01/2020 22:30:00 | 91 | 42025.0 | 5512.5 | 2987.5 | -2525.0 | 6.01 | 0.00 | 1.742 | 0.000000 |
| Walve 220kV | 06/01/2020 22:45:00 | 92 | 42025.0 | 5512.5 | 3300.0 | -2212.5 | 5.26 | 0.00 | -2.323 | 0.000000 |
| Walve 220kV | 06/01/2020 23:00:00 | 93 | 42025.0 | 5417.5 | 3640.62 | -1776.88 | 4.23 | 0.00 | -2.903 | 0.000000 |
| Walve 220kV | 06/01/2020 23:15:00 | 94 | 42025.0 | 5432.5 | 3993.75 | -1438.75 | 3.42 | 0.00 | 2.323 | 0.000000 |
| Walve 220kV | 06/01/2020 23:30:00 | 95 | 42025.0 | 5430.0 | 4021.88 | -1408.12 | 3.35 | 0.00 | -3.222 | 0.000000 |
| Walve 220kV | 06/01/2020 23:45:00 | 96 | 42025.0 | 5487.5 | 4590.62 | -896.88 | 2.13 | 0.00 | 2.323 | 0.000000 |
| Walve 220kV | 07/01/2020 00:00:00 | 1 | 42025.0 | 5812.5 | 5287.5 | -525.0 | 1.25 | 0.00 | -0.549 | 0.000000 |
| Walve 220kV | 07/01/2020 00:15:00 | 2 | 42025.0 | 5862.5 | 5721.88 | -140.62 | 0.33 | 0.00 | -1.647 | 0.000000 |
| Walve 220kV | 07/01/2020 00:30:00 | 3 | 42025.0 | 5812.5 | 6218.75 | 406.25 | 0.97 | 0.00 | -3.073 | 0.000000 |
| Walve 220kV | 07/01/2020 00:45:00 | 4 | 42025.0 | 5787.5 | 6887.5 | 1100.0 | 2.62 | 0.00 | -2.744 | 0.000000 |
| Walve 220kV | 07/01/2020 01:00:00 | 5 | 42025.0 | 5995.0 | 6671.88 | 676.88 | 1.61 | 0.00 | -4.058 | 0.000000 |
| Walve 220kV | 07/01/2020 01:15:00 | 6 | 42025.0 | 5787.5 | 5959.38 | 171.88 | 0.41 | 0.00 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walve 220kV | 07/01/2020 01:30:00 | 7 | 42025.0 | 5912.5 | 5821.88 | -90.62 | 0.22 | 0.00 | -3.401 | 0.000000 |
| Walve 220kV | 07/01/2020 01:45:00 | 8 | 42025.0 | 5812.5 | 6556.25 | 743.75 | 1.77 | 0.00 | 3.730 | 0.000000 |
| Walve 220kV | 07/01/2020 02:00:00 | 9 | 42025.0 | 5857.5 | 7228.12 | 1370.62 | 3.26 | 0.00 | 3.073 | 0.000000 |
| Walve 220kV | 07/01/2020 02:15:00 | 10 | 42025.0 | 5912.5 | 7971.88 | 2059.38 | 4.9 | 0.00 | 3.073 | 0.000000 |
| Walve 220kV | 07/01/2020 02:30:00 | 11 | 42025.0 | 5812.5 | 8234.38 | 2421.88 | 5.76 | 0.00 | 3.401 | 0.000000 |
| Walve 220kV | 07/01/2020 02:45:00 | 12 | 42025.0 | 5862.5 | 7850.0 | 1987.5 | 4.73 | 0.00 | 2.745 | 0.000000 |
| Walve 220kV | 07/01/2020 03:00:00 | 13 | 42025.0 | 5812.5 | 7800.0 | 1987.5 | 4.73 | 0.00 | 1.647 | 0.000000 |
| Walve 220kV | 07/01/2020 03:15:00 | 14 | 42025.0 | 5787.5 | 7865.62 | 2078.12 | 4.94 | 0.00 | 2.196 | 0.000000 |
| Walve 220kV | 07/01/2020 03:30:00 | 15 | 42025.0 | 5995.0 | 7956.25 | 1961.25 | 4.67 | 0.00 | 1.647 | 0.000000 |
| Walve 220kV | 07/01/2020 03:45:00 | 16 | 42025.0 | 5787.5 | 8025.0 | 2237.5 | 5.32 | 0.00 | 1.098 | 0.000000 |
| Walve 220kV | 07/01/2020 04:00:00 | 17 | 42025.0 | 5912.5 | 8315.62 | 2403.12 | 5.72 | 0.00 | 1.647 | 0.000000 |
| Walve 220kV | 07/01/2020 04:15:00 | 18 | 42025.0 | 5812.5 | 8043.75 | 2231.25 | 5.31 | 0.00 | 2.210 | 0.000000 |
| Walve 220kV | 07/01/2020 04:30:00 | 19 | 42025.0 | 5857.5 | 7675.0 | 1817.5 | 4.32 | 0.00 | 3.730 | 0.000000 |
| Walve 220kV | 07/01/2020 04:45:00 | 20 | 42025.0 | 5912.5 | 7456.25 | 1543.75 | 3.67 | 0.00 | -1.098 | 0.000000 |
| Walve 220kV | 07/01/2020 05:00:00 | 21 | 42025.0 | 5812.5 | 7559.38 | 1746.88 | 4.16 | 0.00 | -2.744 | 0.000000 |
| Walve 220kV | 07/01/2020 05:15:00 | 22 | 42025.0 | 5862.5 | 7406.25 | 1543.75 | 3.67 | 0.00 | 3.730 | 0.000000 |
| Walve 220kV | 07/01/2020 05:30:00 | 23 | 42025.0 | 5812.5 | 6534.38 | 721.88 | 1.72 | 0.00 | 3.073 | 0.000000 |
| Walve 220kV | 07/01/2020 05:45:00 | 24 | 42025.0 | 5787.5 | 5528.12 | -259.38 | 0.62 | 0.00 | 3.730 | 232.549775 |
| Walve 220kV | 07/01/2020 06:00:00 | 25 | 42025.0 | 5995.0 | 5415.62 | -579.38 | 1.38 | 0.00 | -5.372 | 0.000000 |
| Walve 220kV | 07/01/2020 06:15:00 | 26 | 42025.0 | 5787.5 | 6109.38 | 321.88 | 0.77 | 0.00 | 4.556 | 0.000000 |
| Walve 220kV | 07/01/2020 06:30:00 | 27 | 42025.0 | 5912.5 | 6621.88 | 709.38 | 1.69 | 0.00 | 7.148 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walve 220kV | 07/01/2020 06:45:00 | 28 | 42025.0 | 5812.5 | 6203.12 | 390.62 | 0.93 | 0.00 | 7.821 | 0.000000 |
| Walve 220kV | 07/01/2020 07:00:00 | 29 | 42025.0 | 5857.5 | 6071.88 | 214.38 | 0.51 | 0.00 | 5.372 | 0.000000 |
| Walve 220kV | 07/01/2020 07:15:00 | 30 | 42025.0 | 5912.5 | 6518.75 | 606.25 | 1.44 | 0.00 | 16.000 | 0.000000 |
| Walve 220kV | 07/01/2020 07:30:00 | 31 | 42025.0 | 5812.5 | 7200.0 | 1387.5 | 3.3 | 0.00 | 9.296 | 0.000000 |
| Walve 220kV | 07/01/2020 07:45:00 | 32 | 42025.0 | 5862.5 | 8190.62 | 2328.12 | 5.54 | 0.00 | 9.794 | 0.000000 |
| Walve 220kV | 07/01/2020 08:00:00 | 33 | 42025.0 | 5812.5 | 8221.88 | 2409.38 | 5.73 | 0.00 | 3.593 | 0.000000 |
| Walve 220kV | 07/01/2020 08:15:00 | 34 | 42025.0 | 5787.5 | 8281.25 | 2493.75 | 5.93 | 0.00 | 3.401 | 0.000000 |
| Walve 220kV | 07/01/2020 08:30:00 | 35 | 42025.0 | 5995.0 | 8928.12 | 2933.12 | 6.98 | 0.00 | 3.245 | 0.000000 |
| Walve 220kV | 07/01/2020 08:45:00 | 36 | 42025.0 | 5787.5 | 9321.88 | 3534.38 | 8.41 | 0.00 | 0.000 | 0.000000 |
| Walve 220kV | 07/01/2020 09:00:00 | 37 | 42025.0 | 5912.5 | 9518.75 | 3606.25 | 8.58 | 0.00 | 2.745 | 0.000000 |
| Walve 220kV | 07/01/2020 09:15:00 | 38 | 42025.0 | 5812.5 | 9362.5 | 3550.0 | 8.45 | 0.00 | 4.715 | 0.000000 |
| Walve 220kV | 07/01/2020 09:30:00 | 39 | 42025.0 | 5857.5 | 8265.62 | 2408.12 | 5.73 | 0.00 | 3.981 | 0.000000 |
| Walve 220kV | 07/01/2020 09:45:00 | 40 | 42025.0 | 5912.5 | 6925.0 | 1012.5 | 2.41 | 0.00 | 3.730 | 0.000000 |
| Walve 220kV | 07/01/2020 10:00:00 | 41 | 42025.0 | 5812.5 | 6493.75 | 681.25 | 1.62 | 0.00 | 1.780 | 0.000000 |
| Walve 220kV | 07/01/2020 10:15:00 | 42 | 42025.0 | 8035.0 | 7084.38 | -950.62 | 2.26 | 0.00 | 5.643 | 0.000000 |
| Walve 220kV | 07/01/2020 10:30:00 | 43 | 42025.0 | 7552.5 | 7646.88 | 94.38 | 0.22 | 0.00 | 4.976 | 0.000000 |
| Walve 220kV | 07/01/2020 10:45:00 | 44 | 42025.0 | 7127.5 | 7478.12 | 350.62 | 0.83 | 0.00 | 4.415 | 0.000000 |
| Walve 220kV | 07/01/2020 11:00:00 | 45 | 42025.0 | 7102.5 | 6756.25 | -346.25 | 0.82 | 0.00 | 4.476 | 0.000000 |
| Walve 220kV | 07/01/2020 11:15:00 | 46 | 42025.0 | 6807.5 | 6131.25 | -676.25 | 1.61 | 0.00 | 4.826 | 0.000000 |
| Walve 220kV | 07/01/2020 11:30:00 | 47 | 42025.0 | 6855.0 | 6021.88 | -833.12 | 1.98 | 0.00 | 2.289 | 0.000000 |
| Walve 220kV | 07/01/2020 11:45:00 | 48 | 42025.0 | 6585.0 | 5915.62 | -669.38 | 1.59 | 0.00 | -0.549 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walve 220kV | 07/01/2020 12:00:00 | 49 | 42025.0 | 5857.5 | 4603.12 | -1254.38 | 2.98 | 0.00 | 4.727 | 0.000000 |
| Walve 220kV | 07/01/2020 12:15:00 | 50 | 42025.0 | 5912.5 | 2628.12 | -3284.38 | 7.82 | 0.00 | 4.777 | 0.000000 |
| Walve 220kV | 07/01/2020 12:30:00 | 51 | 42025.0 | 5812.5 | 1637.5 | -4175.0 | 9.93 | 0.00 | 4.798 | 0.000000 |
| Walve 220kV | 07/01/2020 12:45:00 | 52 | 42025.0 | 5862.5 | 1434.38 | -4428.12 | 10.54 | 0.00 | -3.401 | 0.000000 |
| Walve 220kV | 07/01/2020 13:00:00 | 53 | 42025.0 | 5812.5 | 1190.62 | -4621.88 | 11.0 | 0.00 | -2.431 | 0.000000 |
| Walve 220kV | 07/01/2020 13:15:00 | 54 | 42025.0 | 5787.5 | 921.88 | -4865.62 | 11.58 | 0.00 | -4.387 | 0.000000 |
| Walve 220kV | 07/01/2020 13:30:00 | 55 | 42025.0 | 5995.0 | 862.5 | -5132.5 | 12.21 | 0.00 | -3.401 | 0.000000 |
| Walve 220kV | 07/01/2020 13:45:00 | 56 | 42025.0 | 5787.5 | 728.12 | -5059.38 | 12.04 | 0.00 | -5.044 | 0.000000 |
| Walve 220kV | 07/01/2020 14:00:00 | 57 | 42025.0 | 5912.5 | 443.75 | -5468.75 | 13.01 | 0.00 | 4.215 | 0.000000 |
| Walve 220kV | 07/01/2020 14:15:00 | 58 | 42025.0 | 5812.5 | 268.75 | -5543.75 | 13.19 | 0.00 | 9.552 | 0.000000 |
| Walve 220kV | 07/01/2020 14:30:00 | 59 | 42025.0 | 5857.5 | 271.88 | -5585.62 | 13.29 | 0.00 | 6.358 | 0.000000 |
| Walve 220kV | 07/01/2020 14:45:00 | 60 | 42025.0 | 5912.5 | 409.38 | -5503.12 | 13.09 | 0.00 | 2.744 | 0.000000 |
| Walve 220kV | 07/01/2020 15:00:00 | 61 | 42025.0 | 5417.5 | 856.25 | -4561.25 | 10.85 | 0.00 | -3.073 | 0.000000 |
| Walve 220kV | 07/01/2020 15:15:00 | 62 | 42025.0 | 5512.5 | 1093.75 | -4418.75 | 10.51 | 0.00 | -4.058 | 0.000000 |
| Walve 220kV | 07/01/2020 15:30:00 | 63 | 42025.0 | 5230.0 | 909.38 | -4320.62 | 10.28 | 0.00 | -4.831 | 0.000000 |
| Walve 220kV | 07/01/2020 15:45:00 | 64 | 42025.0 | 5395.0 | 765.62 | -4629.38 | 11.02 | 0.00 | -5.372 | 0.000000 |
| Walve 220kV | 07/01/2020 16:00:00 | 65 | 42025.0 | 5512.5 | 790.62 | -4721.88 | 11.24 | 0.00 | 2.196 | 0.000000 |
| Walve 220kV | 07/01/2020 16:15:00 | 66 | 42025.0 | 5512.5 | 653.12 | -4859.38 | 11.56 | 0.00 | -3.401 | 0.000000 |
| Walve 220kV | 07/01/2020 16:30:00 | 67 | 42025.0 | 5512.5 | 312.5 | -5200.0 | 12.37 | 0.00 | 4.738 | 0.000000 |
| Walve 220kV | 07/01/2020 16:45:00 | 68 | 42025.0 | 5417.5 | 103.12 | -5314.38 | 12.65 | 0.00 | 7.343 | 0.000000 |
| Walve 220kV | 07/01/2020 17:00:00 | 69 | 42025.0 | 5512.5 | 25.0 | -5487.5 | 13.06 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walve 220kV | 07/01/2020 17:15:00 | 70 | 42025.0 | 5417.5 | 0.0 | -5417.5 | 12.89 | 0.00 | 2.744 | 901.180144 |
| Walve 220kV | 07/01/2020 17:30:00 | 71 | 42025.0 | 5432.5 | 0.0 | -5432.5 | 12.93 | 0.00 | 3.401 | 358.704912 |
| Walve 220kV | 07/01/2020 17:45:00 | 72 | 42025.0 | 5430.0 | 0.0 | -5430.0 | 12.92 | 0.00 | -2.745 | 0.000000 |
| Walve 220kV | 07/01/2020 18:00:00 | 73 | 42025.0 | 5487.5 | 0.0 | -5487.5 | 13.06 | 0.00 | -3.073 | 0.000000 |
| Walve 220kV | 07/01/2020 18:15:00 | 74 | 42025.0 | 5547.5 | 0.0 | -5547.5 | 13.2 | 0.00 | -5.372 | 0.000000 |
| Walve 220kV | 07/01/2020 18:30:00 | 75 | 42025.0 | 5417.5 | 0.0 | -5417.5 | 12.89 | 0.00 | 3.401 | 0.000000 |
| Walve 220kV | 07/01/2020 18:45:00 | 76 | 42025.0 | 5487.5 | 0.0 | -5487.5 | 13.06 | 0.00 | -3.401 | 0.000000 |
| Walve 220kV | 07/01/2020 19:00:00 | 77 | 42025.0 | 5547.5 | 0.0 | -5547.5 | 13.2 | 0.00 | -3.730 | 0.000000 |
| Walve 220kV | 07/01/2020 19:15:00 | 78 | 42025.0 | 5417.5 | 0.0 | -5417.5 | 12.89 | 0.00 | -4.715 | 0.000000 |
| Walve 220kV | 07/01/2020 19:30:00 | 79 | 42025.0 | 5512.5 | 0.0 | -5512.5 | 13.12 | 0.00 | -4.058 | 0.000000 |
| Walve 220kV | 07/01/2020 19:45:00 | 80 | 42025.0 | 5230.0 | 0.0 | -5230.0 | 12.44 | 0.00 | -2.210 | 0.000000 |
| Walve 220kV | 07/01/2020 20:00:00 | 81 | 42025.0 | 5395.0 | 0.0 | -5395.0 | 12.84 | 0.00 | -2.348 | 0.000000 |
| Walve 220kV | 07/01/2020 20:15:00 | 82 | 42025.0 | 5512.5 | 0.0 | -5512.5 | 13.12 | 0.00 | 4.387 | 8603.094071 |
| Walve 220kV | 07/01/2020 20:30:00 | 83 | 42025.0 | 5512.5 | 0.0 | -5512.5 | 13.12 | 0.00 | 3.816 | 11249.298396 |
| Walve 220kV | 07/01/2020 20:45:00 | 84 | 42025.0 | 5512.5 | 3.12 | -5509.38 | 13.11 | 0.00 | 3.401 | 2706.956919 |
| Walve 220kV | 07/01/2020 21:00:00 | 85 | 42025.0 | 5417.5 | 118.75 | -5298.75 | 12.61 | 0.00 | -4.058 | 0.000000 |
| Walve 220kV | 07/01/2020 21:15:00 | 86 | 42025.0 | 5432.5 | 159.38 | -5273.12 | 12.55 | 0.00 | 1.647 | 2794.938711 |
| Walve 220kV | 07/01/2020 21:30:00 | 87 | 42025.0 | 5430.0 | 115.62 | -5314.38 | 12.65 | 0.00 | 2.196 | 1694.670802 |
| Walve 220kV | 07/01/2020 21:45:00 | 88 | 42025.0 | 5487.5 | 253.12 | -5234.38 | 12.46 | 0.00 | -2.196 | 0.000000 |
| Walve 220kV | 07/01/2020 22:00:00 | 89 | 42025.0 | 5547.5 | 503.12 | -5044.38 | 12.0 | 0.00 | -3.257 | 0.000000 |
| Walve 220kV | 07/01/2020 22:15:00 | 90 | 42025.0 | 5417.5 | 931.25 | -4486.25 | 10.68 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walve 220kV | 07/01/2020 22:30:00 | 91 | 42025.0 | 5512.5 | 1678.12 | -3834.38 | 9.12 | 0.00 | -1.098 | 0.000000 |
| Walve 220kV | 07/01/2020 22:45:00 | 92 | 42025.0 | 5512.5 | 1931.25 | -3581.25 | 8.52 | 0.00 | -1.647 | 0.000000 |
| Walve 220kV | 07/01/2020 23:00:00 | 93 | 42025.0 | 5417.5 | 1503.12 | -3914.38 | 9.31 | 0.00 | -3.401 | 0.000000 |
| Walve 220kV | 07/01/2020 23:15:00 | 94 | 42025.0 | 5432.5 | 1206.25 | -4226.25 | 10.06 | 0.00 | 1.647 | 0.000000 |
| Walve 220kV | 07/01/2020 23:30:00 | 95 | 42025.0 | 5430.0 | 1437.5 | -3992.5 | 9.5 | 0.00 | -2.196 | 0.000000 |
| Walve 220kV | 07/01/2020 23:45:00 | 96 | 42025.0 | 5487.5 | 1509.38 | -3978.12 | 9.47 | 0.00 | -0.549 | 0.000000 |
| Walve 220kV | 08/01/2020 00:00:00 | 1 | 42025.0 | 5812.5 | 1640.62 | -4171.88 | 9.93 | 0.00 | -2.220 | 0.000000 |
| Walve 220kV | 08/01/2020 00:15:00 | 2 | 42025.0 | 5862.5 | 1471.88 | -4390.62 | 10.45 | 0.00 | -3.101 | 0.000000 |
| Walve 220kV | 08/01/2020 00:30:00 | 3 | 42025.0 | 5812.5 | 1221.88 | -4590.62 | 10.92 | 0.00 | -3.101 | 0.000000 |
| Walve 220kV | 08/01/2020 00:45:00 | 4 | 42025.0 | 5787.5 | 1418.75 | -4368.75 | 10.4 | 0.00 | -2.424 | 0.000000 |
| Walve 220kV | 08/01/2020 01:00:00 | 5 | 42025.0 | 5995.0 | 1146.88 | -4848.12 | 11.54 | 0.00 | -2.170 | 0.000000 |
| Walve 220kV | 08/01/2020 01:15:00 | 6 | 42025.0 | 5787.5 | 1053.12 | -4734.38 | 11.27 | 0.00 | -1.761 | 0.000000 |
| Walve 220kV | 08/01/2020 01:30:00 | 7 | 42025.0 | 5912.5 | 934.38 | -4978.12 | 11.85 | 0.00 | -1.665 | 0.000000 |
| Walve 220kV | 08/01/2020 01:45:00 | 8 | 42025.0 | 5812.5 | 1403.12 | -4409.38 | 10.49 | 0.00 | -1.665 | 0.000000 |
| Walve 220kV | 08/01/2020 02:00:00 | 9 | 42025.0 | 5857.5 | 2334.38 | -3523.12 | 8.38 | 0.00 | -1.110 | 0.000000 |
| Walve 220kV | 08/01/2020 02:15:00 | 10 | 42025.0 | 5912.5 | 2806.25 | -3106.25 | 7.39 | 0.00 | -1.347 | 0.000000 |
| Walve 220kV | 08/01/2020 02:30:00 | 11 | 42025.0 | 5812.5 | 3231.25 | -2581.25 | 6.14 | 0.00 | -3.101 | 0.000000 |
| Walve 220kV | 08/01/2020 02:45:00 | 12 | 42025.0 | 5862.5 | 3628.12 | -2234.38 | 5.32 | 0.00 | -2.220 | 0.000000 |
| Walve 220kV | 08/01/2020 03:00:00 | 13 | 42025.0 | 5812.5 | 3443.75 | -2368.75 | 5.64 | 0.00 | -3.428 | 0.000000 |
| Walve 220kV | 08/01/2020 03:15:00 | 14 | 42025.0 | 5787.5 | 3012.5 | -2775.0 | 6.6 | 0.00 | -2.220 | 0.000000 |
| Walve 220kV | 08/01/2020 03:30:00 | 15 | 42025.0 | 5995.0 | 2459.38 | -3535.62 | 8.41 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walve 220kV | 08/01/2020 03:45:00 | 16 | 42025.0 | 5787.5 | 1871.88 | -3915.62 | 9.32 | 0.00 | -2.775 | 0.000000 |
| Walve 220kV | 08/01/2020 04:00:00 | 17 | 42025.0 | 5912.5 | 1634.38 | -4278.12 | 10.18 | 0.00 | -3.101 | 0.000000 |
| Walve 220kV | 08/01/2020 04:15:00 | 18 | 42025.0 | 5812.5 | 1553.12 | -4259.38 | 10.14 | 0.00 | -1.665 | 0.000000 |
| Walve 220kV | 08/01/2020 04:30:00 | 19 | 42025.0 | 5857.5 | 1150.0 | -4707.5 | 11.2 | 0.00 | -2.220 | 0.000000 |
| Walve 220kV | 08/01/2020 04:45:00 | 20 | 42025.0 | 5912.5 | 784.38 | -5128.12 | 12.2 | 0.00 | -2.775 | 0.000000 |
| Walve 220kV | 08/01/2020 05:00:00 | 21 | 42025.0 | 5812.5 | 721.88 | -5090.62 | 12.11 | 0.00 | -1.110 | 0.000000 |
| Walve 220kV | 08/01/2020 05:15:00 | 22 | 42025.0 | 5862.5 | 743.75 | -5118.75 | 12.18 | 0.00 | 2.775 | 246.662616 |
| Walve 220kV | 08/01/2020 05:30:00 | 23 | 42025.0 | 5812.5 | 890.62 | -4921.88 | 11.71 | 0.00 | -3.428 | 0.000000 |
| Walve 220kV | 08/01/2020 05:45:00 | 24 | 42025.0 | 5787.5 | 881.25 | -4906.25 | 11.67 | 0.00 | -2.775 | 0.000000 |
| Walve 220kV | 08/01/2020 06:00:00 | 25 | 42025.0 | 5995.0 | 671.88 | -5323.12 | 12.67 | 0.00 | -2.220 | 0.000000 |
| Walve 220kV | 08/01/2020 06:15:00 | 26 | 42025.0 | 5787.5 | 506.25 | -5281.25 | 12.57 | 0.00 | 2.220 | 1081.309168 |
| Walve 220kV | 08/01/2020 06:30:00 | 27 | 42025.0 | 5912.5 | 300.0 | -5612.5 | 13.36 | 0.00 | 5.387 | 10102.288599 |
| Walve 220kV | 08/01/2020 06:45:00 | 28 | 42025.0 | 5812.5 | 240.62 | -5571.88 | 13.26 | 0.00 | -4.734 | 0.000000 |
| Walve 220kV | 08/01/2020 07:00:00 | 29 | 42025.0 | 5857.5 | 596.88 | -5260.62 | 12.52 | 0.00 | -4.407 | 0.000000 |
| Walve 220kV | 08/01/2020 07:15:00 | 30 | 42025.0 | 5912.5 | 950.0 | -4962.5 | 11.81 | 0.00 | 5.061 | 8746.820881 |
| Walve 220kV | 08/01/2020 07:30:00 | 31 | 42025.0 | 5812.5 | 971.88 | -4840.62 | 11.52 | 0.00 | 5.714 | 8163.706607 |
| Walve 220kV | 08/01/2020 07:45:00 | 32 | 42025.0 | 5862.5 | 1046.88 | -4815.62 | 11.46 | 0.00 | 5.061 | 3192.921739 |
| Walve 220kV | 08/01/2020 08:00:00 | 33 | 42025.0 | 5812.5 | 900.0 | -4912.5 | 11.69 | 0.00 | 2.775 | 0.000000 |
| Walve 220kV | 08/01/2020 08:15:00 | 34 | 42025.0 | 5787.5 | 784.38 | -5003.12 | 11.91 | 0.00 | 2.775 | 0.000000 |
| Walve 220kV | 08/01/2020 08:30:00 | 35 | 42025.0 | 5995.0 | 1150.0 | -4845.0 | 11.53 | 0.00 | 5.387 | 0.000000 |
| Walve 220kV | 08/01/2020 08:45:00 | 36 | 42025.0 | 5787.5 | 1609.38 | -4178.12 | 9.94 | 0.00 | 16.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walve 220kV | 08/01/2020 09:00:00 | 37 | 42025.0 | 5912.5 | 1409.38 | -4503.12 | 10.72 | 0.00 | 7.673 | 0.000000 |
| Walve 220kV | 08/01/2020 09:15:00 | 38 | 42025.0 | 5812.5 | 1406.25 | -4406.25 | 10.48 | 0.00 | 7.673 | 0.000000 |
| Walve 220kV | 08/01/2020 09:30:00 | 39 | 42025.0 | 5857.5 | 1603.12 | -4254.38 | 10.12 | 0.00 | 3.101 | 0.000000 |
| Walve 220kV | 08/01/2020 09:45:00 | 40 | 42025.0 | 5912.5 | 1609.38 | -4303.12 | 10.24 | 0.00 | -3.101 | 0.000000 |
| Walve 220kV | 08/01/2020 10:00:00 | 41 | 42025.0 | 5812.5 | 2075.0 | -3737.5 | 8.89 | 0.00 | -3.101 | 0.000000 |
| Walve 220kV | 08/01/2020 10:15:00 | 42 | 42025.0 | 5912.5 | 3015.62 | -2896.88 | 6.89 | 0.00 | -3.101 | 0.000000 |
| Walve 220kV | 08/01/2020 10:30:00 | 43 | 42025.0 | 5812.5 | 4600.0 | -1212.5 | 2.89 | 0.00 | -1.665 | 0.000000 |
| Walve 220kV | 08/01/2020 10:45:00 | 44 | 42025.0 | 5862.5 | 6509.38 | 646.88 | 1.54 | 0.00 | 0.000 | 0.000000 |
| Walve 220kV | 08/01/2020 11:00:00 | 45 | 42025.0 | 5812.5 | 7034.38 | 1221.88 | 2.91 | 0.00 | -1.486 | -416.974391 |
| Walve 220kV | 08/01/2020 11:15:00 | 46 | 42025.0 | 5787.5 | 6175.0 | 387.5 | 0.92 | 0.00 | -1.305 | -177.415388 |
| Walve 220kV | 08/01/2020 11:30:00 | 47 | 42025.0 | 5995.0 | 6146.88 | 151.88 | 0.36 | 0.00 | -2.425 | -61.165610 |
| Walve 220kV | 08/01/2020 11:45:00 | 48 | 42025.0 | 5787.5 | 5968.75 | 181.25 | 0.43 | 0.00 | -2.775 | -65.609229 |
| Walve 220kV | 08/01/2020 12:00:00 | 49 | 42025.0 | 5912.5 | 5437.5 | -475.0 | 1.13 | 0.00 | -2.083 | 0.000000 |
| Walve 220kV | 08/01/2020 12:15:00 | 50 | 42025.0 | 5812.5 | 5778.12 | -34.38 | 0.08 | 0.00 | -3.242 | 0.000000 |
| Walve 220kV | 08/01/2020 12:30:00 | 51 | 42025.0 | 5857.5 | 5750.0 | -107.5 | 0.26 | 0.00 | -1.330 | 0.000000 |
| Walve 220kV | 08/01/2020 12:45:00 | 52 | 42025.0 | 5912.5 | 6109.38 | 196.88 | 0.47 | 0.00 | -0.830 | -37.441976 |
| Walve 220kV | 08/01/2020 13:00:00 | 53 | 42025.0 | 5812.5 | 6853.12 | 1040.62 | 2.48 | 0.00 | 2.775 | 0.000000 |
| Walve 220kV | 08/01/2020 13:15:00 | 54 | 42025.0 | 5862.5 | 8040.62 | 2178.12 | 5.18 | 0.00 | 0.000 | 0.000000 |
| Walve 220kV | 08/01/2020 13:30:00 | 55 | 42025.0 | 5812.5 | 9025.0 | 3212.5 | 7.64 | 0.00 | -1.012 | -280.518181 |
| Walve 220kV | 08/01/2020 13:45:00 | 56 | 42025.0 | 5787.5 | 9953.12 | 4165.62 | 9.91 | 0.00 | -1.087 | -420.067277 |
| Walve 220kV | 08/01/2020 14:00:00 | 57 | 42025.0 | 5995.0 | 11606.25 | 5611.25 | 13.35 | 0.00 | -3.101 | -1643.679657 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walve 220kV | 08/01/2020 14:15:00 | 58 | 42025.0 | 5787.5 | 13262.5 | 7475.0 | 17.79 | 585.63 | -4.081 | -1582.680209 |
| Walve 220kV | 08/01/2020 14:30:00 | 59 | 42025.0 | 7195.0 | 14018.75 | 6823.75 | 16.24 | 260.00 | -2.996 | -2760.677580 |
| Walve 220kV | 08/01/2020 14:45:00 | 60 | 42025.0 | 7112.5 | 15134.38 | 8021.88 | 19.09 | 859.07 | -3.101 | -1217.261952 |
| Walve 220kV | 08/01/2020 15:00:00 | 61 | 42025.0 | 7055.0 | 16012.5 | 8957.5 | 21.31 | 1326.88 | -1.879 | -2250.275951 |
| Walve 220kV | 08/01/2020 15:15:00 | 62 | 42025.0 | 6942.5 | 17250.0 | 10307.5 | 24.53 | 2001.88 | -4.081 | -362.581442 |
| Walve 220kV | 08/01/2020 15:30:00 | 63 | 42025.0 | 6827.5 | 17609.38 | 10781.88 | 25.66 | 2376.88 | 4.938 | 0.000000 |
| Walve 220kV | 08/01/2020 15:45:00 | 64 | 42025.0 | 6767.5 | 16843.75 | 10076.25 | 23.98 | 1886.25 | 4.719 | 0.000000 |
| Walve 220kV | 08/01/2020 16:00:00 | 65 | 42025.0 | 6705.0 | 15850.0 | 9145.0 | 21.76 | 1420.63 | 0.555 | 0.000000 |
| Walve 220kV | 08/01/2020 16:15:00 | 66 | 42025.0 | 6482.5 | 14790.62 | 8308.12 | 19.77 | 1002.19 | -4.081 | -3878.154117 |
| Walve 220kV | 08/01/2020 16:30:00 | 67 | 42025.0 | 15215.0 | 12212.5 | -3002.5 | 7.14 | 0.00 | -3.754 | 0.000000 |
| Walve 220kV | 08/01/2020 16:45:00 | 68 | 42025.0 | 15107.5 | 9787.5 | -5320.0 | 12.66 | 0.00 | -8.000 | 0.000000 |
| Walve 220kV | 08/01/2020 17:00:00 | 69 | 42025.0 | 15050.0 | 7487.5 | -7562.5 | 18.0 | 629.38 | 0.000 | 0.000000 |
| Walve 220kV | 08/01/2020 17:15:00 | 70 | 42025.0 | 14952.5 | 5928.12 | -9024.38 | 21.47 | 1360.32 | 4.081 | 1731.105131 |
| Walve 220kV | 08/01/2020 17:30:00 | 71 | 42025.0 | 14867.5 | 5637.5 | -9230.0 | 21.96 | 1463.13 | -5.387 | 0.000000 |
| Walve 220kV | 08/01/2020 17:45:00 | 72 | 42025.0 | 14782.5 | 5021.88 | -9760.62 | 23.23 | 1728.44 | -3.101 | 0.000000 |
| Walve 220kV | 08/01/2020 18:00:00 | 73 | 42025.0 | 8482.5 | 3937.5 | -4545.0 | 10.81 | 0.00 | -2.775 | 0.000000 |
| Walve 220kV | 08/01/2020 18:15:00 | 74 | 42025.0 | 8245.0 | 3437.5 | -4807.5 | 11.44 | 0.00 | -3.101 | 0.000000 |
| Walve 220kV | 08/01/2020 18:30:00 | 75 | 42025.0 | 8045.0 | 3471.88 | -4573.12 | 10.88 | 0.00 | -2.220 | 0.000000 |
| Walve 220kV | 08/01/2020 18:45:00 | 76 | 42025.0 | 7862.5 | 3465.62 | -4396.88 | 10.46 | 0.00 | 2.220 | 3465.948505 |
| Walve 220kV | 08/01/2020 19:00:00 | 77 | 42025.0 | 7677.5 | 3571.88 | -4105.62 | 9.77 | 0.00 | 1.110 | 0.000000 |
| Walve 220kV | 08/01/2020 19:15:00 | 78 | 42025.0 | 7545.0 | 3671.88 | -3873.12 | 9.22 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walve 220kV | 08/01/2020 19:30:00 | 79 | 42025.0 | 5512.5 | 4650.0 | -862.5 | 2.05 | 0.00 | -2.220 | 0.000000 |
| Walve 220kV | 08/01/2020 19:45:00 | 80 | 42025.0 | 5230.0 | 5390.62 | 160.62 | 0.38 | 0.00 | -0.555 | 0.000000 |
| Walve 220kV | 08/01/2020 20:00:00 | 81 | 42025.0 | 5395.0 | 5106.25 | -288.75 | 0.69 | 0.00 | 2.775 | 0.000000 |
| Walve 220kV | 08/01/2020 20:15:00 | 82 | 42025.0 | 5512.5 | 5025.0 | -487.5 | 1.16 | 0.00 | 3.101 | 815.139695 |
| Walve 220kV | 08/01/2020 20:30:00 | 83 | 42025.0 | 5512.5 | 4690.62 | -821.88 | 1.96 | 0.00 | 4.408 | 1861.729809 |
| Walve 220kV | 08/01/2020 20:45:00 | 84 | 42025.0 | 5512.5 | 3750.0 | -1762.5 | 4.19 | 0.00 | 3.101 | 1153.379890 |
| Walve 220kV | 08/01/2020 21:00:00 | 85 | 42025.0 | 5417.5 | 2740.62 | -2676.88 | 6.37 | 0.00 | 3.101 | 0.000000 |
| Walve 220kV | 08/01/2020 21:15:00 | 86 | 42025.0 | 5432.5 | 2453.12 | -2979.38 | 7.09 | 0.00 | -0.555 | 0.000000 |
| Walve 220kV | 08/01/2020 21:30:00 | 87 | 42025.0 | 5430.0 | 2618.75 | -2811.25 | 6.69 | 0.00 | -1.110 | 0.000000 |
| Walve 220kV | 08/01/2020 21:45:00 | 88 | 42025.0 | 5487.5 | 2934.38 | -2553.12 | 6.08 | 0.00 | -1.110 | 0.000000 |
| Walve 220kV | 08/01/2020 22:00:00 | 89 | 42025.0 | 5547.5 | 3150.0 | -2397.5 | 5.7 | 0.00 | -2.489 | 0.000000 |
| Walve 220kV | 08/01/2020 22:15:00 | 90 | 42025.0 | 5417.5 | 3453.12 | -1964.38 | 4.67 | 0.00 | -2.775 | 0.000000 |
| Walve 220kV | 08/01/2020 22:30:00 | 91 | 42025.0 | 5512.5 | 3409.38 | -2103.12 | 5.0 | 0.00 | -2.223 | 0.000000 |
| Walve 220kV | 08/01/2020 22:45:00 | 92 | 42025.0 | 5512.5 | 3206.25 | -2306.25 | 5.49 | 0.00 | 1.110 | 0.000000 |
| Walve 220kV | 08/01/2020 23:00:00 | 93 | 42025.0 | 5417.5 | 3350.0 | -2067.5 | 4.92 | 0.00 | 1.110 | 220.728372 |
| Walve 220kV | 08/01/2020 23:15:00 | 94 | 42025.0 | 5432.5 | 3253.12 | -2179.38 | 5.19 | 0.00 | 1.110 | 0.000000 |
| Walve 220kV | 08/01/2020 23:30:00 | 95 | 42025.0 | 5430.0 | 3121.88 | -2308.12 | 5.49 | 0.00 | 2.775 | 20.982010 |
| Walve 220kV | 08/01/2020 23:45:00 | 96 | 42025.0 | 5487.5 | 2968.75 | -2518.75 | 5.99 | 0.00 | 0.000 | 0.000000 |
| Walve 220kV | 09/01/2020 00:00:00 | 1 | 42025.0 | 5812.5 | 2731.25 | -3081.25 | 7.33 | 0.00 | -0.576 | 0.000000 |
| Walve 220kV | 09/01/2020 00:15:00 | 2 | 42025.0 | 5862.5 | 2684.38 | -3178.12 | 7.56 | 0.00 | -1.727 | 0.000000 |
| Walve 220kV | 09/01/2020 00:30:00 | 3 | 42025.0 | 5812.5 | 2143.75 | -3668.75 | 8.73 | 0.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walve 220kV | 09/01/2020 00:45:00 | 4 | 42025.0 | 5787.5 | 1703.12 | -4084.38 | 9.72 | 0.00 | -2.879 | 0.000000 |
| Walve 220kV | 09/01/2020 01:00:00 | 5 | 42025.0 | 5995.0 | 1637.5 | -4357.5 | 10.37 | 0.00 | -3.519 | 0.000000 |
| Walve 220kV | 09/01/2020 01:15:00 | 6 | 42025.0 | 5787.5 | 1250.0 | -4537.5 | 10.8 | 0.00 | -3.519 | 0.000000 |
| Walve 220kV | 09/01/2020 01:30:00 | 7 | 42025.0 | 5912.5 | 546.88 | -5365.62 | 12.77 | 0.00 | -3.199 | 0.000000 |
| Walve 220kV | 09/01/2020 01:45:00 | 8 | 42025.0 | 5812.5 | 121.88 | -5690.62 | 13.54 | 0.00 | 3.519 | 1382.749686 |
| Walve 220kV | 09/01/2020 02:00:00 | 9 | 42025.0 | 5857.5 | 6.25 | -5851.25 | 13.92 | 0.00 | 3.519 | 6441.687471 |
| Walve 220kV | 09/01/2020 02:15:00 | 10 | 42025.0 | 5912.5 | 0.0 | -5912.5 | 14.07 | 0.00 | 2.879 | 2854.775600 |
| Walve 220kV | 09/01/2020 02:30:00 | 11 | 42025.0 | 5812.5 | 0.0 | -5812.5 | 13.83 | 0.00 | 3.199 | 4037.869299 |
| Walve 220kV | 09/01/2020 02:45:00 | 12 | 42025.0 | 5862.5 | 0.0 | -5862.5 | 13.95 | 0.00 | 1.152 | 0.000000 |
| Walve 220kV | 09/01/2020 03:00:00 | 13 | 42025.0 | 5812.5 | 0.0 | -5812.5 | 13.83 | 0.00 | -2.879 | 0.000000 |
| Walve 220kV | 09/01/2020 03:15:00 | 14 | 42025.0 | 5787.5 | 0.0 | -5787.5 | 13.77 | 0.00 | -3.839 | 0.000000 |
| Walve 220kV | 09/01/2020 03:30:00 | 15 | 42025.0 | 5995.0 | 0.0 | -5995.0 | 14.27 | 0.00 | 3.199 | 0.000000 |
| Walve 220kV | 09/01/2020 03:45:00 | 16 | 42025.0 | 5787.5 | 0.0 | -5787.5 | 13.77 | 0.00 | 0.000 | 0.000000 |
| Walve 220kV | 09/01/2020 04:00:00 | 17 | 42025.0 | 5912.5 | 0.0 | -5912.5 | 14.07 | 0.00 | 1.727 | 0.000000 |
| Walve 220kV | 09/01/2020 04:15:00 | 18 | 42025.0 | 5812.5 | 0.0 | -5812.5 | 13.83 | 0.00 | 1.727 | 0.000000 |
| Walve 220kV | 09/01/2020 04:30:00 | 19 | 42025.0 | 5857.5 | 0.0 | -5857.5 | 13.94 | 0.00 | 1.727 | 0.000000 |
| Walve 220kV | 09/01/2020 04:45:00 | 20 | 42025.0 | 5912.5 | 0.0 | -5912.5 | 14.07 | 0.00 | 2.879 | 5095.451886 |
| Walve 220kV | 09/01/2020 05:00:00 | 21 | 42025.0 | 5812.5 | 18.75 | -5793.75 | 13.79 | 0.00 | 3.839 | 2892.116721 |
| Walve 220kV | 09/01/2020 05:15:00 | 22 | 42025.0 | 5862.5 | 215.62 | -5646.88 | 13.44 | 0.00 | 5.119 | 7970.586715 |
| Walve 220kV | 09/01/2020 05:30:00 | 23 | 42025.0 | 5812.5 | 1475.0 | -4337.5 | 10.32 | 0.00 | 4.064 | 11157.801792 |
| Walve 220kV | 09/01/2020 05:45:00 | 24 | 42025.0 | 5787.5 | 3353.12 | -2434.38 | 5.79 | 0.00 | 1.152 | 17.174166 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walve 220kV | 09/01/2020 06:00:00 | 25 | 42025.0 | 5995.0 | 5006.25 | -988.75 | 2.35 | 0.00 | -2.303 | 0.000000 |
| Walve 220kV | 09/01/2020 06:15:00 | 26 | 42025.0 | 5787.5 | 7309.38 | 1521.88 | 3.62 | 0.00 | 2.303 | 0.000000 |
| Walve 220kV | 09/01/2020 06:30:00 | 27 | 42025.0 | 5912.5 | 8528.12 | 2615.62 | 6.22 | 0.00 | -3.839 | 0.000000 |
| Walve 220kV | 09/01/2020 06:45:00 | 28 | 42025.0 | 5812.5 | 6818.75 | 1006.25 | 2.39 | 0.00 | -2.879 | 0.000000 |
| Walve 220kV | 09/01/2020 07:00:00 | 29 | 42025.0 | 5857.5 | 5253.12 | -604.38 | 1.44 | 0.00 | -2.879 | 0.000000 |
| Walve 220kV | 09/01/2020 07:15:00 | 30 | 42025.0 | 5912.5 | 7012.5 | 1100.0 | 2.62 | 0.00 | 6.400 | 0.000000 |
| Walve 220kV | 09/01/2020 07:30:00 | 31 | 42025.0 | 5812.5 | 11662.5 | 5850.0 | 13.92 | 0.00 | 1.172 | 0.000000 |
| Walve 220kV | 09/01/2020 07:45:00 | 32 | 42025.0 | 5862.5 | 15559.38 | 9696.88 | 23.07 | 1696.57 | 0.576 | 0.000000 |
| Walve 220kV | 09/01/2020 08:00:00 | 33 | 42025.0 | 5812.5 | 17534.38 | 11721.88 | 27.89 | 3316.88 | -0.576 | -640.726873 |
| Walve 220kV | 09/01/2020 08:15:00 | 34 | 42025.0 | 5787.5 | 16375.0 | 10587.5 | 25.19 | 2182.50 | -1.152 | -1096.532999 |
| Walve 220kV | 09/01/2020 08:30:00 | 35 | 42025.0 | 5995.0 | 12318.75 | 6323.75 | 15.05 | 10.00 | 0.576 | 0.000000 |
| Walve 220kV | 09/01/2020 08:45:00 | 36 | 42025.0 | 5787.5 | 9300.0 | 3512.5 | 8.36 | 0.00 | 0.000 | 0.000000 |
| Walve 220kV | 09/01/2020 09:00:00 | 37 | 42025.0 | 5912.5 | 8815.62 | 2903.12 | 6.91 | 0.00 | 1.152 | 0.000000 |
| Walve 220kV | 09/01/2020 09:15:00 | 38 | 42025.0 | 5812.5 | 8646.88 | 2834.38 | 6.74 | 0.00 | 1.727 | 0.000000 |
| Walve 220kV | 09/01/2020 09:30:00 | 39 | 42025.0 | 5857.5 | 9868.75 | 4011.25 | 9.54 | 0.00 | -3.839 | -172.855600 |
| Walve 220kV | 09/01/2020 09:45:00 | 40 | 42025.0 | 5912.5 | 12790.62 | 6878.12 | 16.37 | 287.19 | -1.152 | -56.482938 |
| Walve 220kV | 09/01/2020 10:00:00 | 41 | 42025.0 | 5812.5 | 15128.12 | 9315.62 | 22.17 | 1505.94 | 0.000 | 0.000000 |
| Walve 220kV | 09/01/2020 10:15:00 | 42 | 42025.0 | 5912.5 | 14946.88 | 9034.38 | 21.5 | 1365.32 | 1.727 | 0.000000 |
| Walve 220kV | 09/01/2020 10:30:00 | 43 | 42025.0 | 7502.5 | 13612.5 | 6110.0 | 14.54 | 0.00 | 2.303 | 0.000000 |
| Walve 220kV | 09/01/2020 10:45:00 | 44 | 42025.0 | 7312.5 | 11453.12 | 4140.62 | 9.85 | 0.00 | -1.144 | -388.288499 |
| Walve 220kV | 09/01/2020 11:00:00 | 45 | 42025.0 | 7062.5 | 9446.88 | 2384.38 | 5.67 | 0.00 | -4.479 | -693.483198 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walve 220kV | 09/01/2020 11:15:00 | 46 | 42025.0 | 6812.5 | 8675.0 | 1862.5 | 4.43 | 0.00 | -3.519 | -341.084869 |
| Walve 220kV | 09/01/2020 11:30:00 | 47 | 42025.0 | 6562.5 | 8371.88 | 1809.38 | 4.31 | 0.00 | -2.303 | -234.485627 |
| Walve 220kV | 09/01/2020 11:45:00 | 48 | 42025.0 | 5812.5 | 7793.75 | 1981.25 | 4.71 | 0.00 | -0.576 | -28.507787 |
| Walve 220kV | 09/01/2020 12:00:00 | 49 | 42025.0 | 5862.5 | 7031.25 | 1168.75 | 2.78 | 0.00 | 0.000 | 0.000000 |
| Walve 220kV | 09/01/2020 12:15:00 | 50 | 42025.0 | 5812.5 | 5734.38 | -78.12 | 0.19 | 0.00 | 3.839 | 0.000000 |
| Walve 220kV | 09/01/2020 12:30:00 | 51 | 42025.0 | 5787.5 | 4153.12 | -1634.38 | 3.89 | 0.00 | 3.199 | 0.000000 |
| Walve 220kV | 09/01/2020 12:45:00 | 52 | 42025.0 | 5995.0 | 3178.12 | -2816.88 | 6.7 | 0.00 | 3.199 | 0.000000 |
| Walve 220kV | 09/01/2020 13:00:00 | 53 | 42025.0 | 5787.5 | 2478.12 | -3309.38 | 7.87 | 0.00 | -1.152 | 0.000000 |
| Walve 220kV | 09/01/2020 13:15:00 | 54 | 42025.0 | 5912.5 | 1853.12 | -4059.38 | 9.66 | 0.00 | -1.152 | 0.000000 |
| Walve 220kV | 09/01/2020 13:30:00 | 55 | 42025.0 | 5812.5 | 1453.12 | -4359.38 | 10.37 | 0.00 | 1.727 | 0.000000 |
| Walve 220kV | 09/01/2020 13:45:00 | 56 | 42025.0 | 5857.5 | 1265.62 | -4591.88 | 10.93 | 0.00 | 3.199 | 0.000000 |
| Walve 220kV | 09/01/2020 14:00:00 | 57 | 42025.0 | 5912.5 | 1134.38 | -4778.12 | 11.37 | 0.00 | 4.345 | 0.000000 |
| Walve 220kV | 09/01/2020 14:15:00 | 58 | 42025.0 | 5812.5 | 1078.12 | -4734.38 | 11.27 | 0.00 | 3.941 | 0.000000 |
| Walve 220kV | 09/01/2020 14:30:00 | 59 | 42025.0 | 5912.5 | 825.0 | -5087.5 | 12.11 | 0.00 | 1.152 | 0.000000 |
| Walve 220kV | 09/01/2020 14:45:00 | 60 | 42025.0 | 5812.5 | 559.38 | -5253.12 | 12.5 | 0.00 | -0.576 | 0.000000 |
| Walve 220kV | 09/01/2020 15:00:00 | 61 | 42025.0 | 5862.5 | 475.0 | -5387.5 | 12.82 | 0.00 | -1.006 | 0.000000 |
| Walve 220kV | 09/01/2020 15:15:00 | 62 | 42025.0 | 5812.5 | 396.88 | -5415.62 | 12.89 | 0.00 | 3.199 | 0.000000 |
| Walve 220kV | 09/01/2020 15:30:00 | 63 | 42025.0 | 5787.5 | 353.12 | -5434.38 | 12.93 | 0.00 | 2.879 | 0.000000 |
| Walve 220kV | 09/01/2020 15:45:00 | 64 | 42025.0 | 5995.0 | 378.12 | -5616.88 | 13.37 | 0.00 | 3.839 | 0.000000 |
| Walve 220kV | 09/01/2020 16:00:00 | 65 | 42025.0 | 5787.5 | 503.12 | -5284.38 | 12.57 | 0.00 | 1.727 | 0.000000 |
| Walve 220kV | 09/01/2020 16:15:00 | 66 | 42025.0 | 5912.5 | 865.62 | -5046.88 | 12.01 | 0.00 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walve 220kV | 09/01/2020 16:30:00 | 67 | 42025.0 | 5812.5 | 1212.5 | -4600.0 | 10.95 | 0.00 | -4.159 | 0.000000 |
| Walve 220kV | 09/01/2020 16:45:00 | 68 | 42025.0 | 5857.5 | 1284.38 | -4573.12 | 10.88 | 0.00 | 3.839 | 0.000000 |
| Walve 220kV | 09/01/2020 17:00:00 | 69 | 42025.0 | 5912.5 | 1453.12 | -4459.38 | 10.61 | 0.00 | 1.727 | 0.000000 |
| Walve 220kV | 09/01/2020 17:15:00 | 70 | 42025.0 | 5812.5 | 1715.62 | -4096.88 | 9.75 | 0.00 | 3.839 | 1408.162287 |
| Walve 220kV | 09/01/2020 17:30:00 | 71 | 42025.0 | 5862.5 | 2018.75 | -3843.75 | 9.15 | 0.00 | -2.879 | 0.000000 |
| Walve 220kV | 09/01/2020 17:45:00 | 72 | 42025.0 | 5812.5 | 2637.5 | -3175.0 | 7.56 | 0.00 | -4.146 | 0.000000 |
| Walve 220kV | 09/01/2020 18:00:00 | 73 | 42025.0 | 5787.5 | 3440.62 | -2346.88 | 5.58 | 0.00 | -3.349 | 0.000000 |
| Walve 220kV | 09/01/2020 18:15:00 | 74 | 42025.0 | 5995.0 | 4081.25 | -1913.75 | 4.55 | 0.00 | -4.563 | 0.000000 |
| Walve 220kV | 09/01/2020 18:30:00 | 75 | 42025.0 | 5787.5 | 4437.5 | -1350.0 | 3.21 | 0.00 | -3.839 | 0.000000 |
| Walve 220kV | 09/01/2020 18:45:00 | 76 | 42025.0 | 5912.5 | 5162.5 | -750.0 | 1.78 | 0.00 | -2.879 | 0.000000 |
| Walve 220kV | 09/01/2020 19:00:00 | 77 | 42025.0 | 5812.5 | 5809.38 | -3.12 | 0.01 | 0.00 | -3.199 | 0.000000 |
| Walve 220kV | 09/01/2020 19:15:00 | 78 | 42025.0 | 5862.5 | 6040.62 | 178.12 | 0.42 | 0.00 | -1.727 | 0.000000 |
| Walve 220kV | 09/01/2020 19:30:00 | 79 | 42025.0 | 5812.5 | 7153.12 | 1340.62 | 3.19 | 0.00 | -1.442 | 0.000000 |
| Walve 220kV | 09/01/2020 19:45:00 | 80 | 42025.0 | 5787.5 | 8765.62 | 2978.12 | 7.09 | 0.00 | -0.286 | 0.000000 |
| Walve 220kV | 09/01/2020 20:00:00 | 81 | 42025.0 | 5995.0 | 10009.38 | 4014.38 | 9.55 | 0.00 | -1.070 | 0.000000 |
| Walve 220kV | 09/01/2020 20:15:00 | 82 | 42025.0 | 5787.5 | 10762.5 | 4975.0 | 11.84 | 0.00 | -2.236 | 0.000000 |
| Walve 220kV | 09/01/2020 20:30:00 | 83 | 42025.0 | 5912.5 | 10731.25 | 4818.75 | 11.47 | 0.00 | -4.799 | 0.000000 |
| Walve 220kV | 09/01/2020 20:45:00 | 84 | 42025.0 | 5812.5 | 10403.12 | 4590.62 | 10.92 | 0.00 | -1.727 | 0.000000 |
| Walve 220kV | 09/01/2020 21:00:00 | 85 | 42025.0 | 5857.5 | 10143.75 | 4286.25 | 10.2 | 0.00 | -1.727 | 0.000000 |
| Walve 220kV | 09/01/2020 21:15:00 | 86 | 42025.0 | 5912.5 | 9450.0 | 3537.5 | 8.42 | 0.00 | 1.152 | 0.000000 |
| Walve 220kV | 09/01/2020 21:30:00 | 87 | 42025.0 | 5812.5 | 8350.0 | 2537.5 | 6.04 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walve 220kV | 09/01/2020 21:45:00 | 88 | 42025.0 | 5912.5 | 7818.75 | 1906.25 | 4.54 | 0.00 | -2.303 | 0.000000 |
| Walve 220kV | 09/01/2020 22:00:00 | 89 | 42025.0 | 5812.5 | 6987.5 | 1175.0 | 2.8 | 0.00 | -2.795 | 0.000000 |
| Walve 220kV | 09/01/2020 22:15:00 | 90 | 42025.0 | 5862.5 | 4871.88 | -990.62 | 2.36 | 0.00 | -3.674 | 0.000000 |
| Walve 220kV | 09/01/2020 22:30:00 | 91 | 42025.0 | 5812.5 | 3621.88 | -2190.62 | 5.21 | 0.00 | -2.303 | 0.000000 |
| Walve 220kV | 09/01/2020 22:45:00 | 92 | 42025.0 | 5787.5 | 3750.0 | -2037.5 | 4.85 | 0.00 | -1.152 | 0.000000 |
| Walve 220kV | 09/01/2020 23:00:00 | 93 | 42025.0 | 5995.0 | 4687.5 | -1307.5 | 3.11 | 0.00 | 0.000 | 0.000000 |
| Walve 220kV | 09/01/2020 23:15:00 | 94 | 42025.0 | 5787.5 | 7250.0 | 1462.5 | 3.48 | 0.00 | -0.576 | 0.000000 |
| Walve 220kV | 09/01/2020 23:30:00 | 95 | 42025.0 | 5912.5 | 12046.88 | 6134.38 | 14.6 | 0.00 | -0.576 | 0.000000 |
| Walve 220kV | 09/01/2020 23:45:00 | 96 | 42025.0 | 5812.5 | 16468.75 | 10656.25 | 25.36 | 2251.25 | -0.987 | 0.000000 |
| Walve 220kV | 10/01/2020 00:00:00 | 1 | 42025.0 | 5812.5 | 18031.25 | 12218.75 | 29.07 | 3813.75 | -0.680 | 0.000000 |
| Walve 220kV | 10/01/2020 00:15:00 | 2 | 42025.0 | 5862.5 | 18162.5 | 12300.0 | 29.27 | 3895.00 | -3.326 | 0.000000 |
| Walve 220kV | 10/01/2020 00:30:00 | 3 | 42025.0 | 5812.5 | 19668.75 | 13856.25 | 32.97 | 5451.25 | -2.992 | 0.000000 |
| Walve 220kV | 10/01/2020 00:45:00 | 4 | 42025.0 | 5787.5 | 21793.75 | 16006.25 | 38.09 | 8250.00 | -0.532 | 0.000000 |
| Walve 220kV | 10/01/2020 01:00:00 | 5 | 42025.0 | 5995.0 | 23393.75 | 17398.75 | 41.4 | 10338.75 | -0.713 | 0.000000 |
| Walve 220kV | 10/01/2020 01:15:00 | 6 | 42025.0 | 5787.5 | 24618.75 | 18831.25 | 44.81 | 12487.50 | -0.548 | 0.000000 |
| Walve 220kV | 10/01/2020 01:30:00 | 7 | 42025.0 | 5912.5 | 24934.38 | 19021.88 | 45.26 | 12773.45 | -2.658 | 0.000000 |
| Walve 220kV | 10/01/2020 01:45:00 | 8 | 42025.0 | 16840.0 | 23690.62 | 6850.62 | 16.3 | 273.44 | 2.127 | 0.000000 |
| Walve 220kV | 10/01/2020 02:00:00 | 9 | 42025.0 | 16285.0 | 22331.25 | 6046.25 | 14.39 | 0.00 | 5.342 | 0.000000 |
| Walve 220kV | 10/01/2020 02:15:00 | 10 | 42025.0 | 15765.0 | 22137.5 | 6372.5 | 15.16 | 34.38 | 1.595 | 0.000000 |
| Walve 220kV | 10/01/2020 02:30:00 | 11 | 42025.0 | 15235.0 | 20965.62 | 5730.62 | 13.64 | 0.00 | 3.326 | 0.000000 |
| Walve 220kV | 10/01/2020 02:45:00 | 12 | 42025.0 | 23087.5 | 17875.0 | -5212.5 | 12.4 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walve 220kV | 10/01/2020 03:00:00 | 13 | 42025.0 | 23062.5 | 15215.62 | -7846.88 | 18.67 | 771.57 | 2.658 | 0.000000 |
| Walve 220kV | 10/01/2020 03:15:00 | 14 | 42025.0 | 22840.0 | 12362.5 | -10477.5 | 24.93 | 2086.88 | 2.127 | 1661.341513 |
| Walve 220kV | 10/01/2020 03:30:00 | 15 | 42025.0 | 22905.0 | 9978.12 | -12926.88 | 30.76 | 4521.88 | 2.127 | 2430.133117 |
| Walve 220kV | 10/01/2020 03:45:00 | 16 | 42025.0 | 21655.0 | 8809.38 | -12845.62 | 30.57 | 4440.62 | -1.063 | 0.000000 |
| Walve 220kV | 10/01/2020 04:00:00 | 17 | 42025.0 | 20882.5 | 8975.0 | -11907.5 | 28.33 | 3502.50 | 1.595 | 0.000000 |
| Walve 220kV | 10/01/2020 04:15:00 | 18 | 42025.0 | 13840.0 | 10750.0 | -3090.0 | 7.35 | 0.00 | 3.326 | 1837.434277 |
| Walve 220kV | 10/01/2020 04:30:00 | 19 | 42025.0 | 13410.0 | 12237.5 | -1172.5 | 2.79 | 0.00 | 3.326 | 0.000000 |
| Walve 220kV | 10/01/2020 04:45:00 | 20 | 42025.0 | 13155.0 | 12759.38 | -395.62 | 0.94 | 0.00 | 2.127 | 0.000000 |
| Walve 220kV | 10/01/2020 05:00:00 | 21 | 42025.0 | 13020.0 | 13806.25 | 786.25 | 1.87 | 0.00 | 2.992 | 0.000000 |
| Walve 220kV | 10/01/2020 05:15:00 | 22 | 42025.0 | 13090.0 | 16209.38 | 3119.38 | 7.42 | 0.00 | 1.063 | 0.000000 |
| Walve 220kV | 10/01/2020 05:30:00 | 23 | 42025.0 | 13752.5 | 17840.62 | 4088.12 | 9.73 | 0.00 | -2.658 | 0.000000 |
| Walve 220kV | 10/01/2020 05:45:00 | 24 | 42025.0 | 14072.5 | 18453.12 | 4380.62 | 10.42 | 0.00 | 2.127 | 0.000000 |
| Walve 220kV | 10/01/2020 06:00:00 | 25 | 42025.0 | 12562.5 | 19128.12 | 6565.62 | 15.62 | 130.94 | -2.127 | 0.000000 |
| Walve 220kV | 10/01/2020 06:15:00 | 26 | 42025.0 | 12197.5 | 19937.5 | 7740.0 | 18.42 | 718.13 | 2.658 | 0.000000 |
| Walve 220kV | 10/01/2020 06:30:00 | 27 | 42025.0 | 12225.0 | 20475.0 | 8250.0 | 19.63 | 973.13 | -2.992 | 0.000000 |
| Walve 220kV | 10/01/2020 06:45:00 | 28 | 42025.0 | 12450.0 | 20190.62 | 7740.62 | 18.42 | 718.44 | -3.077 | 0.000000 |
| Walve 220kV | 10/01/2020 07:00:00 | 29 | 42025.0 | 12390.0 | 20737.5 | 8347.5 | 19.86 | 1021.88 | -0.687 | 0.000000 |
| Walve 220kV | 10/01/2020 07:15:00 | 30 | 42025.0 | 11962.5 | 21459.38 | 9496.88 | 22.6 | 1596.57 | -2.658 | 0.000000 |
| Walve 220kV | 10/01/2020 07:30:00 | 31 | 42025.0 | 13460.0 | 21715.62 | 8255.62 | 19.64 | 975.94 | -1.063 | 0.000000 |
| Walve 220kV | 10/01/2020 07:45:00 | 32 | 42025.0 | 13282.5 | 21509.38 | 8226.88 | 19.58 | 961.57 | -2.658 | 0.000000 |
| Walve 220kV | 10/01/2020 08:00:00 | 33 | 42025.0 | 13282.5 | 20556.25 | 7273.75 | 17.31 | 485.00 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walve 220kV | 10/01/2020 08:15:00 | 34 | 42025.0 | 13615.0 | 20034.38 | 6419.38 | 15.28 | 57.82 | -4.661 | -843.670148 |
| Walve 220kV | 10/01/2020 08:30:00 | 35 | 42025.0 | 13587.5 | 19121.88 | 5534.38 | 13.17 | 0.00 | 5.663 | 0.000000 |
| Walve 220kV | 10/01/2020 08:45:00 | 36 | 42025.0 | 13240.0 | 17156.25 | 3916.25 | 9.32 | 0.00 | 4.328 | 0.000000 |
| Walve 220kV | 10/01/2020 09:00:00 | 37 | 42025.0 | 17135.0 | 15584.38 | -1550.62 | 3.69 | 0.00 | -4.995 | 0.000000 |
| Walve 220kV | 10/01/2020 09:15:00 | 38 | 42025.0 | 16695.0 | 15315.62 | -1379.38 | 3.28 | 0.00 | -4.327 | 0.000000 |
| Walve 220kV | 10/01/2020 09:30:00 | 39 | 42025.0 | 16132.5 | 17675.0 | 1542.5 | 3.67 | 0.00 | -2.127 | -302.867883 |
| Walve 220kV | 10/01/2020 09:45:00 | 40 | 42025.0 | 15612.5 | 21706.25 | 6093.75 | 14.5 | 0.00 | -1.152 | -1142.431156 |
| Walve 220kV | 10/01/2020 10:00:00 | 41 | 42025.0 | 15057.5 | 23453.12 | 8395.62 | 19.98 | 1045.94 | 0.000 | 0.000000 |
| Walve 220kV | 10/01/2020 10:15:00 | 42 | 42025.0 | 14562.5 | 22646.88 | 8084.38 | 19.24 | 890.32 | -0.532 | -248.879578 |
| Walve 220kV | 10/01/2020 10:30:00 | 43 | 42025.0 | 13892.5 | 20896.88 | 7004.38 | 16.67 | 350.32 | -1.063 | -418.412241 |
| Walve 220kV | 10/01/2020 10:45:00 | 44 | 42025.0 | 13185.0 | 19118.75 | 5933.75 | 14.12 | 0.00 | 0.000 | 0.000000 |
| Walve 220kV | 10/01/2020 11:00:00 | 45 | 42025.0 | 12467.5 | 17053.12 | 4585.62 | 10.91 | 0.00 | 2.658 | 0.000000 |
| Walve 220kV | 10/01/2020 11:15:00 | 46 | 42025.0 | 11627.5 | 15675.0 | 4047.5 | 9.63 | 0.00 | 0.000 | 0.000000 |
| Walve 220kV | 10/01/2020 11:30:00 | 47 | 42025.0 | 10797.5 | 14578.12 | 3780.62 | 9.0 | 0.00 | -1.595 | -102.955302 |
| Walve 220kV | 10/01/2020 11:45:00 | 48 | 42025.0 | 9990.0 | 12740.62 | 2750.62 | 6.55 | 0.00 | 2.992 | 0.000000 |
| Walve 220kV | 10/01/2020 12:00:00 | 49 | 42025.0 | 13805.0 | 10871.88 | -2933.12 | 6.98 | 0.00 | 0.000 | 0.000000 |
| Walve 220kV | 10/01/2020 12:15:00 | 50 | 42025.0 | 12962.5 | 10015.62 | -2946.88 | 7.01 | 0.00 | 2.127 | 0.000000 |
| Walve 220kV | 10/01/2020 12:30:00 | 51 | 42025.0 | 12125.0 | 9246.88 | -2878.12 | 6.85 | 0.00 | 1.595 | 0.000000 |
| Walve 220kV | 10/01/2020 12:45:00 | 52 | 42025.0 | 11245.0 | 8671.88 | -2573.12 | 6.12 | 0.00 | -1.063 | 0.000000 |
| Walve 220kV | 10/01/2020 13:00:00 | 53 | 42025.0 | 10310.0 | 8753.12 | -1556.88 | 3.7 | 0.00 | 2.658 | 0.000000 |
| Walve 220kV | 10/01/2020 13:15:00 | 54 | 42025.0 | 9427.5 | 9021.88 | -405.62 | 0.97 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walve 220kV | 10/01/2020 13:30:00 | 55 | 42025.0 | 8030.0 | 8465.62 | 435.62 | 1.04 | 0.00 | 2.127 | 0.000000 |
| Walve 220kV | 10/01/2020 13:45:00 | 56 | 42025.0 | 7530.0 | 7665.62 | 135.62 | 0.32 | 0.00 | -3.326 | -5.505456 |
| Walve 220kV | 10/01/2020 14:00:00 | 57 | 42025.0 | 7527.5 | 6834.38 | -693.12 | 1.65 | 0.00 | -2.992 | 0.000000 |
| Walve 220kV | 10/01/2020 14:15:00 | 58 | 42025.0 | 7335.0 | 6362.5 | -972.5 | 2.31 | 0.00 | 3.660 | 0.000000 |
| Walve 220kV | 10/01/2020 14:30:00 | 59 | 42025.0 | 7112.5 | 5662.5 | -1450.0 | 3.45 | 0.00 | -2.127 | 0.000000 |
| Walve 220kV | 10/01/2020 14:45:00 | 60 | 42025.0 | 7027.5 | 4768.75 | -2258.75 | 5.37 | 0.00 | -2.127 | 0.000000 |
| Walve 220kV | 10/01/2020 15:00:00 | 61 | 42025.0 | 7562.5 | 3775.0 | -3787.5 | 9.01 | 0.00 | 0.000 | 0.000000 |
| Walve 220kV | 10/01/2020 15:15:00 | 62 | 42025.0 | 7537.5 | 2662.5 | -4875.0 | 11.6 | 0.00 | -2.992 | 0.000000 |
| Walve 220kV | 10/01/2020 15:30:00 | 63 | 42025.0 | 7745.0 | 2271.88 | -5473.12 | 13.02 | 0.00 | -4.995 | 0.000000 |
| Walve 220kV | 10/01/2020 15:45:00 | 64 | 42025.0 | 7537.5 | 2225.0 | -5312.5 | 12.64 | 0.00 | -4.327 | 0.000000 |
| Walve 220kV | 10/01/2020 16:00:00 | 65 | 42025.0 | 7662.5 | 2584.38 | -5078.12 | 12.08 | 0.00 | -4.995 | 0.000000 |
| Walve 220kV | 10/01/2020 16:15:00 | 66 | 42025.0 | 7562.5 | 3534.38 | -4028.12 | 9.59 | 0.00 | -8.000 | 0.000000 |
| Walve 220kV | 10/01/2020 16:30:00 | 67 | 42025.0 | 6107.5 | 4368.75 | -1738.75 | 4.14 | 0.00 | -8.000 | 0.000000 |
| Walve 220kV | 10/01/2020 16:45:00 | 68 | 42025.0 | 6162.5 | 4546.88 | -1615.62 | 3.84 | 0.00 | 4.327 | 0.000000 |
| Walve 220kV | 10/01/2020 17:00:00 | 69 | 42025.0 | 6062.5 | 4406.25 | -1656.25 | 3.94 | 0.00 | 0.532 | 0.000000 |
| Walve 220kV | 10/01/2020 17:15:00 | 70 | 42025.0 | 6112.5 | 3850.0 | -2262.5 | 5.38 | 0.00 | -1.595 | 0.000000 |
| Walve 220kV | 10/01/2020 17:30:00 | 71 | 42025.0 | 6062.5 | 4068.75 | -1993.75 | 4.74 | 0.00 | -2.658 | 0.000000 |
| Walve 220kV | 10/01/2020 17:45:00 | 72 | 42025.0 | 6112.5 | 4300.0 | -1812.5 | 4.31 | 0.00 | -2.127 | 0.000000 |
| Walve 220kV | 10/01/2020 18:00:00 | 73 | 42025.0 | 6062.5 | 4331.25 | -1731.25 | 4.12 | 0.00 | -1.461 | 0.000000 |
| Walve 220kV | 10/01/2020 18:15:00 | 74 | 42025.0 | 6037.5 | 4734.38 | -1303.12 | 3.1 | 0.00 | 3.326 | 457.937472 |
| Walve 220kV | 10/01/2020 18:30:00 | 75 | 42025.0 | 6245.0 | 4859.38 | -1385.62 | 3.3 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walve 220kV | 10/01/2020 18:45:00 | 76 | 42025.0 | 6037.5 | 5181.25 | -856.25 | 2.04 | 0.00 | 3.994 | 142.929004 |
| Walve 220kV | 10/01/2020 19:00:00 | 77 | 42025.0 | 6162.5 | 5890.62 | -271.88 | 0.65 | 0.00 | -2.127 | 0.000000 |
| Walve 220kV | 10/01/2020 19:15:00 | 78 | 42025.0 | 6062.5 | 6046.88 | -15.62 | 0.04 | 0.00 | -2.658 | 0.000000 |
| Walve 220kV | 10/01/2020 19:30:00 | 79 | 42025.0 | 6107.5 | 6603.12 | 495.62 | 1.18 | 0.00 | -3.660 | 0.000000 |
| Walve 220kV | 10/01/2020 19:45:00 | 80 | 42025.0 | 6162.5 | 7493.75 | 1331.25 | 3.17 | 0.00 | -3.326 | 0.000000 |
| Walve 220kV | 10/01/2020 20:00:00 | 81 | 42025.0 | 6062.5 | 7590.62 | 1528.12 | 3.64 | 0.00 | 3.660 | 0.000000 |
| Walve 220kV | 10/01/2020 20:15:00 | 82 | 42025.0 | 6112.5 | 7225.0 | 1112.5 | 2.65 | 0.00 | 3.660 | 0.000000 |
| Walve 220kV | 10/01/2020 20:30:00 | 83 | 42025.0 | 6062.5 | 6718.75 | 656.25 | 1.56 | 0.00 | 4.995 | 0.000000 |
| Walve 220kV | 10/01/2020 20:45:00 | 84 | 42025.0 | 6037.5 | 6618.75 | 581.25 | 1.38 | 0.00 | 2.992 | 0.000000 |
| Walve 220kV | 10/01/2020 21:00:00 | 85 | 42025.0 | 6245.0 | 7284.38 | 1039.38 | 2.47 | 0.00 | -3.660 | 0.000000 |
| Walve 220kV | 10/01/2020 21:15:00 | 86 | 42025.0 | 6037.5 | 7643.75 | 1606.25 | 3.82 | 0.00 | -1.595 | 0.000000 |
| Walve 220kV | 10/01/2020 21:30:00 | 87 | 42025.0 | 6162.5 | 6806.25 | 643.75 | 1.53 | 0.00 | -1.063 | 0.000000 |
| Walve 220kV | 10/01/2020 21:45:00 | 88 | 42025.0 | 6062.5 | 6093.75 | 31.25 | 0.07 | 0.00 | -0.532 | 0.000000 |
| Walve 220kV | 10/01/2020 22:00:00 | 89 | 42025.0 | 6107.5 | 6750.0 | 642.5 | 1.53 | 0.00 | -1.595 | 0.000000 |
| Walve 220kV | 10/01/2020 22:15:00 | 90 | 42025.0 | 6162.5 | 7378.12 | 1215.62 | 2.89 | 0.00 | -2.127 | 0.000000 |
| Walve 220kV | 10/01/2020 22:30:00 | 91 | 42025.0 | 8062.5 | 7609.38 | -453.12 | 1.08 | 0.00 | 1.063 | 0.000000 |
| Walve 220kV | 10/01/2020 22:45:00 | 92 | 42025.0 | 8112.5 | 8871.88 | 759.38 | 1.81 | 0.00 | -2.658 | 0.000000 |
| Walve 220kV | 10/01/2020 23:00:00 | 93 | 42025.0 | 8312.5 | 10509.38 | 2196.88 | 5.23 | 0.00 | -2.658 | 0.000000 |
| Walve 220kV | 10/01/2020 23:15:00 | 94 | 42025.0 | 8412.5 | 12984.38 | 4571.88 | 10.88 | 0.00 | 0.000 | 0.000000 |
| Walve 220kV | 10/01/2020 23:30:00 | 95 | 42025.0 | 8557.5 | 15437.5 | 6880.0 | 16.37 | 288.13 | 0.000 | 0.000000 |
| Walve 220kV | 10/01/2020 23:45:00 | 96 | 42025.0 | 8705.0 | 16675.0 | 7970.0 | 18.96 | 833.13 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walve 220kV | 11/01/2020 00:00:00 | 1 | 42025.0 | 5812.5 | 17575.0 | 11762.5 | 27.99 | 3357.50 | 0.000 | 0.000000 |
| Walve 220kV | 11/01/2020 00:15:00 | 2 | 42025.0 | 5862.5 | 17718.75 | 11856.25 | 28.21 | 3451.25 | -2.629 | 0.000000 |
| Walve 220kV | 11/01/2020 00:30:00 | 3 | 42025.0 | 5812.5 | 16493.75 | 10681.25 | 25.42 | 2276.25 | -1.577 | 0.000000 |
| Walve 220kV | 11/01/2020 00:45:00 | 4 | 42025.0 | 5787.5 | 14940.62 | 9153.12 | 21.78 | 1424.69 | 2.103 | 0.000000 |
| Walve 220kV | 11/01/2020 01:00:00 | 5 | 42025.0 | 5995.0 | 13328.12 | 7333.12 | 17.45 | 514.69 | 2.964 | 0.000000 |
| Walve 220kV | 11/01/2020 01:15:00 | 6 | 42025.0 | 5787.5 | 10846.88 | 5059.38 | 12.04 | 0.00 | 1.052 | 0.000000 |
| Walve 220kV | 11/01/2020 01:30:00 | 7 | 42025.0 | 5912.5 | 8818.75 | 2906.25 | 6.92 | 0.00 | 1.577 | 0.000000 |
| Walve 220kV | 11/01/2020 01:45:00 | 8 | 42025.0 | 5812.5 | 10225.0 | 4412.5 | 10.5 | 0.00 | -0.526 | 0.000000 |
| Walve 220kV | 11/01/2020 02:00:00 | 9 | 42025.0 | 5857.5 | 14256.25 | 8398.75 | 19.99 | 1047.50 | -0.403 | 0.000000 |
| Walve 220kV | 11/01/2020 02:15:00 | 10 | 42025.0 | 5912.5 | 16737.5 | 10825.0 | 25.76 | 2420.00 | -0.630 | 0.000000 |
| Walve 220kV | 11/01/2020 02:30:00 | 11 | 42025.0 | 5812.5 | 18018.75 | 12206.25 | 29.05 | 3801.25 | -0.526 | 0.000000 |
| Walve 220kV | 11/01/2020 02:45:00 | 12 | 42025.0 | 5862.5 | 19021.88 | 13159.38 | 31.31 | 4754.38 | -0.526 | -626.659334 |
| Walve 220kV | 11/01/2020 03:00:00 | 13 | 42025.0 | 5812.5 | 19115.62 | 13303.12 | 31.66 | 4898.12 | -1.051 | 0.000000 |
| Walve 220kV | 11/01/2020 03:15:00 | 14 | 42025.0 | 5787.5 | 19487.5 | 13700.0 | 32.6 | 5295.00 | 0.000 | 0.000000 |
| Walve 220kV | 11/01/2020 03:30:00 | 15 | 42025.0 | 5995.0 | 19703.12 | 13708.12 | 32.62 | 5303.12 | 0.000 | 0.000000 |
| Walve 220kV | 11/01/2020 03:45:00 | 16 | 42025.0 | 5787.5 | 19400.0 | 13612.5 | 32.39 | 5207.50 | 0.000 | 0.000000 |
| Walve 220kV | 11/01/2020 04:00:00 | 17 | 42025.0 | 5912.5 | 19584.38 | 13671.88 | 32.53 | 5266.88 | 0.000 | 0.000000 |
| Walve 220kV | 11/01/2020 04:15:00 | 18 | 42025.0 | 5812.5 | 19993.75 | 14181.25 | 33.74 | 5776.25 | -1.051 | 0.000000 |
| Walve 220kV | 11/01/2020 04:30:00 | 19 | 42025.0 | 5857.5 | 20471.88 | 14614.38 | 34.78 | 6209.38 | -2.964 | 0.000000 |
| Walve 220kV | 11/01/2020 04:45:00 | 20 | 42025.0 | 5912.5 | 19903.12 | 13990.62 | 33.29 | 5585.62 | -3.300 | 0.000000 |
| Walve 220kV | 11/01/2020 05:00:00 | 21 | 42025.0 | 5812.5 | 19993.75 | 14181.25 | 33.74 | 5776.25 | 4.307 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walve 220kV | 11/01/2020 05:15:00 | 22 | 42025.0 | 5862.5 | 20787.5 | 14925.0 | 35.51 | 6628.13 | 5.314 | 0.000000 |
| Walve 220kV | 11/01/2020 05:30:00 | 23 | 42025.0 | 5812.5 | 21593.75 | 15781.25 | 37.55 | 7912.50 | 2.964 | 0.000000 |
| Walve 220kV | 11/01/2020 05:45:00 | 24 | 42025.0 | 5787.5 | 22178.12 | 16390.62 | 39.0 | 8826.56 | 2.103 | 0.000000 |
| Walve 220kV | 11/01/2020 06:00:00 | 25 | 42025.0 | 5995.0 | 22650.0 | 16655.0 | 39.63 | 9223.13 | 3.636 | 0.000000 |
| Walve 220kV | 11/01/2020 06:15:00 | 26 | 42025.0 | 5787.5 | 23909.38 | 18121.88 | 43.12 | 11423.45 | 2.964 | 0.000000 |
| Walve 220kV | 11/01/2020 06:30:00 | 27 | 42025.0 | 5912.5 | 24387.5 | 18475.0 | 43.96 | 11953.13 | 4.105 | 0.000000 |
| Walve 220kV | 11/01/2020 06:45:00 | 28 | 42025.0 | 5812.5 | 24406.25 | 18593.75 | 44.24 | 12131.25 | 5.650 | 0.000000 |
| Walve 220kV | 11/01/2020 07:00:00 | 29 | 42025.0 | 5857.5 | 24550.0 | 18692.5 | 44.48 | 12279.38 | 3.300 | 0.000000 |
| Walve 220kV | 11/01/2020 07:15:00 | 30 | 42025.0 | 5912.5 | 24153.12 | 18240.62 | 43.4 | 11601.56 | 5.314 | 0.000000 |
| Walve 220kV | 11/01/2020 07:30:00 | 31 | 42025.0 | 5812.5 | 23262.5 | 17450.0 | 41.52 | 10415.63 | 2.964 | 0.000000 |
| Walve 220kV | 11/01/2020 07:45:00 | 32 | 42025.0 | 5862.5 | 22078.12 | 16215.62 | 38.59 | 8564.06 | 2.103 | 0.000000 |
| Walve 220kV | 11/01/2020 08:00:00 | 33 | 42025.0 | 5812.5 | 20928.12 | 15115.62 | 35.97 | 6914.06 | -1.577 | -541.580510 |
| Walve 220kV | 11/01/2020 08:15:00 | 34 | 42025.0 | 5787.5 | 20709.38 | 14921.88 | 35.51 | 6623.45 | 3.300 | 0.000000 |
| Walve 220kV | 11/01/2020 08:30:00 | 35 | 42025.0 | 5995.0 | 20331.25 | 14336.25 | 34.11 | 5931.25 | 2.116 | 0.000000 |
| Walve 220kV | 11/01/2020 08:45:00 | 36 | 42025.0 | 5787.5 | 19215.62 | 13428.12 | 31.95 | 5023.12 | 2.964 | 0.000000 |
| Walve 220kV | 11/01/2020 09:00:00 | 37 | 42025.0 | 5912.5 | 18715.62 | 12803.12 | 30.47 | 4398.12 | 6.681 | 0.000000 |
| Walve 220kV | 11/01/2020 09:15:00 | 38 | 42025.0 | 5812.5 | 17634.38 | 11821.88 | 28.13 | 3416.88 | 6.657 | 0.000000 |
| Walve 220kV | 11/01/2020 09:30:00 | 39 | 42025.0 | 5857.5 | 15993.75 | 10136.25 | 24.12 | 1916.25 | -6.322 | -5226.076041 |
| Walve 220kV | 11/01/2020 09:45:00 | 40 | 42025.0 | 5912.5 | 14165.62 | 8253.12 | 19.64 | 974.69 | -2.103 | -593.358204 |
| Walve 220kV | 11/01/2020 10:00:00 | 41 | 42025.0 | 5812.5 | 12634.38 | 6821.88 | 16.23 | 259.07 | 0.526 | 0.000000 |
| Walve 220kV | 11/01/2020 10:15:00 | 42 | 42025.0 | 12562.5 | 10703.12 | -1859.38 | 4.42 | 0.00 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walve 220kV | 11/01/2020 10:30:00 | 43 | 42025.0 | 12195.0 | 8812.5 | -3382.5 | 8.05 | 0.00 | 0.000 | 0.000000 |
| Walve 220kV | 11/01/2020 10:45:00 | 44 | 42025.0 | 12030.0 | 7271.88 | -4758.12 | 11.32 | 0.00 | 0.000 | 0.000000 |
| Walve 220kV | 11/01/2020 11:00:00 | 45 | 42025.0 | 11945.0 | 6434.38 | -5510.62 | 13.11 | 0.00 | 0.000 | 0.000000 |
| Walve 220kV | 11/01/2020 11:15:00 | 46 | 42025.0 | 11780.0 | 5000.0 | -6780.0 | 16.13 | 238.13 | -2.964 | 0.000000 |
| Walve 220kV | 11/01/2020 11:30:00 | 47 | 42025.0 | 5787.5 | 3090.62 | -2696.88 | 6.42 | 0.00 | -4.307 | 0.000000 |
| Walve 220kV | 11/01/2020 11:45:00 | 48 | 42025.0 | 5995.0 | 2525.0 | -3470.0 | 8.26 | 0.00 | -3.300 | 0.000000 |
| Walve 220kV | 11/01/2020 12:00:00 | 49 | 42025.0 | 5787.5 | 2478.12 | -3309.38 | 7.87 | 0.00 | -0.526 | 0.000000 |
| Walve 220kV | 11/01/2020 12:15:00 | 50 | 42025.0 | 5812.5 | 2709.38 | -3103.12 | 7.38 | 0.00 | -2.103 | 0.000000 |
| Walve 220kV | 11/01/2020 12:30:00 | 51 | 42025.0 | 5787.5 | 3837.5 | -1950.0 | 4.64 | 0.00 | -2.629 | 0.000000 |
| Walve 220kV | 11/01/2020 12:45:00 | 52 | 42025.0 | 5995.0 | 5146.88 | -848.12 | 2.02 | 0.00 | -2.629 | 0.000000 |
| Walve 220kV | 11/01/2020 13:00:00 | 53 | 42025.0 | 5787.5 | 5781.25 | -6.25 | 0.01 | 0.00 | 0.000 | 0.000000 |
| Walve 220kV | 11/01/2020 13:15:00 | 54 | 42025.0 | 5912.5 | 5809.38 | -103.12 | 0.25 | 0.00 | -2.103 | 0.000000 |
| Walve 220kV | 11/01/2020 13:30:00 | 55 | 42025.0 | 5812.5 | 5568.75 | -243.75 | 0.58 | 0.00 | 2.629 | 0.000000 |
| Walve 220kV | 11/01/2020 13:45:00 | 56 | 42025.0 | 5857.5 | 5281.25 | -576.25 | 1.37 | 0.00 | 2.103 | 0.000000 |
| Walve 220kV | 11/01/2020 14:00:00 | 57 | 42025.0 | 5912.5 | 4715.62 | -1196.88 | 2.85 | 0.00 | 1.051 | 0.000000 |
| Walve 220kV | 11/01/2020 14:15:00 | 58 | 42025.0 | 5812.5 | 3825.0 | -1987.5 | 4.73 | 0.00 | 3.300 | 0.000000 |
| Walve 220kV | 11/01/2020 14:30:00 | 59 | 42025.0 | 5912.5 | 3012.5 | -2900.0 | 6.9 | 0.00 | -3.636 | 0.000000 |
| Walve 220kV | 11/01/2020 14:45:00 | 60 | 42025.0 | 5812.5 | 2512.5 | -3300.0 | 7.85 | 0.00 | 4.979 | 0.000000 |
| Walve 220kV | 11/01/2020 15:00:00 | 61 | 42025.0 | 5862.5 | 1937.5 | -3925.0 | 9.34 | 0.00 | -2.964 | 0.000000 |
| Walve 220kV | 11/01/2020 15:15:00 | 62 | 42025.0 | 5812.5 | 1184.38 | -4628.12 | 11.01 | 0.00 | -5.314 | 0.000000 |
| Walve 220kV | 11/01/2020 15:30:00 | 63 | 42025.0 | 5787.5 | 834.38 | -4953.12 | 11.79 | 0.00 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walve 220kV | 11/01/2020 15:45:00 | 64 | 42025.0 | 5995.0 | 975.0 | -5020.0 | 11.95 | 0.00 | 4.643 | 0.000000 |
| Walve 220kV | 11/01/2020 16:00:00 | 65 | 42025.0 | 5787.5 | 996.88 | -4790.62 | 11.4 | 0.00 | 2.103 | 0.000000 |
| Walve 220kV | 11/01/2020 16:15:00 | 66 | 42025.0 | 5912.5 | 1131.25 | -4781.25 | 11.38 | 0.00 | -2.964 | 0.000000 |
| Walve 220kV | 11/01/2020 16:30:00 | 67 | 42025.0 | 5812.5 | 1346.88 | -4465.62 | 10.63 | 0.00 | -2.103 | 0.000000 |
| Walve 220kV | 11/01/2020 16:45:00 | 68 | 42025.0 | 5857.5 | 1775.0 | -4082.5 | 9.71 | 0.00 | 3.972 | 0.000000 |
| Walve 220kV | 11/01/2020 17:00:00 | 69 | 42025.0 | 5912.5 | 2287.5 | -3625.0 | 8.63 | 0.00 | -1.577 | 0.000000 |
| Walve 220kV | 11/01/2020 17:15:00 | 70 | 42025.0 | 5812.5 | 2590.62 | -3221.88 | 7.67 | 0.00 | -1.577 | 0.000000 |
| Walve 220kV | 11/01/2020 17:30:00 | 71 | 42025.0 | 5862.5 | 2984.38 | -2878.12 | 6.85 | 0.00 | 1.051 | 36.722925 |
| Walve 220kV | 11/01/2020 17:45:00 | 72 | 42025.0 | 5812.5 | 3328.12 | -2484.38 | 5.91 | 0.00 | -2.103 | 0.000000 |
| Walve 220kV | 11/01/2020 18:00:00 | 73 | 42025.0 | 5787.5 | 3475.0 | -2312.5 | 5.5 | 0.00 | -2.964 | 0.000000 |
| Walve 220kV | 11/01/2020 18:15:00 | 74 | 42025.0 | 5995.0 | 3650.0 | -2345.0 | 5.58 | 0.00 | -2.629 | 0.000000 |
| Walve 220kV | 11/01/2020 18:30:00 | 75 | 42025.0 | 5787.5 | 3709.38 | -2078.12 | 4.94 | 0.00 | 2.103 | 73.051101 |
| Walve 220kV | 11/01/2020 18:45:00 | 76 | 42025.0 | 5912.5 | 3659.38 | -2253.12 | 5.36 | 0.00 | 0.526 | 231.906499 |
| Walve 220kV | 11/01/2020 19:00:00 | 77 | 42025.0 | 5812.5 | 3587.5 | -2225.0 | 5.29 | 0.00 | 2.103 | 909.572312 |
| Walve 220kV | 11/01/2020 19:15:00 | 78 | 42025.0 | 5862.5 | 3756.25 | -2106.25 | 5.01 | 0.00 | -1.052 | 0.000000 |
| Walve 220kV | 11/01/2020 19:30:00 | 79 | 42025.0 | 5812.5 | 4181.25 | -1631.25 | 3.88 | 0.00 | 2.964 | 0.000000 |
| Walve 220kV | 11/01/2020 19:45:00 | 80 | 42025.0 | 5787.5 | 4790.62 | -996.88 | 2.37 | 0.00 | 2.629 | 741.516106 |
| Walve 220kV | 11/01/2020 20:00:00 | 81 | 42025.0 | 5995.0 | 5290.62 | -704.38 | 1.68 | 0.00 | 2.629 | 114.553825 |
| Walve 220kV | 11/01/2020 20:15:00 | 82 | 42025.0 | 5787.5 | 5890.62 | 103.12 | 0.25 | 0.00 | 4.307 | 0.000000 |
| Walve 220kV | 11/01/2020 20:30:00 | 83 | 42025.0 | 5912.5 | 6075.0 | 162.5 | 0.39 | 0.00 | 2.964 | 0.000000 |
| Walve 220kV | 11/01/2020 20:45:00 | 84 | 42025.0 | 5812.5 | 6181.25 | 368.75 | 0.88 | 0.00 | 2.629 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walve 220kV | 11/01/2020 21:00:00 | 85 | 42025.0 | 5857.5 | 6746.88 | 889.38 | 2.12 | 0.00 | 3.636 | 0.000000 |
| Walve 220kV | 11/01/2020 21:15:00 | 86 | 42025.0 | 5912.5 | 6918.75 | 1006.25 | 2.39 | 0.00 | -1.577 | 0.000000 |
| Walve 220kV | 11/01/2020 21:30:00 | 87 | 42025.0 | 5812.5 | 6890.62 | 1078.12 | 2.57 | 0.00 | -1.577 | 0.000000 |
| Walve 220kV | 11/01/2020 21:45:00 | 88 | 42025.0 | 5912.5 | 7321.88 | 1409.38 | 3.35 | 0.00 | -1.052 | 0.000000 |
| Walve 220kV | 11/01/2020 22:00:00 | 89 | 42025.0 | 5812.5 | 7609.38 | 1796.88 | 4.28 | 0.00 | -5.650 | 0.000000 |
| Walve 220kV | 11/01/2020 22:15:00 | 90 | 42025.0 | 5862.5 | 7740.62 | 1878.12 | 4.47 | 0.00 | -5.650 | 0.000000 |
| Walve 220kV | 11/01/2020 22:30:00 | 91 | 42025.0 | 5812.5 | 8375.0 | 2562.5 | 6.1 | 0.00 | 4.979 | 0.000000 |
| Walve 220kV | 11/01/2020 22:45:00 | 92 | 42025.0 | 5787.5 | 8653.12 | 2865.62 | 6.82 | 0.00 | 2.964 | 0.000000 |
| Walve 220kV | 11/01/2020 23:00:00 | 93 | 42025.0 | 5995.0 | 9021.88 | 3026.88 | 7.2 | 0.00 | 1.577 | 0.000000 |
| Walve 220kV | 11/01/2020 23:15:00 | 94 | 42025.0 | 5787.5 | 9803.12 | 4015.62 | 9.56 | 0.00 | 1.074 | 0.000000 |
| Walve 220kV | 11/01/2020 23:30:00 | 95 | 42025.0 | 5912.5 | 9984.38 | 4071.88 | 9.69 | 0.00 | 2.113 | 0.000000 |
| Walve 220kV | 11/01/2020 23:45:00 | 96 | 42025.0 | 5812.5 | 9653.12 | 3840.62 | 9.14 | 0.00 | 2.162 | 0.000000 |
| Walve 220kV | 12/01/2020 00:00:00 | 1 | 42025.0 | 8155.0 | 9681.25 | 1526.25 | 3.63 | 0.00 | 3.022 | 0.000000 |
| Walve 220kV | 12/01/2020 00:15:00 | 2 | 42025.0 | 8062.5 | 10128.12 | 2065.62 | 4.92 | 0.00 | -2.152 | 0.000000 |
| Walve 220kV | 12/01/2020 00:30:00 | 3 | 42025.0 | 8130.0 | 10146.88 | 2016.88 | 4.8 | 0.00 | -2.152 | 0.000000 |
| Walve 220kV | 12/01/2020 00:45:00 | 4 | 42025.0 | 7855.0 | 9581.25 | 1726.25 | 4.11 | 0.00 | -3.022 | 0.000000 |
| Walve 220kV | 12/01/2020 01:00:00 | 5 | 42025.0 | 8060.0 | 9231.25 | 1171.25 | 2.79 | 0.00 | -0.629 | 0.000000 |
| Walve 220kV | 12/01/2020 01:15:00 | 6 | 42025.0 | 10580.0 | 9118.75 | -1461.25 | 3.48 | 0.00 | -3.317 | 0.000000 |
| Walve 220kV | 12/01/2020 01:30:00 | 7 | 42025.0 | 10905.0 | 9187.5 | -1717.5 | 4.09 | 0.00 | -3.354 | 0.000000 |
| Walve 220kV | 12/01/2020 01:45:00 | 8 | 42025.0 | 10912.5 | 9300.0 | -1612.5 | 3.84 | 0.00 | -3.022 | 0.000000 |
| Walve 220kV | 12/01/2020 02:00:00 | 9 | 42025.0 | 11090.0 | 9196.88 | -1893.12 | 4.5 | 0.00 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walve 220kV | 12/01/2020 02:15:00 | 10 | 42025.0 | 11125.0 | 9131.25 | -1993.75 | 4.74 | 0.00 | -3.022 | 0.000000 |
| Walve 220kV | 12/01/2020 02:30:00 | 11 | 42025.0 | 11412.5 | 8825.0 | -2587.5 | 6.16 | 0.00 | -2.690 | 0.000000 |
| Walve 220kV | 12/01/2020 02:45:00 | 12 | 42025.0 | 11312.5 | 8443.75 | -2868.75 | 6.83 | 0.00 | -3.022 | 0.000000 |
| Walve 220kV | 12/01/2020 03:00:00 | 13 | 42025.0 | 11587.5 | 8231.25 | -3356.25 | 7.99 | 0.00 | 3.354 | 1589.140857 |
| Walve 220kV | 12/01/2020 03:15:00 | 14 | 42025.0 | 11300.0 | 8081.25 | -3218.75 | 7.66 | 0.00 | 3.022 | 1869.015470 |
| Walve 220kV | 12/01/2020 03:30:00 | 15 | 42025.0 | 11022.5 | 8284.38 | -2738.12 | 6.52 | 0.00 | 3.354 | 589.707851 |
| Walve 220kV | 12/01/2020 03:45:00 | 16 | 42025.0 | 11212.5 | 8168.75 | -3043.75 | 7.24 | 0.00 | 2.152 | 0.000000 |
| Walve 220kV | 12/01/2020 04:00:00 | 17 | 42025.0 | 10840.0 | 8606.25 | -2233.75 | 5.32 | 0.00 | -2.152 | 0.000000 |
| Walve 220kV | 12/01/2020 04:15:00 | 18 | 42025.0 | 8562.5 | 8687.5 | 125.0 | 0.3 | 0.00 | -3.022 | 0.000000 |
| Walve 220kV | 12/01/2020 04:30:00 | 19 | 42025.0 | 8580.0 | 8650.0 | 70.0 | 0.17 | 0.00 | 1.076 | 0.000000 |
| Walve 220kV | 12/01/2020 04:45:00 | 20 | 42025.0 | 8405.0 | 8878.12 | 473.12 | 1.13 | 0.00 | -3.022 | 0.000000 |
| Walve 220kV | 12/01/2020 05:00:00 | 21 | 42025.0 | 8052.5 | 8821.88 | 769.38 | 1.83 | 0.00 | 3.686 | 0.000000 |
| Walve 220kV | 12/01/2020 05:15:00 | 22 | 42025.0 | 7812.5 | 8840.62 | 1028.12 | 2.45 | 0.00 | 3.686 | 0.000000 |
| Walve 220kV | 12/01/2020 05:30:00 | 23 | 42025.0 | 7802.5 | 7975.0 | 172.5 | 0.41 | 0.00 | -1.614 | 0.000000 |
| Walve 220kV | 12/01/2020 05:45:00 | 24 | 42025.0 | 7655.0 | 6793.75 | -861.25 | 2.05 | 0.00 | -0.496 | 0.000000 |
| Walve 220kV | 12/01/2020 06:00:00 | 25 | 42025.0 | 7590.0 | 6006.25 | -1583.75 | 3.77 | 0.00 | 0.000 | 0.000000 |
| Walve 220kV | 12/01/2020 06:15:00 | 26 | 42025.0 | 7412.5 | 5459.38 | -1953.12 | 4.65 | 0.00 | -0.430 | 0.000000 |
| Walve 220kV | 12/01/2020 06:30:00 | 27 | 42025.0 | 7405.0 | 5228.12 | -2176.88 | 5.18 | 0.00 | -2.152 | 0.000000 |
| Walve 220kV | 12/01/2020 06:45:00 | 28 | 42025.0 | 7157.5 | 5000.0 | -2157.5 | 5.13 | 0.00 | 4.681 | 0.000000 |
| Walve 220kV | 12/01/2020 07:00:00 | 29 | 42025.0 | 7135.0 | 4921.88 | -2213.12 | 5.27 | 0.00 | 1.614 | 0.000000 |
| Walve 220kV | 12/01/2020 07:15:00 | 30 | 42025.0 | 7080.0 | 5118.75 | -1961.25 | 4.67 | 0.00 | 3.838 | 1623.241213 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walve 220kV | 12/01/2020 07:30:00 | 31 | 42025.0 | 7165.0 | 5728.12 | -1436.88 | 3.42 | 0.00 | 3.022 | 0.000000 |
| Walve 220kV | 12/01/2020 07:45:00 | 32 | 42025.0 | 7537.5 | 6440.62 | -1096.88 | 2.61 | 0.00 | 2.690 | 0.000000 |
| Walve 220kV | 12/01/2020 08:00:00 | 33 | 42025.0 | 7107.5 | 7515.62 | 408.12 | 0.97 | 0.00 | -2.690 | -218.022926 |
| Walve 220kV | 12/01/2020 08:15:00 | 34 | 42025.0 | 6740.0 | 9153.12 | 2413.12 | 5.74 | 0.00 | -4.018 | -1188.480143 |
| Walve 220kV | 12/01/2020 08:30:00 | 35 | 42025.0 | 5812.5 | 8881.25 | 3068.75 | 7.3 | 0.00 | -2.690 | -145.747998 |
| Walve 220kV | 12/01/2020 08:45:00 | 36 | 42025.0 | 5857.5 | 8378.12 | 2520.62 | 6.0 | 0.00 | 3.022 | 0.000000 |
| Walve 220kV | 12/01/2020 09:00:00 | 37 | 42025.0 | 5912.5 | 7343.75 | 1431.25 | 3.41 | 0.00 | -3.354 | -184.026203 |
| Walve 220kV | 12/01/2020 09:15:00 | 38 | 42025.0 | 5812.5 | 6243.75 | 431.25 | 1.03 | 0.00 | -4.350 | -15.593914 |
| Walve 220kV | 12/01/2020 09:30:00 | 39 | 42025.0 | 5912.5 | 5015.62 | -896.88 | 2.13 | 0.00 | 2.152 | 0.000000 |
| Walve 220kV | 12/01/2020 09:45:00 | 40 | 42025.0 | 5812.5 | 4056.25 | -1756.25 | 4.18 | 0.00 | -2.690 | 0.000000 |
| Walve 220kV | 12/01/2020 10:00:00 | 41 | 42025.0 | 5862.5 | 3393.75 | -2468.75 | 5.87 | 0.00 | -3.354 | 0.000000 |
| Walve 220kV | 12/01/2020 10:15:00 | 42 | 42025.0 | 5812.5 | 3409.38 | -2403.12 | 5.72 | 0.00 | -3.686 | 0.000000 |
| Walve 220kV | 12/01/2020 10:30:00 | 43 | 42025.0 | 5787.5 | 3603.12 | -2184.38 | 5.2 | 0.00 | -1.614 | 0.000000 |
| Walve 220kV | 12/01/2020 10:45:00 | 44 | 42025.0 | 5995.0 | 3184.38 | -2810.62 | 6.69 | 0.00 | 3.686 | 0.000000 |
| Walve 220kV | 12/01/2020 11:00:00 | 45 | 42025.0 | 5787.5 | 2809.38 | -2978.12 | 7.09 | 0.00 | -3.354 | 0.000000 |
| Walve 220kV | 12/01/2020 11:15:00 | 46 | 42025.0 | 5912.5 | 2662.5 | -3250.0 | 7.73 | 0.00 | -5.450 | 0.000000 |
| Walve 220kV | 12/01/2020 11:30:00 | 47 | 42025.0 | 5812.5 | 2209.38 | -3603.12 | 8.57 | 0.00 | -6.009 | 0.000000 |
| Walve 220kV | 12/01/2020 11:45:00 | 48 | 42025.0 | 5857.5 | 1837.5 | -4020.0 | 9.57 | 0.00 | 2.690 | 0.000000 |
| Walve 220kV | 12/01/2020 12:00:00 | 49 | 42025.0 | 5912.5 | 1740.62 | -4171.88 | 9.93 | 0.00 | 3.686 | 0.000000 |
| Walve 220kV | 12/01/2020 12:15:00 | 50 | 42025.0 | 5812.5 | 1531.25 | -4281.25 | 10.19 | 0.00 | -5.345 | 0.000000 |
| Walve 220kV | 12/01/2020 12:30:00 | 51 | 42025.0 | 5862.5 | 1212.5 | -4650.0 | 11.06 | 0.00 | -3.022 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walve 220kV | 12/01/2020 12:45:00 | 52 | 42025.0 | 5812.5 | 743.75 | -5068.75 | 12.06 | 0.00 | -5.345 | 0.000000 |
| Walve 220kV | 12/01/2020 13:00:00 | 53 | 42025.0 | 5787.5 | 362.5 | -5425.0 | 12.91 | 0.00 | -3.999 | 0.000000 |
| Walve 220kV | 12/01/2020 13:15:00 | 54 | 42025.0 | 5995.0 | 190.62 | -5804.38 | 13.81 | 0.00 | -4.350 | 0.000000 |
| Walve 220kV | 12/01/2020 13:30:00 | 55 | 42025.0 | 5787.5 | 134.38 | -5653.12 | 13.45 | 0.00 | -1.076 | 0.000000 |
| Walve 220kV | 12/01/2020 13:45:00 | 56 | 42025.0 | 5912.5 | 93.75 | -5818.75 | 13.85 | 0.00 | -2.690 | 0.000000 |
| Walve 220kV | 12/01/2020 14:00:00 | 57 | 42025.0 | 5812.5 | 37.5 | -5775.0 | 13.74 | 0.00 | -0.538 | 0.000000 |
| Walve 220kV | 12/01/2020 14:15:00 | 58 | 42025.0 | 5862.5 | 3.12 | -5859.38 | 13.94 | 0.00 | -2.152 | 0.000000 |
| Walve 220kV | 12/01/2020 14:30:00 | 59 | 42025.0 | 5812.5 | 40.62 | -5771.88 | 13.73 | 0.00 | -2.690 | 0.000000 |
| Walve 220kV | 12/01/2020 14:45:00 | 60 | 42025.0 | 5787.5 | 137.5 | -5650.0 | 13.44 | 0.00 | -1.076 | 0.000000 |
| Walve 220kV | 12/01/2020 15:00:00 | 61 | 42025.0 | 5995.0 | 303.12 | -5691.88 | 13.54 | 0.00 | 0.000 | 0.000000 |
| Walve 220kV | 12/01/2020 15:15:00 | 62 | 42025.0 | 5787.5 | 609.38 | -5178.12 | 12.32 | 0.00 | -2.690 | 0.000000 |
| Walve 220kV | 12/01/2020 15:30:00 | 63 | 42025.0 | 5912.5 | 1056.25 | -4856.25 | 11.56 | 0.00 | -3.022 | 0.000000 |
| Walve 220kV | 12/01/2020 15:45:00 | 64 | 42025.0 | 5812.5 | 1700.0 | -4112.5 | 9.79 | 0.00 | -3.686 | 0.000000 |
| Walve 220kV | 12/01/2020 16:00:00 | 65 | 42025.0 | 5857.5 | 2271.88 | -3585.62 | 8.53 | 0.00 | -3.737 | 0.000000 |
| Walve 220kV | 12/01/2020 16:15:00 | 66 | 42025.0 | 5912.5 | 2212.5 | -3700.0 | 8.8 | 0.00 | -5.786 | 0.000000 |
| Walve 220kV | 12/01/2020 16:30:00 | 67 | 42025.0 | 5812.5 | 2031.25 | -3781.25 | 9.0 | 0.00 | -4.350 | 0.000000 |
| Walve 220kV | 12/01/2020 16:45:00 | 68 | 42025.0 | 5912.5 | 1934.38 | -3978.12 | 9.47 | 0.00 | -1.614 | 0.000000 |
| Walve 220kV | 12/01/2020 17:00:00 | 69 | 42025.0 | 5912.5 | 1609.38 | -4303.12 | 10.24 | 0.00 | 0.000 | 0.000000 |
| Walve 220kV | 12/01/2020 17:15:00 | 70 | 42025.0 | 5812.5 | 1215.62 | -4596.88 | 10.94 | 0.00 | 2.690 | 1191.758394 |
| Walve 220kV | 12/01/2020 17:30:00 | 71 | 42025.0 | 5862.5 | 781.25 | -5081.25 | 12.09 | 0.00 | -3.022 | 0.000000 |
| Walve 220kV | 12/01/2020 17:45:00 | 72 | 42025.0 | 5812.5 | 325.0 | -5487.5 | 13.06 | 0.00 | -2.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walve 220kV | 12/01/2020 18:00:00 | 73 | 42025.0 | 5787.5 | 46.88 | -5740.62 | 13.66 | 0.00 | -0.538 | 0.000000 |
| Walve 220kV | 12/01/2020 18:15:00 | 74 | 42025.0 | 5995.0 | 0.0 | -5995.0 | 14.27 | 0.00 | -4.350 | 0.000000 |
| Walve 220kV | 12/01/2020 18:30:00 | 75 | 42025.0 | 5787.5 | 0.0 | -5787.5 | 13.77 | 0.00 | 2.690 | 995.248294 |
| Walve 220kV | 12/01/2020 18:45:00 | 76 | 42025.0 | 5912.5 | 0.0 | -5912.5 | 14.07 | 0.00 | 3.022 | 6550.259075 |
| Walve 220kV | 12/01/2020 19:00:00 | 77 | 42025.0 | 5812.5 | 0.0 | -5812.5 | 13.83 | 0.00 | 3.686 | 2068.418876 |
| Walve 220kV | 12/01/2020 19:15:00 | 78 | 42025.0 | 5862.5 | 0.0 | -5862.5 | 13.95 | 0.00 | 2.690 | 123.833913 |
| Walve 220kV | 12/01/2020 19:30:00 | 79 | 42025.0 | 5812.5 | 0.0 | -5812.5 | 13.83 | 0.00 | -3.022 | 0.000000 |
| Walve 220kV | 12/01/2020 19:45:00 | 80 | 42025.0 | 5787.5 | 0.0 | -5787.5 | 13.77 | 0.00 | -1.781 | 0.000000 |
| Walve 220kV | 12/01/2020 20:00:00 | 81 | 42025.0 | 5995.0 | 0.0 | -5995.0 | 14.27 | 0.00 | -3.021 | 0.000000 |
| Walve 220kV | 12/01/2020 20:15:00 | 82 | 42025.0 | 5787.5 | 9.38 | -5778.12 | 13.75 | 0.00 | -4.018 | 0.000000 |
| Walve 220kV | 12/01/2020 20:30:00 | 83 | 42025.0 | 5912.5 | 9.38 | -5903.12 | 14.05 | 0.00 | -3.354 | 0.000000 |
| Walve 220kV | 12/01/2020 20:45:00 | 84 | 42025.0 | 5812.5 | 0.0 | -5812.5 | 13.83 | 0.00 | -1.614 | 0.000000 |
| Walve 220kV | 12/01/2020 21:00:00 | 85 | 42025.0 | 5857.5 | 0.0 | -5857.5 | 13.94 | 0.00 | -4.350 | 0.000000 |
| Walve 220kV | 12/01/2020 21:15:00 | 86 | 42025.0 | 5912.5 | 0.0 | -5912.5 | 14.07 | 0.00 | -3.686 | 0.000000 |
| Walve 220kV | 12/01/2020 21:30:00 | 87 | 42025.0 | 5812.5 | 46.88 | -5765.62 | 13.72 | 0.00 | -1.614 | 0.000000 |
| Walve 220kV | 12/01/2020 21:45:00 | 88 | 42025.0 | 5912.5 | 121.88 | -5790.62 | 13.78 | 0.00 | 0.000 | 0.000000 |
| Walve 220kV | 12/01/2020 22:00:00 | 89 | 42025.0 | 5812.5 | 81.25 | -5731.25 | 13.64 | 0.00 | -3.354 | 0.000000 |
| Walve 220kV | 12/01/2020 22:15:00 | 90 | 42025.0 | 5862.5 | 18.75 | -5843.75 | 13.91 | 0.00 | 4.350 | 7134.931201 |
| Walve 220kV | 12/01/2020 22:30:00 | 91 | 42025.0 | 5812.5 | 3.12 | -5809.38 | 13.82 | 0.00 | 5.215 | 13376.891422 |
| Walve 220kV | 12/01/2020 22:45:00 | 92 | 42025.0 | 5787.5 | 3.12 | -5784.38 | 13.76 | 0.00 | 3.022 | 1303.855214 |
| Walve 220kV | 12/01/2020 23:00:00 | 93 | 42025.0 | 5995.0 | 0.0 | -5995.0 | 14.27 | 0.00 | 3.022 | 2959.866917 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Walve 220kV | 12/01/2020 23:15:00 | 94 | 42025.0 | 5787.5 | 0.0 | -5787.5 | 13.77 | 0.00 | 2.152 | 2845.179106 |
| Walve 220kV | 12/01/2020 23:30:00 | 95 | 42025.0 | 5912.5 | 0.0 | -5912.5 | 14.07 | 0.00 | 2.152 | 1672.640597 |
| Walve 220kV | 12/01/2020 23:45:00 | 96 | 42025.0 | 5812.5 | 0.0 | -5812.5 | 13.83 | 0.00 | 2.152 | 1889.345106 |
| Wayphale 220kV | 06/01/2020 00:00:00 | 1 | 7500.0 | 1020.0 | 3275.0 | 2255.0 | 30.07 | 755.00 | 2.903 | 0.000000 |
| Wayphale 220kV | 06/01/2020 00:15:00 | 2 | 7500.0 | 995.0 | 3750.0 | 2755.0 | 36.73 | 1320.00 | 0.000 | 0.000000 |
| Wayphale 220kV | 06/01/2020 00:30:00 | 3 | 7500.0 | 922.5 | 3618.75 | 2696.25 | 35.95 | 1231.88 | 0.000 | 0.000000 |
| Wayphale 220kV | 06/01/2020 00:45:00 | 4 | 7500.0 | 897.5 | 3412.5 | 2515.0 | 33.53 | 1015.00 | -0.984 | 0.000000 |
| Wayphale 220kV | 06/01/2020 01:00:00 | 5 | 7500.0 | 890.0 | 3271.88 | 2381.88 | 31.76 | 881.88 | -3.541 | 0.000000 |
| Wayphale 220kV | 06/01/2020 01:15:00 | 6 | 7500.0 | 877.5 | 2975.0 | 2097.5 | 27.97 | 597.50 | 3.222 | 0.000000 |
| Wayphale 220kV | 06/01/2020 01:30:00 | 7 | 7500.0 | 942.5 | 2840.62 | 1898.12 | 25.31 | 398.12 | 3.541 | 0.000000 |
| Wayphale 220kV | 06/01/2020 01:45:00 | 8 | 7500.0 | 935.0 | 2437.5 | 1502.5 | 20.03 | 188.75 | 2.352 | 0.000000 |
| Wayphale 220kV | 06/01/2020 02:00:00 | 9 | 7500.0 | 927.5 | 2509.38 | 1581.88 | 21.09 | 228.44 | 1.747 | 0.000000 |
| Wayphale 220kV | 06/01/2020 02:15:00 | 10 | 7500.0 | 897.5 | 2450.0 | 1552.5 | 20.7 | 213.75 | 0.581 | 0.000000 |
| Wayphale 220kV | 06/01/2020 02:30:00 | 11 | 7500.0 | 890.0 | 2465.62 | 1575.62 | 21.01 | 225.31 | -2.323 | 0.000000 |
| Wayphale 220kV | 06/01/2020 02:45:00 | 12 | 7500.0 | 935.0 | 2903.12 | 1968.12 | 26.24 | 468.12 | 2.323 | 0.000000 |
| Wayphale 220kV | 06/01/2020 03:00:00 | 13 | 7500.0 | 952.5 | 3128.12 | 2175.62 | 29.01 | 675.62 | 2.323 | 0.000000 |
| Wayphale 220kV | 06/01/2020 03:15:00 | 14 | 7500.0 | 892.5 | 3584.38 | 2691.88 | 35.89 | 1225.32 | -1.742 | -81.066891 |
| Wayphale 220kV | 06/01/2020 03:30:00 | 15 | 7500.0 | 852.5 | 3309.38 | 2456.88 | 32.76 | 956.88 | 3.222 | 0.000000 |
| Wayphale 220kV | 06/01/2020 03:45:00 | 16 | 7500.0 | 917.5 | 3375.0 | 2457.5 | 32.77 | 957.50 | 3.541 | 0.000000 |
| Wayphale 220kV | 06/01/2020 04:00:00 | 17 | 7500.0 | 920.0 | 3271.88 | 2351.88 | 31.36 | 851.88 | 4.496 | 0.000000 |
| Wayphale 220kV | 06/01/2020 04:15:00 | 18 | 7500.0 | 907.5 | 3203.12 | 2295.62 | 30.61 | 795.62 | 3.222 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wayphale 220kV | 06/01/2020 04:30:00 | 19 | 7500.0 | 915.0 | 2765.62 | 1850.62 | 24.67 | 362.81 | 3.859 | 0.000000 |
| Wayphale 220kV | 06/01/2020 04:45:00 | 20 | 7500.0 | 887.5 | 2937.5 | 2050.0 | 27.33 | 550.00 | 4.815 | 0.000000 |
| Wayphale 220kV | 06/01/2020 05:00:00 | 21 | 7500.0 | 917.5 | 3190.62 | 2273.12 | 30.31 | 773.12 | 3.859 | 0.000000 |
| Wayphale 220kV | 06/01/2020 05:15:00 | 22 | 7500.0 | 947.5 | 2834.38 | 1886.88 | 25.16 | 386.88 | 6.407 | 0.000000 |
| Wayphale 220kV | 06/01/2020 05:30:00 | 23 | 7500.0 | 917.5 | 2606.25 | 1688.75 | 22.52 | 281.88 | 6.496 | 0.000000 |
| Wayphale 220kV | 06/01/2020 05:45:00 | 24 | 7500.0 | 927.5 | 2512.5 | 1585.0 | 21.13 | 230.00 | 7.492 | 0.000000 |
| Wayphale 220kV | 06/01/2020 06:00:00 | 25 | 7500.0 | 865.0 | 2403.12 | 1538.12 | 20.51 | 206.56 | -5.452 | 0.000000 |
| Wayphale 220kV | 06/01/2020 06:15:00 | 26 | 7500.0 | 930.0 | 2362.5 | 1432.5 | 19.1 | 153.75 | -6.089 | 0.000000 |
| Wayphale 220kV | 06/01/2020 06:30:00 | 27 | 7500.0 | 922.5 | 2075.0 | 1152.5 | 15.37 | 13.75 | -7.044 | 0.000000 |
| Wayphale 220kV | 06/01/2020 06:45:00 | 28 | 7500.0 | 867.5 | 1621.88 | 754.38 | 10.06 | 0.00 | 7.682 | 0.000000 |
| Wayphale 220kV | 06/01/2020 07:00:00 | 29 | 7500.0 | 860.0 | 1625.0 | 765.0 | 10.2 | 0.00 | -3.859 | 0.000000 |
| Wayphale 220kV | 06/01/2020 07:15:00 | 30 | 7500.0 | 852.5 | 1906.25 | 1053.75 | 14.05 | 0.00 | 4.815 | 0.000000 |
| Wayphale 220kV | 06/01/2020 07:30:00 | 31 | 7500.0 | 830.0 | 2037.5 | 1207.5 | 16.1 | 41.25 | 4.178 | 0.000000 |
| Wayphale 220kV | 06/01/2020 07:45:00 | 32 | 7500.0 | 802.5 | 1890.62 | 1088.12 | 14.51 | 0.00 | -3.540 | -481.358295 |
| Wayphale 220kV | 06/01/2020 08:00:00 | 33 | 7500.0 | 867.5 | 1815.62 | 948.12 | 12.64 | 0.00 | -3.859 | -249.663909 |
| Wayphale 220kV | 06/01/2020 08:15:00 | 34 | 7500.0 | 860.0 | 2084.38 | 1224.38 | 16.33 | 49.69 | -5.452 | -105.199359 |
| Wayphale 220kV | 06/01/2020 08:30:00 | 35 | 7500.0 | 852.5 | 2293.75 | 1441.25 | 19.22 | 158.13 | 4.178 | 0.000000 |
| Wayphale 220kV | 06/01/2020 08:45:00 | 36 | 7500.0 | 920.0 | -1.0 | -921.0 | 12.28 | 0.00 | -3.859 | 0.000000 |
| Wayphale 220kV | 06/01/2020 09:00:00 | 37 | 7500.0 | 920.0 | -1.0 | -921.0 | 12.28 | 0.00 | -6.407 | 0.000000 |
| Wayphale 220kV | 06/01/2020 09:15:00 | 38 | 7500.0 | 922.5 | -1.0 | -923.5 | 12.31 | 0.00 | -8.000 | 0.000000 |
| Wayphale 220kV | 06/01/2020 09:30:00 | 39 | 7500.0 | 897.5 | -1.0 | -898.5 | 11.98 | 0.00 | -5.770 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wayphale 220kV | 06/01/2020 09:45:00 | 40 | 7500.0 | 890.0 | -1.0 | -891.0 | 11.88 | 0.00 | 3.222 | 0.000000 |
| Wayphale 220kV | 06/01/2020 10:00:00 | 41 | 7500.0 | 877.5 | -1.0 | -878.5 | 11.71 | 0.00 | -2.903 | 0.000000 |
| Wayphale 220kV | 06/01/2020 10:15:00 | 42 | 7500.0 | 942.5 | -1.0 | -943.5 | 12.58 | 0.00 | -3.222 | 0.000000 |
| Wayphale 220kV | 06/01/2020 10:30:00 | 43 | 7500.0 | 935.0 | -1.0 | -936.0 | 12.48 | 0.00 | 4.815 | 0.000000 |
| Wayphale 220kV | 06/01/2020 10:45:00 | 44 | 7500.0 | 927.5 | -1.0 | -928.5 | 12.38 | 0.00 | 4.496 | 0.000000 |
| Wayphale 220kV | 06/01/2020 11:00:00 | 45 | 7500.0 | 897.5 | -1.0 | -898.5 | 11.98 | 0.00 | 16.000 | 0.000000 |
| Wayphale 220kV | 06/01/2020 11:15:00 | 46 | 7500.0 | 890.0 | -1.0 | -891.0 | 11.88 | 0.00 | 5.133 | 0.000000 |
| Wayphale 220kV | 06/01/2020 11:30:00 | 47 | 7500.0 | 950.0 | -1.0 | -951.0 | 12.68 | 0.00 | 1.182 | 0.000000 |
| Wayphale 220kV | 06/01/2020 11:45:00 | 48 | 7500.0 | 952.5 | -1.0 | -953.5 | 12.71 | 0.00 | 6.308 | 0.000000 |
| Wayphale 220kV | 06/01/2020 12:00:00 | 49 | 7500.0 | 892.5 | -1.0 | -893.5 | 11.91 | 0.00 | 6.598 | 0.000000 |
| Wayphale 220kV | 06/01/2020 12:15:00 | 50 | 7500.0 | 852.5 | -1.0 | -853.5 | 11.38 | 0.00 | 5.431 | 0.000000 |
| Wayphale 220kV | 06/01/2020 12:30:00 | 51 | 7500.0 | 917.5 | -1.0 | -918.5 | 12.25 | 0.00 | 3.540 | 0.000000 |
| Wayphale 220kV | 06/01/2020 12:45:00 | 52 | 7500.0 | 920.0 | -1.0 | -921.0 | 12.28 | 0.00 | -2.903 | 0.000000 |
| Wayphale 220kV | 06/01/2020 13:00:00 | 53 | 7500.0 | 907.5 | -1.0 | -908.5 | 12.11 | 0.00 | -1.161 | 0.000000 |
| Wayphale 220kV | 06/01/2020 13:15:00 | 54 | 7500.0 | 915.0 | -1.0 | -916.0 | 12.21 | 0.00 | 3.859 | 0.000000 |
| Wayphale 220kV | 06/01/2020 13:30:00 | 55 | 7500.0 | 887.5 | -1.0 | -888.5 | 11.85 | 0.00 | -6.407 | 0.000000 |
| Wayphale 220kV | 06/01/2020 13:45:00 | 56 | 7500.0 | 917.5 | -1.0 | -918.5 | 12.25 | 0.00 | 5.452 | 0.000000 |
| Wayphale 220kV | 06/01/2020 14:00:00 | 57 | 7500.0 | 947.5 | -1.0 | -948.5 | 12.65 | 0.00 | 5.452 | 0.000000 |
| Wayphale 220kV | 06/01/2020 14:15:00 | 58 | 7500.0 | 917.5 | -1.0 | -918.5 | 12.25 | 0.00 | 16.000 | 0.000000 |
| Wayphale 220kV | 06/01/2020 14:30:00 | 59 | 7500.0 | 927.5 | -1.0 | -928.5 | 12.38 | 0.00 | 6.035 | 0.000000 |
| Wayphale 220kV | 06/01/2020 14:45:00 | 60 | 7500.0 | 865.0 | -1.0 | -866.0 | 11.55 | 0.00 | 3.949 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wayphale 220kV | 06/01/2020 15:00:00 | 61 | 7500.0 | 930.0 | -1.0 | -931.0 | 12.41 | 0.00 | 3.367 | 0.000000 |
| Wayphale 220kV | 06/01/2020 15:15:00 | 62 | 7500.0 | 922.5 | -1.0 | -923.5 | 12.31 | 0.00 | 3.904 | 0.000000 |
| Wayphale 220kV | 06/01/2020 15:30:00 | 63 | 7500.0 | 867.5 | -1.0 | -868.5 | 11.58 | 0.00 | 4.482 | 0.000000 |
| Wayphale 220kV | 06/01/2020 15:45:00 | 64 | 7500.0 | 860.0 | -1.0 | -861.0 | 11.48 | 0.00 | 4.225 | 0.000000 |
| Wayphale 220kV | 06/01/2020 16:00:00 | 65 | 7500.0 | 852.5 | -1.0 | -853.5 | 11.38 | 0.00 | 2.895 | 0.000000 |
| Wayphale 220kV | 06/01/2020 16:15:00 | 66 | 7500.0 | 830.0 | -1.0 | -831.0 | 11.08 | 0.00 | 6.089 | 0.000000 |
| Wayphale 220kV | 06/01/2020 16:30:00 | 67 | 7500.0 | 802.5 | -1.0 | -803.5 | 10.71 | 0.00 | -8.000 | 0.000000 |
| Wayphale 220kV | 06/01/2020 16:45:00 | 68 | 7500.0 | 867.5 | -1.0 | -868.5 | 11.58 | 0.00 | -4.178 | 0.000000 |
| Wayphale 220kV | 06/01/2020 17:00:00 | 69 | 7500.0 | 860.0 | -1.0 | -861.0 | 11.48 | 0.00 | 1.742 | 0.000000 |
| Wayphale 220kV | 06/01/2020 17:15:00 | 70 | 7500.0 | 852.5 | -1.0 | -853.5 | 11.38 | 0.00 | 2.903 | 0.000000 |
| Wayphale 220kV | 06/01/2020 17:30:00 | 71 | 7500.0 | 920.0 | -1.0 | -921.0 | 12.28 | 0.00 | -4.178 | 0.000000 |
| Wayphale 220kV | 06/01/2020 17:45:00 | 72 | 7500.0 | 920.0 | -1.0 | -921.0 | 12.28 | 0.00 | -2.323 | 0.000000 |
| Wayphale 220kV | 06/01/2020 18:00:00 | 73 | 7500.0 | 922.5 | -1.0 | -923.5 | 12.31 | 0.00 | -2.903 | 0.000000 |
| Wayphale 220kV | 06/01/2020 18:15:00 | 74 | 7500.0 | 897.5 | -1.0 | -898.5 | 11.98 | 0.00 | 1.161 | 233.663439 |
| Wayphale 220kV | 06/01/2020 18:30:00 | 75 | 7500.0 | 890.0 | -1.0 | -891.0 | 11.88 | 0.00 | 2.903 | 758.894627 |
| Wayphale 220kV | 06/01/2020 18:45:00 | 76 | 7500.0 | 877.5 | -1.0 | -878.5 | 11.71 | 0.00 | 2.903 | 17.713389 |
| Wayphale 220kV | 06/01/2020 19:00:00 | 77 | 7500.0 | 942.5 | -1.0 | -943.5 | 12.58 | 0.00 | -1.161 | 0.000000 |
| Wayphale 220kV | 06/01/2020 19:15:00 | 78 | 7500.0 | 935.0 | -1.0 | -936.0 | 12.48 | 0.00 | -4.178 | 0.000000 |
| Wayphale 220kV | 06/01/2020 19:30:00 | 79 | 7500.0 | 927.5 | -1.0 | -928.5 | 12.38 | 0.00 | -2.323 | 0.000000 |
| Wayphale 220kV | 06/01/2020 19:45:00 | 80 | 7500.0 | 897.5 | -1.0 | -898.5 | 11.98 | 0.00 | -4.178 | 0.000000 |
| Wayphale 220kV | 06/01/2020 20:00:00 | 81 | 7500.0 | 890.0 | -1.0 | -891.0 | 11.88 | 0.00 | -4.496 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wayphale 220kV | 06/01/2020 20:15:00 | 82 | 7500.0 | 950.0 | -1.0 | -951.0 | 12.68 | 0.00 | -5.770 | 0.000000 |
| Wayphale 220kV | 06/01/2020 20:30:00 | 83 | 7500.0 | 952.5 | -1.0 | -953.5 | 12.71 | 0.00 | 5.770 | 129.917400 |
| Wayphale 220kV | 06/01/2020 20:45:00 | 84 | 7500.0 | 892.5 | -1.0 | -893.5 | 11.91 | 0.00 | 4.178 | 369.509898 |
| Wayphale 220kV | 06/01/2020 21:00:00 | 85 | 7500.0 | 852.5 | -1.0 | -853.5 | 11.38 | 0.00 | 3.222 | 186.726541 |
| Wayphale 220kV | 06/01/2020 21:15:00 | 86 | 7500.0 | 917.5 | -1.0 | -918.5 | 12.25 | 0.00 | -1.742 | 0.000000 |
| Wayphale 220kV | 06/01/2020 21:30:00 | 87 | 7500.0 | 920.0 | -1.0 | -921.0 | 12.28 | 0.00 | 0.000 | 0.000000 |
| Wayphale 220kV | 06/01/2020 21:45:00 | 88 | 7500.0 | 907.5 | -1.0 | -908.5 | 12.11 | 0.00 | 1.161 | 0.000000 |
| Wayphale 220kV | 06/01/2020 22:00:00 | 89 | 7500.0 | 915.0 | -1.0 | -916.0 | 12.21 | 0.00 | 4.815 | 536.342825 |
| Wayphale 220kV | 06/01/2020 22:15:00 | 90 | 7500.0 | 887.5 | -1.0 | -888.5 | 11.85 | 0.00 | 3.859 | 536.743775 |
| Wayphale 220kV | 06/01/2020 22:30:00 | 91 | 7500.0 | 917.5 | -1.0 | -918.5 | 12.25 | 0.00 | 1.742 | 0.000000 |
| Wayphale 220kV | 06/01/2020 22:45:00 | 92 | 7500.0 | 947.5 | -1.0 | -948.5 | 12.65 | 0.00 | -2.323 | 0.000000 |
| Wayphale 220kV | 06/01/2020 23:00:00 | 93 | 7500.0 | 917.5 | -1.0 | -918.5 | 12.25 | 0.00 | -2.903 | 0.000000 |
| Wayphale 220kV | 06/01/2020 23:15:00 | 94 | 7500.0 | 927.5 | -1.0 | -928.5 | 12.38 | 0.00 | 2.323 | 0.000000 |
| Wayphale 220kV | 06/01/2020 23:30:00 | 95 | 7500.0 | 865.0 | -1.0 | -866.0 | 11.55 | 0.00 | -3.222 | 0.000000 |
| Wayphale 220kV | 06/01/2020 23:45:00 | 96 | 7500.0 | 930.0 | -1.0 | -931.0 | 12.41 | 0.00 | 2.323 | 0.000000 |
| Wayphale 220kV | 07/01/2020 00:00:00 | 1 | 7500.0 | 1020.0 | 0.0 | -1020.0 | 13.6 | 0.00 | -0.549 | 0.000000 |
| Wayphale 220kV | 07/01/2020 00:15:00 | 2 | 7500.0 | 995.0 | 0.0 | -995.0 | 13.27 | 0.00 | -1.647 | 0.000000 |
| Wayphale 220kV | 07/01/2020 00:30:00 | 3 | 7500.0 | 922.5 | 0.0 | -922.5 | 12.3 | 0.00 | -3.073 | 0.000000 |
| Wayphale 220kV | 07/01/2020 00:45:00 | 4 | 7500.0 | 897.5 | 0.0 | -897.5 | 11.97 | 0.00 | -2.744 | 0.000000 |
| Wayphale 220kV | 07/01/2020 01:00:00 | 5 | 7500.0 | 890.0 | 0.0 | -890.0 | 11.87 | 0.00 | -4.058 | 0.000000 |
| Wayphale 220kV | 07/01/2020 01:15:00 | 6 | 7500.0 | 877.5 | 0.0 | -877.5 | 11.7 | 0.00 | -4.058 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wayphale 220kV | 07/01/2020 01:30:00 | 7 | 7500.0 | 942.5 | 0.0 | -942.5 | 12.57 | 0.00 | -3.401 | 0.000000 |
| Wayphale 220kV | 07/01/2020 01:45:00 | 8 | 7500.0 | 935.0 | 0.0 | -935.0 | 12.47 | 0.00 | 3.730 | 0.000000 |
| Wayphale 220kV | 07/01/2020 02:00:00 | 9 | 7500.0 | 927.5 | 0.0 | -927.5 | 12.37 | 0.00 | 3.073 | 201.923650 |
| Wayphale 220kV | 07/01/2020 02:15:00 | 10 | 7500.0 | 897.5 | 0.0 | -897.5 | 11.97 | 0.00 | 3.073 | 87.371334 |
| Wayphale 220kV | 07/01/2020 02:30:00 | 11 | 7500.0 | 890.0 | 0.0 | -890.0 | 11.87 | 0.00 | 3.401 | 121.184231 |
| Wayphale 220kV | 07/01/2020 02:45:00 | 12 | 7500.0 | 935.0 | 0.0 | -935.0 | 12.47 | 0.00 | 2.745 | 126.978922 |
| Wayphale 220kV | 07/01/2020 03:00:00 | 13 | 7500.0 | 952.5 | 0.0 | -952.5 | 12.7 | 0.00 | 1.647 | 0.000000 |
| Wayphale 220kV | 07/01/2020 03:15:00 | 14 | 7500.0 | 892.5 | 0.0 | -892.5 | 11.9 | 0.00 | 2.196 | 57.256270 |
| Wayphale 220kV | 07/01/2020 03:30:00 | 15 | 7500.0 | 852.5 | 0.0 | -852.5 | 11.37 | 0.00 | 1.647 | 72.761450 |
| Wayphale 220kV | 07/01/2020 03:45:00 | 16 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | 1.098 | 0.000000 |
| Wayphale 220kV | 07/01/2020 04:00:00 | 17 | 7500.0 | 920.0 | 0.0 | -920.0 | 12.27 | 0.00 | 1.647 | 336.903917 |
| Wayphale 220kV | 07/01/2020 04:15:00 | 18 | 7500.0 | 907.5 | 0.0 | -907.5 | 12.1 | 0.00 | 2.210 | 649.732016 |
| Wayphale 220kV | 07/01/2020 04:30:00 | 19 | 7500.0 | 915.0 | 0.0 | -915.0 | 12.2 | 0.00 | 3.730 | 925.057479 |
| Wayphale 220kV | 07/01/2020 04:45:00 | 20 | 7500.0 | 887.5 | 0.0 | -887.5 | 11.83 | 0.00 | -1.098 | 0.000000 |
| Wayphale 220kV | 07/01/2020 05:00:00 | 21 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | -2.744 | 0.000000 |
| Wayphale 220kV | 07/01/2020 05:15:00 | 22 | 7500.0 | 947.5 | 0.0 | -947.5 | 12.63 | 0.00 | 3.730 | 486.748224 |
| Wayphale 220kV | 07/01/2020 05:30:00 | 23 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | 3.073 | 1058.886952 |
| Wayphale 220kV | 07/01/2020 05:45:00 | 24 | 7500.0 | 927.5 | 0.0 | -927.5 | 12.37 | 0.00 | 3.730 | 831.559407 |
| Wayphale 220kV | 07/01/2020 06:00:00 | 25 | 7500.0 | 865.0 | 0.0 | -865.0 | 11.53 | 0.00 | -5.372 | 0.000000 |
| Wayphale 220kV | 07/01/2020 06:15:00 | 26 | 7500.0 | 930.0 | 0.0 | -930.0 | 12.4 | 0.00 | 4.556 | 3098.850842 |
| Wayphale 220kV | 07/01/2020 06:30:00 | 27 | 7500.0 | 922.5 | 0.0 | -922.5 | 12.3 | 0.00 | 7.148 | 5322.076819 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wayphale 220kV | 07/01/2020 06:45:00 | 28 | 7500.0 | 867.5 | 0.0 | -867.5 | 11.57 | 0.00 | 7.821 | 4589.260089 |
| Wayphale 220kV | 07/01/2020 07:00:00 | 29 | 7500.0 | 860.0 | 0.0 | -860.0 | 11.47 | 0.00 | 5.372 | 2285.405072 |
| Wayphale 220kV | 07/01/2020 07:15:00 | 30 | 7500.0 | 852.5 | 0.0 | -852.5 | 11.37 | 0.00 | 16.000 | 0.000000 |
| Wayphale 220kV | 07/01/2020 07:30:00 | 31 | 7500.0 | 830.0 | 0.0 | -830.0 | 11.07 | 0.00 | 9.296 | 0.000000 |
| Wayphale 220kV | 07/01/2020 07:45:00 | 32 | 7500.0 | 802.5 | 0.0 | -802.5 | 10.7 | 0.00 | 9.794 | 0.000000 |
| Wayphale 220kV | 07/01/2020 08:00:00 | 33 | 7500.0 | 867.5 | 0.0 | -867.5 | 11.57 | 0.00 | 3.593 | 0.000000 |
| Wayphale 220kV | 07/01/2020 08:15:00 | 34 | 7500.0 | 860.0 | 0.0 | -860.0 | 11.47 | 0.00 | 3.401 | 0.000000 |
| Wayphale 220kV | 07/01/2020 08:30:00 | 35 | 7500.0 | 852.5 | 0.0 | -852.5 | 11.37 | 0.00 | 3.245 | 0.000000 |
| Wayphale 220kV | 07/01/2020 08:45:00 | 36 | 7500.0 | 920.0 | 0.0 | -920.0 | 12.27 | 0.00 | 0.000 | 0.000000 |
| Wayphale 220kV | 07/01/2020 09:00:00 | 37 | 7500.0 | 920.0 | 0.0 | -920.0 | 12.27 | 0.00 | 2.745 | 0.000000 |
| Wayphale 220kV | 07/01/2020 09:15:00 | 38 | 7500.0 | 922.5 | 0.0 | -922.5 | 12.3 | 0.00 | 4.715 | 0.000000 |
| Wayphale 220kV | 07/01/2020 09:30:00 | 39 | 7500.0 | 897.5 | 0.0 | -897.5 | 11.97 | 0.00 | 3.981 | 0.000000 |
| Wayphale 220kV | 07/01/2020 09:45:00 | 40 | 7500.0 | 890.0 | 0.0 | -890.0 | 11.87 | 0.00 | 3.730 | 0.000000 |
| Wayphale 220kV | 07/01/2020 10:00:00 | 41 | 7500.0 | 877.5 | 0.0 | -877.5 | 11.7 | 0.00 | 1.780 | 0.000000 |
| Wayphale 220kV | 07/01/2020 10:15:00 | 42 | 7500.0 | 942.5 | 0.0 | -942.5 | 12.57 | 0.00 | 5.643 | 0.000000 |
| Wayphale 220kV | 07/01/2020 10:30:00 | 43 | 7500.0 | 935.0 | 0.0 | -935.0 | 12.47 | 0.00 | 4.976 | 0.000000 |
| Wayphale 220kV | 07/01/2020 10:45:00 | 44 | 7500.0 | 927.5 | 0.0 | -927.5 | 12.37 | 0.00 | 4.415 | 0.000000 |
| Wayphale 220kV | 07/01/2020 11:00:00 | 45 | 7500.0 | 897.5 | 0.0 | -897.5 | 11.97 | 0.00 | 4.476 | 0.000000 |
| Wayphale 220kV | 07/01/2020 11:15:00 | 46 | 7500.0 | 890.0 | 0.0 | -890.0 | 11.87 | 0.00 | 4.826 | 0.000000 |
| Wayphale 220kV | 07/01/2020 11:30:00 | 47 | 7500.0 | 950.0 | 0.0 | -950.0 | 12.67 | 0.00 | 2.289 | 0.000000 |
| Wayphale 220kV | 07/01/2020 11:45:00 | 48 | 7500.0 | 952.5 | 0.0 | -952.5 | 12.7 | 0.00 | -0.549 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wayphale 220kV | 07/01/2020 12:00:00 | 49 | 7500.0 | 892.5 | 0.0 | -892.5 | 11.9 | 0.00 | 4.727 | 0.000000 |
| Wayphale 220kV | 07/01/2020 12:15:00 | 50 | 7500.0 | 852.5 | 0.0 | -852.5 | 11.37 | 0.00 | 4.777 | 0.000000 |
| Wayphale 220kV | 07/01/2020 12:30:00 | 51 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | 4.798 | 0.000000 |
| Wayphale 220kV | 07/01/2020 12:45:00 | 52 | 7500.0 | 920.0 | 0.0 | -920.0 | 12.27 | 0.00 | -3.401 | 0.000000 |
| Wayphale 220kV | 07/01/2020 13:00:00 | 53 | 7500.0 | 907.5 | 0.0 | -907.5 | 12.1 | 0.00 | -2.431 | 0.000000 |
| Wayphale 220kV | 07/01/2020 13:15:00 | 54 | 7500.0 | 915.0 | 0.0 | -915.0 | 12.2 | 0.00 | -4.387 | 0.000000 |
| Wayphale 220kV | 07/01/2020 13:30:00 | 55 | 7500.0 | 887.5 | 0.0 | -887.5 | 11.83 | 0.00 | -3.401 | 0.000000 |
| Wayphale 220kV | 07/01/2020 13:45:00 | 56 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | -5.044 | 0.000000 |
| Wayphale 220kV | 07/01/2020 14:00:00 | 57 | 7500.0 | 947.5 | 0.0 | -947.5 | 12.63 | 0.00 | 4.215 | 0.000000 |
| Wayphale 220kV | 07/01/2020 14:15:00 | 58 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | 9.552 | 0.000000 |
| Wayphale 220kV | 07/01/2020 14:30:00 | 59 | 7500.0 | 927.5 | 0.0 | -927.5 | 12.37 | 0.00 | 6.358 | 0.000000 |
| Wayphale 220kV | 07/01/2020 14:45:00 | 60 | 7500.0 | 865.0 | 0.0 | -865.0 | 11.53 | 0.00 | 2.744 | 0.000000 |
| Wayphale 220kV | 07/01/2020 15:00:00 | 61 | 7500.0 | 930.0 | 0.0 | -930.0 | 12.4 | 0.00 | -3.073 | 0.000000 |
| Wayphale 220kV | 07/01/2020 15:15:00 | 62 | 7500.0 | 922.5 | 0.0 | -922.5 | 12.3 | 0.00 | -4.058 | 0.000000 |
| Wayphale 220kV | 07/01/2020 15:30:00 | 63 | 7500.0 | 867.5 | 0.0 | -867.5 | 11.57 | 0.00 | -4.831 | 0.000000 |
| Wayphale 220kV | 07/01/2020 15:45:00 | 64 | 7500.0 | 860.0 | 0.0 | -860.0 | 11.47 | 0.00 | -5.372 | 0.000000 |
| Wayphale 220kV | 07/01/2020 16:00:00 | 65 | 7500.0 | 852.5 | 0.0 | -852.5 | 11.37 | 0.00 | 2.196 | 0.000000 |
| Wayphale 220kV | 07/01/2020 16:15:00 | 66 | 7500.0 | 830.0 | 0.0 | -830.0 | 11.07 | 0.00 | -3.401 | 0.000000 |
| Wayphale 220kV | 07/01/2020 16:30:00 | 67 | 7500.0 | 802.5 | 0.0 | -802.5 | 10.7 | 0.00 | 4.738 | 0.000000 |
| Wayphale 220kV | 07/01/2020 16:45:00 | 68 | 7500.0 | 867.5 | 0.0 | -867.5 | 11.57 | 0.00 | 7.343 | 0.000000 |
| Wayphale 220kV | 07/01/2020 17:00:00 | 69 | 7500.0 | 860.0 | 0.0 | -860.0 | 11.47 | 0.00 | 1.647 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wayphale 220kV | 07/01/2020 17:15:00 | 70 | 7500.0 | 852.5 | 0.0 | -852.5 | 11.37 | 0.00 | 2.744 | 141.810074 |
| Wayphale 220kV | 07/01/2020 17:30:00 | 71 | 7500.0 | 920.0 | 0.0 | -920.0 | 12.27 | 0.00 | 3.401 | 60.747078 |
| Wayphale 220kV | 07/01/2020 17:45:00 | 72 | 7500.0 | 920.0 | 0.0 | -920.0 | 12.27 | 0.00 | -2.745 | 0.000000 |
| Wayphale 220kV | 07/01/2020 18:00:00 | 73 | 7500.0 | 922.5 | 0.0 | -922.5 | 12.3 | 0.00 | -3.073 | 0.000000 |
| Wayphale 220kV | 07/01/2020 18:15:00 | 74 | 7500.0 | 897.5 | 0.0 | -897.5 | 11.97 | 0.00 | -5.372 | 0.000000 |
| Wayphale 220kV | 07/01/2020 18:30:00 | 75 | 7500.0 | 890.0 | 0.0 | -890.0 | 11.87 | 0.00 | 3.401 | 0.000000 |
| Wayphale 220kV | 07/01/2020 18:45:00 | 76 | 7500.0 | 877.5 | 0.0 | -877.5 | 11.7 | 0.00 | -3.401 | 0.000000 |
| Wayphale 220kV | 07/01/2020 19:00:00 | 77 | 7500.0 | 942.5 | 0.0 | -942.5 | 12.57 | 0.00 | -3.730 | 0.000000 |
| Wayphale 220kV | 07/01/2020 19:15:00 | 78 | 7500.0 | 935.0 | 0.0 | -935.0 | 12.47 | 0.00 | -4.715 | 0.000000 |
| Wayphale 220kV | 07/01/2020 19:30:00 | 79 | 7500.0 | 927.5 | 0.0 | -927.5 | 12.37 | 0.00 | -4.058 | 0.000000 |
| Wayphale 220kV | 07/01/2020 19:45:00 | 80 | 7500.0 | 897.5 | 0.0 | -897.5 | 11.97 | 0.00 | -2.210 | 0.000000 |
| Wayphale 220kV | 07/01/2020 20:00:00 | 81 | 7500.0 | 890.0 | 0.0 | -890.0 | 11.87 | 0.00 | -2.348 | 0.000000 |
| Wayphale 220kV | 07/01/2020 20:15:00 | 82 | 7500.0 | 950.0 | 0.0 | -950.0 | 12.67 | 0.00 | 4.387 | 1482.619443 |
| Wayphale 220kV | 07/01/2020 20:30:00 | 83 | 7500.0 | 952.5 | 0.0 | -952.5 | 12.7 | 0.00 | 3.816 | 1943.756288 |
| Wayphale 220kV | 07/01/2020 20:45:00 | 84 | 7500.0 | 892.5 | 0.0 | -892.5 | 11.9 | 0.00 | 3.401 | 438.517403 |
| Wayphale 220kV | 07/01/2020 21:00:00 | 85 | 7500.0 | 852.5 | 0.0 | -852.5 | 11.37 | 0.00 | -4.058 | 0.000000 |
| Wayphale 220kV | 07/01/2020 21:15:00 | 86 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | 1.647 | 486.307196 |
| Wayphale 220kV | 07/01/2020 21:30:00 | 87 | 7500.0 | 920.0 | 0.0 | -920.0 | 12.27 | 0.00 | 2.196 | 293.373283 |
| Wayphale 220kV | 07/01/2020 21:45:00 | 88 | 7500.0 | 907.5 | 0.0 | -907.5 | 12.1 | 0.00 | -2.196 | 0.000000 |
| Wayphale 220kV | 07/01/2020 22:00:00 | 89 | 7500.0 | 915.0 | 0.0 | -915.0 | 12.2 | 0.00 | -3.257 | 0.000000 |
| Wayphale 220kV | 07/01/2020 22:15:00 | 90 | 7500.0 | 887.5 | 0.0 | -887.5 | 11.83 | 0.00 | -1.900 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wayphale 220kV | 07/01/2020 22:30:00 | 91 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | -1.098 | 0.000000 |
| Wayphale 220kV | 07/01/2020 22:45:00 | 92 | 7500.0 | 947.5 | 0.0 | -947.5 | 12.63 | 0.00 | -1.647 | 0.000000 |
| Wayphale 220kV | 07/01/2020 23:00:00 | 93 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | -3.401 | 0.000000 |
| Wayphale 220kV | 07/01/2020 23:15:00 | 94 | 7500.0 | 927.5 | 0.0 | -927.5 | 12.37 | 0.00 | 1.647 | 0.000000 |
| Wayphale 220kV | 07/01/2020 23:30:00 | 95 | 7500.0 | 865.0 | 0.0 | -865.0 | 11.53 | 0.00 | -2.196 | 0.000000 |
| Wayphale 220kV | 07/01/2020 23:45:00 | 96 | 7500.0 | 930.0 | 0.0 | -930.0 | 12.4 | 0.00 | -0.549 | 0.000000 |
| Wayphale 220kV | 08/01/2020 00:00:00 | 1 | 7500.0 | 1020.0 | 0.0 | -1020.0 | 13.6 | 0.00 | -2.220 | 0.000000 |
| Wayphale 220kV | 08/01/2020 00:15:00 | 2 | 7500.0 | 995.0 | 0.0 | -995.0 | 13.27 | 0.00 | -3.101 | 0.000000 |
| Wayphale 220kV | 08/01/2020 00:30:00 | 3 | 7500.0 | 922.5 | 0.0 | -922.5 | 12.3 | 0.00 | -3.101 | 0.000000 |
| Wayphale 220kV | 08/01/2020 00:45:00 | 4 | 7500.0 | 897.5 | 0.0 | -897.5 | 11.97 | 0.00 | -2.424 | 0.000000 |
| Wayphale 220kV | 08/01/2020 01:00:00 | 5 | 7500.0 | 890.0 | 0.0 | -890.0 | 11.87 | 0.00 | -2.170 | 0.000000 |
| Wayphale 220kV | 08/01/2020 01:15:00 | 6 | 7500.0 | 877.5 | 0.0 | -877.5 | 11.7 | 0.00 | -1.761 | 0.000000 |
| Wayphale 220kV | 08/01/2020 01:30:00 | 7 | 7500.0 | 942.5 | 0.0 | -942.5 | 12.57 | 0.00 | -1.665 | 0.000000 |
| Wayphale 220kV | 08/01/2020 01:45:00 | 8 | 7500.0 | 935.0 | 0.0 | -935.0 | 12.47 | 0.00 | -1.665 | 0.000000 |
| Wayphale 220kV | 08/01/2020 02:00:00 | 9 | 7500.0 | 927.5 | 0.0 | -927.5 | 12.37 | 0.00 | -1.110 | 0.000000 |
| Wayphale 220kV | 08/01/2020 02:15:00 | 10 | 7500.0 | 897.5 | 0.0 | -897.5 | 11.97 | 0.00 | -1.347 | 0.000000 |
| Wayphale 220kV | 08/01/2020 02:30:00 | 11 | 7500.0 | 890.0 | 0.0 | -890.0 | 11.87 | 0.00 | -3.101 | 0.000000 |
| Wayphale 220kV | 08/01/2020 02:45:00 | 12 | 7500.0 | 935.0 | 0.0 | -935.0 | 12.47 | 0.00 | -2.220 | 0.000000 |
| Wayphale 220kV | 08/01/2020 03:00:00 | 13 | 7500.0 | 952.5 | 0.0 | -952.5 | 12.7 | 0.00 | -3.428 | 0.000000 |
| Wayphale 220kV | 08/01/2020 03:15:00 | 14 | 7500.0 | 892.5 | 0.0 | -892.5 | 11.9 | 0.00 | -2.220 | 0.000000 |
| Wayphale 220kV | 08/01/2020 03:30:00 | 15 | 7500.0 | 852.5 | 0.0 | -852.5 | 11.37 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wayphale 220kV | 08/01/2020 03:45:00 | 16 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | -2.775 | 0.000000 |
| Wayphale 220kV | 08/01/2020 04:00:00 | 17 | 7500.0 | 920.0 | 0.0 | -920.0 | 12.27 | 0.00 | -3.101 | 0.000000 |
| Wayphale 220kV | 08/01/2020 04:15:00 | 18 | 7500.0 | 907.5 | 0.0 | -907.5 | 12.1 | 0.00 | -1.665 | 0.000000 |
| Wayphale 220kV | 08/01/2020 04:30:00 | 19 | 7500.0 | 915.0 | 0.0 | -915.0 | 12.2 | 0.00 | -2.220 | 0.000000 |
| Wayphale 220kV | 08/01/2020 04:45:00 | 20 | 7500.0 | 887.5 | 0.0 | -887.5 | 11.83 | 0.00 | -2.775 | 0.000000 |
| Wayphale 220kV | 08/01/2020 05:00:00 | 21 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | -1.110 | 0.000000 |
| Wayphale 220kV | 08/01/2020 05:15:00 | 22 | 7500.0 | 947.5 | 0.0 | -947.5 | 12.63 | 0.00 | 2.775 | 45.658183 |
| Wayphale 220kV | 08/01/2020 05:30:00 | 23 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | -3.428 | 0.000000 |
| Wayphale 220kV | 08/01/2020 05:45:00 | 24 | 7500.0 | 927.5 | 0.0 | -927.5 | 12.37 | 0.00 | -2.775 | 0.000000 |
| Wayphale 220kV | 08/01/2020 06:00:00 | 25 | 7500.0 | 865.0 | 0.0 | -865.0 | 11.53 | 0.00 | -2.220 | 0.000000 |
| Wayphale 220kV | 08/01/2020 06:15:00 | 26 | 7500.0 | 930.0 | 0.0 | -930.0 | 12.4 | 0.00 | 2.220 | 190.412778 |
| Wayphale 220kV | 08/01/2020 06:30:00 | 27 | 7500.0 | 922.5 | 0.0 | -922.5 | 12.3 | 0.00 | 5.387 | 1660.465233 |
| Wayphale 220kV | 08/01/2020 06:45:00 | 28 | 7500.0 | 867.5 | 0.0 | -867.5 | 11.57 | 0.00 | -4.734 | 0.000000 |
| Wayphale 220kV | 08/01/2020 07:00:00 | 29 | 7500.0 | 860.0 | 0.0 | -860.0 | 11.47 | 0.00 | -4.407 | 0.000000 |
| Wayphale 220kV | 08/01/2020 07:15:00 | 30 | 7500.0 | 852.5 | 0.0 | -852.5 | 11.37 | 0.00 | 5.061 | 1502.602411 |
| Wayphale 220kV | 08/01/2020 07:30:00 | 31 | 7500.0 | 830.0 | 0.0 | -830.0 | 11.07 | 0.00 | 5.714 | 1399.795136 |
| Wayphale 220kV | 08/01/2020 07:45:00 | 32 | 7500.0 | 802.5 | 0.0 | -802.5 | 10.7 | 0.00 | 5.061 | 532.085070 |
| Wayphale 220kV | 08/01/2020 08:00:00 | 33 | 7500.0 | 867.5 | 0.0 | -867.5 | 11.57 | 0.00 | 2.775 | 0.000000 |
| Wayphale 220kV | 08/01/2020 08:15:00 | 34 | 7500.0 | 860.0 | 0.0 | -860.0 | 11.47 | 0.00 | 2.775 | 0.000000 |
| Wayphale 220kV | 08/01/2020 08:30:00 | 35 | 7500.0 | 852.5 | 0.0 | -852.5 | 11.37 | 0.00 | 5.387 | 0.000000 |
| Wayphale 220kV | 08/01/2020 08:45:00 | 36 | 7500.0 | 920.0 | 0.0 | -920.0 | 12.27 | 0.00 | 16.000 | 0.000000 |

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| Wayphale 220kV | 08/01/2020 09:00:00 | 37 | 7500.0 | 920.0 | 0.0 | -920.0 | 12.27 | 0.00 | 7.673 | 0.000000 |
| Wayphale 220kV | 08/01/2020 09:15:00 | 38 | 7500.0 | 922.5 | 0.0 | -922.5 | 12.3 | 0.00 | 7.673 | 0.000000 |
| Wayphale 220kV | 08/01/2020 09:30:00 | 39 | 7500.0 | 897.5 | 0.0 | -897.5 | 11.97 | 0.00 | 3.101 | 0.000000 |
| Wayphale 220kV | 08/01/2020 09:45:00 | 40 | 7500.0 | 890.0 | 0.0 | -890.0 | 11.87 | 0.00 | -3.101 | 0.000000 |
| Wayphale 220kV | 08/01/2020 10:00:00 | 41 | 7500.0 | 877.5 | 0.0 | -877.5 | 11.7 | 0.00 | -3.101 | 0.000000 |
| Wayphale 220kV | 08/01/2020 10:15:00 | 42 | 7500.0 | 942.5 | 0.0 | -942.5 | 12.57 | 0.00 | -3.101 | 0.000000 |
| Wayphale 220kV | 08/01/2020 10:30:00 | 43 | 7500.0 | 935.0 | 0.0 | -935.0 | 12.47 | 0.00 | -1.665 | 0.000000 |
| Wayphale 220kV | 08/01/2020 10:45:00 | 44 | 7500.0 | 927.5 | 0.0 | -927.5 | 12.37 | 0.00 | 0.000 | 0.000000 |
| Wayphale 220kV | 08/01/2020 11:00:00 | 45 | 7500.0 | 897.5 | 0.0 | -897.5 | 11.97 | 0.00 | -1.486 | 0.000000 |
| Wayphale 220kV | 08/01/2020 11:15:00 | 46 | 7500.0 | 890.0 | 0.0 | -890.0 | 11.87 | 0.00 | -1.305 | 0.000000 |
| Wayphale 220kV | 08/01/2020 11:30:00 | 47 | 7500.0 | 950.0 | 0.0 | -950.0 | 12.67 | 0.00 | -2.425 | 0.000000 |
| Wayphale 220kV | 08/01/2020 11:45:00 | 48 | 7500.0 | 952.5 | 0.0 | -952.5 | 12.7 | 0.00 | -2.775 | 0.000000 |
| Wayphale 220kV | 08/01/2020 12:00:00 | 49 | 7500.0 | 892.5 | 0.0 | -892.5 | 11.9 | 0.00 | -2.083 | 0.000000 |
| Wayphale 220kV | 08/01/2020 12:15:00 | 50 | 7500.0 | 852.5 | 0.0 | -852.5 | 11.37 | 0.00 | -3.242 | 0.000000 |
| Wayphale 220kV | 08/01/2020 12:30:00 | 51 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | -1.330 | 0.000000 |
| Wayphale 220kV | 08/01/2020 12:45:00 | 52 | 7500.0 | 920.0 | 0.0 | -920.0 | 12.27 | 0.00 | -0.830 | 0.000000 |
| Wayphale 220kV | 08/01/2020 13:00:00 | 53 | 7500.0 | 907.5 | 0.0 | -907.5 | 12.1 | 0.00 | 2.775 | 0.000000 |
| Wayphale 220kV | 08/01/2020 13:15:00 | 54 | 7500.0 | 915.0 | 0.0 | -915.0 | 12.2 | 0.00 | 0.000 | 0.000000 |
| Wayphale 220kV | 08/01/2020 13:30:00 | 55 | 7500.0 | 887.5 | 0.0 | -887.5 | 11.83 | 0.00 | -1.012 | 0.000000 |
| Wayphale 220kV | 08/01/2020 13:45:00 | 56 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | -1.087 | 0.000000 |
| Wayphale 220kV | 08/01/2020 14:00:00 | 57 | 7500.0 | 947.5 | 0.0 | -947.5 | 12.63 | 0.00 | -3.101 | 0.000000 |

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| Wayphale 220kV | 08/01/2020 14:15:00 | 58 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | -4.081 | 0.000000 |
| Wayphale 220kV | 08/01/2020 14:30:00 | 59 | 7500.0 | 927.5 | 0.0 | -927.5 | 12.37 | 0.00 | -2.996 | 0.000000 |
| Wayphale 220kV | 08/01/2020 14:45:00 | 60 | 7500.0 | 865.0 | 0.0 | -865.0 | 11.53 | 0.00 | -3.101 | 0.000000 |
| Wayphale 220kV | 08/01/2020 15:00:00 | 61 | 7500.0 | 930.0 | 0.0 | -930.0 | 12.4 | 0.00 | -1.879 | 0.000000 |
| Wayphale 220kV | 08/01/2020 15:15:00 | 62 | 7500.0 | 922.5 | 0.0 | -922.5 | 12.3 | 0.00 | -4.081 | 0.000000 |
| Wayphale 220kV | 08/01/2020 15:30:00 | 63 | 7500.0 | 867.5 | 0.0 | -867.5 | 11.57 | 0.00 | 4.938 | 0.000000 |
| Wayphale 220kV | 08/01/2020 15:45:00 | 64 | 7500.0 | 860.0 | 0.0 | -860.0 | 11.47 | 0.00 | 4.719 | 0.000000 |
| Wayphale 220kV | 08/01/2020 16:00:00 | 65 | 7500.0 | 852.5 | 0.0 | -852.5 | 11.37 | 0.00 | 0.555 | 0.000000 |
| Wayphale 220kV | 08/01/2020 16:15:00 | 66 | 7500.0 | 830.0 | 0.0 | -830.0 | 11.07 | 0.00 | -4.081 | 0.000000 |
| Wayphale 220kV | 08/01/2020 16:30:00 | 67 | 7500.0 | 802.5 | 0.0 | -802.5 | 10.7 | 0.00 | -3.754 | 0.000000 |
| Wayphale 220kV | 08/01/2020 16:45:00 | 68 | 7500.0 | 867.5 | 0.0 | -867.5 | 11.57 | 0.00 | -8.000 | 0.000000 |
| Wayphale 220kV | 08/01/2020 17:00:00 | 69 | 7500.0 | 860.0 | 0.0 | -860.0 | 11.47 | 0.00 | 0.000 | 0.000000 |
| Wayphale 220kV | 08/01/2020 17:15:00 | 70 | 7500.0 | 852.5 | 0.0 | -852.5 | 11.37 | 0.00 | 4.081 | 163.531145 |
| Wayphale 220kV | 08/01/2020 17:30:00 | 71 | 7500.0 | 920.0 | 0.0 | -920.0 | 12.27 | 0.00 | -5.387 | 0.000000 |
| Wayphale 220kV | 08/01/2020 17:45:00 | 72 | 7500.0 | 920.0 | 0.0 | -920.0 | 12.27 | 0.00 | -3.101 | 0.000000 |
| Wayphale 220kV | 08/01/2020 18:00:00 | 73 | 7500.0 | 922.5 | 0.0 | -922.5 | 12.3 | 0.00 | -2.775 | 0.000000 |
| Wayphale 220kV | 08/01/2020 18:15:00 | 74 | 7500.0 | 897.5 | 0.0 | -897.5 | 11.97 | 0.00 | -3.101 | 0.000000 |
| Wayphale 220kV | 08/01/2020 18:30:00 | 75 | 7500.0 | 890.0 | 0.0 | -890.0 | 11.87 | 0.00 | -2.220 | 0.000000 |
| Wayphale 220kV | 08/01/2020 18:45:00 | 76 | 7500.0 | 877.5 | 0.0 | -877.5 | 11.7 | 0.00 | 2.220 | 691.710891 |
| Wayphale 220kV | 08/01/2020 19:00:00 | 77 | 7500.0 | 942.5 | 0.0 | -942.5 | 12.57 | 0.00 | 1.110 | 0.000000 |
| Wayphale 220kV | 08/01/2020 19:15:00 | 78 | 7500.0 | 935.0 | 0.0 | -935.0 | 12.47 | 0.00 | -2.220 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wayphale 220kV | 08/01/2020 19:30:00 | 79 | 7500.0 | 927.5 | 0.0 | -927.5 | 12.37 | 0.00 | -2.220 | 0.000000 |
| Wayphale 220kV | 08/01/2020 19:45:00 | 80 | 7500.0 | 897.5 | 0.0 | -897.5 | 11.97 | 0.00 | -0.555 | 0.000000 |
| Wayphale 220kV | 08/01/2020 20:00:00 | 81 | 7500.0 | 890.0 | 0.0 | -890.0 | 11.87 | 0.00 | 2.775 | 0.000000 |
| Wayphale 220kV | 08/01/2020 20:15:00 | 82 | 7500.0 | 950.0 | 0.0 | -950.0 | 12.67 | 0.00 | 3.101 | 1588.477410 |
| Wayphale 220kV | 08/01/2020 20:30:00 | 83 | 7500.0 | 952.5 | 0.0 | -952.5 | 12.7 | 0.00 | 4.408 | 2157.611419 |
| Wayphale 220kV | 08/01/2020 20:45:00 | 84 | 7500.0 | 892.5 | 0.0 | -892.5 | 11.9 | 0.00 | 3.101 | 584.051969 |
| Wayphale 220kV | 08/01/2020 21:00:00 | 85 | 7500.0 | 852.5 | 0.0 | -852.5 | 11.37 | 0.00 | 3.101 | 0.000000 |
| Wayphale 220kV | 08/01/2020 21:15:00 | 86 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | -0.555 | 0.000000 |
| Wayphale 220kV | 08/01/2020 21:30:00 | 87 | 7500.0 | 920.0 | 0.0 | -920.0 | 12.27 | 0.00 | -1.110 | 0.000000 |
| Wayphale 220kV | 08/01/2020 21:45:00 | 88 | 7500.0 | 907.5 | 0.0 | -907.5 | 12.1 | 0.00 | -1.110 | 0.000000 |
| Wayphale 220kV | 08/01/2020 22:00:00 | 89 | 7500.0 | 915.0 | 0.0 | -915.0 | 12.2 | 0.00 | -2.489 | 0.000000 |
| Wayphale 220kV | 08/01/2020 22:15:00 | 90 | 7500.0 | 887.5 | 0.0 | -887.5 | 11.83 | 0.00 | -2.775 | 0.000000 |
| Wayphale 220kV | 08/01/2020 22:30:00 | 91 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | -2.223 | 0.000000 |
| Wayphale 220kV | 08/01/2020 22:45:00 | 92 | 7500.0 | 947.5 | 0.0 | -947.5 | 12.63 | 0.00 | 1.110 | 0.000000 |
| Wayphale 220kV | 08/01/2020 23:00:00 | 93 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | 1.110 | 97.953224 |
| Wayphale 220kV | 08/01/2020 23:15:00 | 94 | 7500.0 | 927.5 | 0.0 | -927.5 | 12.37 | 0.00 | 1.110 | 0.000000 |
| Wayphale 220kV | 08/01/2020 23:30:00 | 95 | 7500.0 | 865.0 | 0.0 | -865.0 | 11.53 | 0.00 | 2.775 | 7.863300 |
| Wayphale 220kV | 08/01/2020 23:45:00 | 96 | 7500.0 | 930.0 | 0.0 | -930.0 | 12.4 | 0.00 | 0.000 | 0.000000 |
| Wayphale 220kV | 09/01/2020 00:00:00 | 1 | 7500.0 | 1020.0 | 0.0 | -1020.0 | 13.6 | 0.00 | -0.576 | 0.000000 |
| Wayphale 220kV | 09/01/2020 00:15:00 | 2 | 7500.0 | 995.0 | 0.0 | -995.0 | 13.27 | 0.00 | -1.727 | 0.000000 |
| Wayphale 220kV | 09/01/2020 00:30:00 | 3 | 7500.0 | 922.5 | 0.0 | -922.5 | 12.3 | 0.00 | -2.879 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wayphale 220kV | 09/01/2020 00:45:00 | 4 | 7500.0 | 897.5 | 0.0 | -897.5 | 11.97 | 0.00 | -2.879 | 0.000000 |
| Wayphale 220kV | 09/01/2020 01:00:00 | 5 | 7500.0 | 890.0 | 0.0 | -890.0 | 11.87 | 0.00 | -3.519 | 0.000000 |
| Wayphale 220kV | 09/01/2020 01:15:00 | 6 | 7500.0 | 877.5 | 0.0 | -877.5 | 11.7 | 0.00 | -3.519 | 0.000000 |
| Wayphale 220kV | 09/01/2020 01:30:00 | 7 | 7500.0 | 942.5 | 0.0 | -942.5 | 12.57 | 0.00 | -3.199 | 0.000000 |
| Wayphale 220kV | 09/01/2020 01:45:00 | 8 | 7500.0 | 935.0 | 0.0 | -935.0 | 12.47 | 0.00 | 3.519 | 227.193334 |
| Wayphale 220kV | 09/01/2020 02:00:00 | 9 | 7500.0 | 927.5 | 0.0 | -927.5 | 12.37 | 0.00 | 3.519 | 1021.092146 |
| Wayphale 220kV | 09/01/2020 02:15:00 | 10 | 7500.0 | 897.5 | 0.0 | -897.5 | 11.97 | 0.00 | 2.879 | 433.346488 |
| Wayphale 220kV | 09/01/2020 02:30:00 | 11 | 7500.0 | 890.0 | 0.0 | -890.0 | 11.87 | 0.00 | 3.199 | 618.271553 |
| Wayphale 220kV | 09/01/2020 02:45:00 | 12 | 7500.0 | 1010.0 | 0.0 | -1010.0 | 13.47 | 0.00 | 1.152 | 0.000000 |
| Wayphale 220kV | 09/01/2020 03:00:00 | 13 | 7500.0 | 952.5 | 0.0 | -952.5 | 12.7 | 0.00 | -2.879 | 0.000000 |
| Wayphale 220kV | 09/01/2020 03:15:00 | 14 | 7500.0 | 892.5 | 0.0 | -892.5 | 11.9 | 0.00 | -3.839 | 0.000000 |
| Wayphale 220kV | 09/01/2020 03:30:00 | 15 | 7500.0 | 852.5 | 0.0 | -852.5 | 11.37 | 0.00 | 3.199 | 0.000000 |
| Wayphale 220kV | 09/01/2020 03:45:00 | 16 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | 0.000 | 0.000000 |
| Wayphale 220kV | 09/01/2020 04:00:00 | 17 | 7500.0 | 920.0 | 0.0 | -920.0 | 12.27 | 0.00 | 1.727 | 0.000000 |
| Wayphale 220kV | 09/01/2020 04:15:00 | 18 | 7500.0 | 907.5 | 0.0 | -907.5 | 12.1 | 0.00 | 1.727 | 0.000000 |
| Wayphale 220kV | 09/01/2020 04:30:00 | 19 | 7500.0 | 915.0 | 0.0 | -915.0 | 12.2 | 0.00 | 1.727 | 0.000000 |
| Wayphale 220kV | 09/01/2020 04:45:00 | 20 | 7500.0 | 887.5 | 0.0 | -887.5 | 11.83 | 0.00 | 2.879 | 764.856441 |
| Wayphale 220kV | 09/01/2020 05:00:00 | 21 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | 3.839 | 457.996464 |
| Wayphale 220kV | 09/01/2020 05:15:00 | 22 | 7500.0 | 947.5 | 0.0 | -947.5 | 12.63 | 0.00 | 5.119 | 1337.398869 |
| Wayphale 220kV | 09/01/2020 05:30:00 | 23 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | 4.064 | 2360.180458 |
| Wayphale 220kV | 09/01/2020 05:45:00 | 24 | 7500.0 | 927.5 | 0.0 | -927.5 | 12.37 | 0.00 | 1.152 | 6.543366 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wayphale 220kV | 09/01/2020 06:00:00 | 25 | 7500.0 | 865.0 | 0.0 | -865.0 | 11.53 | 0.00 | -2.303 | 0.000000 |
| Wayphale 220kV | 09/01/2020 06:15:00 | 26 | 7500.0 | 930.0 | 0.0 | -930.0 | 12.4 | 0.00 | 2.303 | 618.588671 |
| Wayphale 220kV | 09/01/2020 06:30:00 | 27 | 7500.0 | 922.5 | 0.0 | -922.5 | 12.3 | 0.00 | -3.839 | 0.000000 |
| Wayphale 220kV | 09/01/2020 06:45:00 | 28 | 7500.0 | 867.5 | 0.0 | -867.5 | 11.57 | 0.00 | -2.879 | 0.000000 |
| Wayphale 220kV | 09/01/2020 07:00:00 | 29 | 7500.0 | 860.0 | 0.0 | -860.0 | 11.47 | 0.00 | -2.879 | 0.000000 |
| Wayphale 220kV | 09/01/2020 07:15:00 | 30 | 7500.0 | 852.5 | 0.0 | -852.5 | 11.37 | 0.00 | 6.400 | 424.124518 |
| Wayphale 220kV | 09/01/2020 07:30:00 | 31 | 7500.0 | 830.0 | 0.0 | -830.0 | 11.07 | 0.00 | 1.172 | 0.000000 |
| Wayphale 220kV | 09/01/2020 07:45:00 | 32 | 7500.0 | 802.5 | 0.0 | -802.5 | 10.7 | 0.00 | 0.576 | 0.000000 |
| Wayphale 220kV | 09/01/2020 08:00:00 | 33 | 7500.0 | 867.5 | 0.0 | -867.5 | 11.57 | 0.00 | -0.576 | 0.000000 |
| Wayphale 220kV | 09/01/2020 08:15:00 | 34 | 7500.0 | 860.0 | 0.0 | -860.0 | 11.47 | 0.00 | -1.152 | 0.000000 |
| Wayphale 220kV | 09/01/2020 08:30:00 | 35 | 7500.0 | 852.5 | 0.0 | -852.5 | 11.37 | 0.00 | 0.576 | 0.000000 |
| Wayphale 220kV | 09/01/2020 08:45:00 | 36 | 7500.0 | 920.0 | 0.0 | -920.0 | 12.27 | 0.00 | 0.000 | 0.000000 |
| Wayphale 220kV | 09/01/2020 09:00:00 | 37 | 7500.0 | 920.0 | 0.0 | -920.0 | 12.27 | 0.00 | 1.152 | 0.000000 |
| Wayphale 220kV | 09/01/2020 09:15:00 | 38 | 7500.0 | 922.5 | 0.0 | -922.5 | 12.3 | 0.00 | 1.727 | 0.000000 |
| Wayphale 220kV | 09/01/2020 09:30:00 | 39 | 7500.0 | 897.5 | 0.0 | -897.5 | 11.97 | 0.00 | -3.839 | 0.000000 |
| Wayphale 220kV | 09/01/2020 09:45:00 | 40 | 7500.0 | 890.0 | 0.0 | -890.0 | 11.87 | 0.00 | -1.152 | 0.000000 |
| Wayphale 220kV | 09/01/2020 10:00:00 | 41 | 7500.0 | 877.5 | 0.0 | -877.5 | 11.7 | 0.00 | 0.000 | 0.000000 |
| Wayphale 220kV | 09/01/2020 10:15:00 | 42 | 7500.0 | 942.5 | 0.0 | -942.5 | 12.57 | 0.00 | 1.727 | 0.000000 |
| Wayphale 220kV | 09/01/2020 10:30:00 | 43 | 7500.0 | 935.0 | 0.0 | -935.0 | 12.47 | 0.00 | 2.303 | 0.000000 |
| Wayphale 220kV | 09/01/2020 10:45:00 | 44 | 7500.0 | 927.5 | 0.0 | -927.5 | 12.37 | 0.00 | -1.144 | 0.000000 |
| Wayphale 220kV | 09/01/2020 11:00:00 | 45 | 7500.0 | 897.5 | 0.0 | -897.5 | 11.97 | 0.00 | -4.479 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wayphale 220kV | 09/01/2020 11:15:00 | 46 | 7500.0 | 890.0 | 0.0 | -890.0 | 11.87 | 0.00 | -3.519 | 0.000000 |
| Wayphale 220kV | 09/01/2020 11:30:00 | 47 | 7500.0 | 950.0 | 0.0 | -950.0 | 12.67 | 0.00 | -2.303 | 0.000000 |
| Wayphale 220kV | 09/01/2020 11:45:00 | 48 | 7500.0 | 952.5 | 0.0 | -952.5 | 12.7 | 0.00 | -0.576 | 0.000000 |
| Wayphale 220kV | 09/01/2020 12:00:00 | 49 | 7500.0 | 892.5 | 0.0 | -892.5 | 11.9 | 0.00 | 0.000 | 0.000000 |
| Wayphale 220kV | 09/01/2020 12:15:00 | 50 | 7500.0 | 852.5 | 0.0 | -852.5 | 11.37 | 0.00 | 3.839 | 0.000000 |
| Wayphale 220kV | 09/01/2020 12:30:00 | 51 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | 3.199 | 0.000000 |
| Wayphale 220kV | 09/01/2020 12:45:00 | 52 | 7500.0 | 920.0 | 0.0 | -920.0 | 12.27 | 0.00 | 3.199 | 0.000000 |
| Wayphale 220kV | 09/01/2020 13:00:00 | 53 | 7500.0 | 907.5 | 0.0 | -907.5 | 12.1 | 0.00 | -1.152 | 0.000000 |
| Wayphale 220kV | 09/01/2020 13:15:00 | 54 | 7500.0 | 915.0 | 0.0 | -915.0 | 12.2 | 0.00 | -1.152 | 0.000000 |
| Wayphale 220kV | 09/01/2020 13:30:00 | 55 | 7500.0 | 887.5 | 0.0 | -887.5 | 11.83 | 0.00 | 1.727 | 0.000000 |
| Wayphale 220kV | 09/01/2020 13:45:00 | 56 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | 3.199 | 0.000000 |
| Wayphale 220kV | 09/01/2020 14:00:00 | 57 | 7500.0 | 947.5 | 0.0 | -947.5 | 12.63 | 0.00 | 4.345 | 0.000000 |
| Wayphale 220kV | 09/01/2020 14:15:00 | 58 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | 3.941 | 0.000000 |
| Wayphale 220kV | 09/01/2020 14:30:00 | 59 | 7500.0 | 927.5 | 0.0 | -927.5 | 12.37 | 0.00 | 1.152 | 0.000000 |
| Wayphale 220kV | 09/01/2020 14:45:00 | 60 | 7500.0 | 865.0 | 0.0 | -865.0 | 11.53 | 0.00 | -0.576 | 0.000000 |
| Wayphale 220kV | 09/01/2020 15:00:00 | 61 | 7500.0 | 930.0 | 0.0 | -930.0 | 12.4 | 0.00 | -1.006 | 0.000000 |
| Wayphale 220kV | 09/01/2020 15:15:00 | 62 | 7500.0 | 922.5 | 0.0 | -922.5 | 12.3 | 0.00 | 3.199 | 0.000000 |
| Wayphale 220kV | 09/01/2020 15:30:00 | 63 | 7500.0 | 867.5 | 0.0 | -867.5 | 11.57 | 0.00 | 2.879 | 0.000000 |
| Wayphale 220kV | 09/01/2020 15:45:00 | 64 | 7500.0 | 860.0 | 0.0 | -860.0 | 11.47 | 0.00 | 3.839 | 0.000000 |
| Wayphale 220kV | 09/01/2020 16:00:00 | 65 | 7500.0 | 852.5 | 0.0 | -852.5 | 11.37 | 0.00 | 1.727 | 0.000000 |
| Wayphale 220kV | 09/01/2020 16:15:00 | 66 | 7500.0 | 830.0 | 0.0 | -830.0 | 11.07 | 0.00 | -1.727 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wayphale 220kV | 09/01/2020 16:30:00 | 67 | 7500.0 | 802.5 | 0.0 | -802.5 | 10.7 | 0.00 | -4.159 | 0.000000 |
| Wayphale 220kV | 09/01/2020 16:45:00 | 68 | 7500.0 | 867.5 | 0.0 | -867.5 | 11.57 | 0.00 | 3.839 | 0.000000 |
| Wayphale 220kV | 09/01/2020 17:00:00 | 69 | 7500.0 | 860.0 | 0.0 | -860.0 | 11.47 | 0.00 | 1.727 | 0.000000 |
| Wayphale 220kV | 09/01/2020 17:15:00 | 70 | 7500.0 | 852.5 | 0.0 | -852.5 | 11.37 | 0.00 | 3.839 | 293.017714 |
| Wayphale 220kV | 09/01/2020 17:30:00 | 71 | 7500.0 | 920.0 | 0.0 | -920.0 | 12.27 | 0.00 | -2.879 | 0.000000 |
| Wayphale 220kV | 09/01/2020 17:45:00 | 72 | 7500.0 | 920.0 | 0.0 | -920.0 | 12.27 | 0.00 | -4.146 | 0.000000 |
| Wayphale 220kV | 09/01/2020 18:00:00 | 73 | 7500.0 | 922.5 | 0.0 | -922.5 | 12.3 | 0.00 | -3.349 | 0.000000 |
| Wayphale 220kV | 09/01/2020 18:15:00 | 74 | 7500.0 | 897.5 | 0.0 | -897.5 | 11.97 | 0.00 | -4.563 | 0.000000 |
| Wayphale 220kV | 09/01/2020 18:30:00 | 75 | 7500.0 | 890.0 | 0.0 | -890.0 | 11.87 | 0.00 | -3.839 | 0.000000 |
| Wayphale 220kV | 09/01/2020 18:45:00 | 76 | 7500.0 | 877.5 | 0.0 | -877.5 | 11.7 | 0.00 | -2.879 | 0.000000 |
| Wayphale 220kV | 09/01/2020 19:00:00 | 77 | 7500.0 | 942.5 | 0.0 | -942.5 | 12.57 | 0.00 | -3.199 | 0.000000 |
| Wayphale 220kV | 09/01/2020 19:15:00 | 78 | 7500.0 | 935.0 | 0.0 | -935.0 | 12.47 | 0.00 | -1.727 | 0.000000 |
| Wayphale 220kV | 09/01/2020 19:30:00 | 79 | 7500.0 | 927.5 | 0.0 | -927.5 | 12.37 | 0.00 | -1.442 | 0.000000 |
| Wayphale 220kV | 09/01/2020 19:45:00 | 80 | 7500.0 | 897.5 | 0.0 | -897.5 | 11.97 | 0.00 | -0.286 | 0.000000 |
| Wayphale 220kV | 09/01/2020 20:00:00 | 81 | 7500.0 | 890.0 | 0.0 | -890.0 | 11.87 | 0.00 | -1.070 | 0.000000 |
| Wayphale 220kV | 09/01/2020 20:15:00 | 82 | 7500.0 | 950.0 | 0.0 | -950.0 | 12.67 | 0.00 | -2.236 | 0.000000 |
| Wayphale 220kV | 09/01/2020 20:30:00 | 83 | 7500.0 | 952.5 | 0.0 | -952.5 | 12.7 | 0.00 | -4.799 | 0.000000 |
| Wayphale 220kV | 09/01/2020 20:45:00 | 84 | 7500.0 | 892.5 | 0.0 | -892.5 | 11.9 | 0.00 | -1.727 | 0.000000 |
| Wayphale 220kV | 09/01/2020 21:00:00 | 85 | 7500.0 | 852.5 | 0.0 | -852.5 | 11.37 | 0.00 | -1.727 | 0.000000 |
| Wayphale 220kV | 09/01/2020 21:15:00 | 86 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | 1.152 | 0.000000 |
| Wayphale 220kV | 09/01/2020 21:30:00 | 87 | 7500.0 | 920.0 | 0.0 | -920.0 | 12.27 | 0.00 | 1.152 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wayphale 220kV | 09/01/2020 21:45:00 | 88 | 7500.0 | 907.5 | 0.0 | -907.5 | 12.1 | 0.00 | -2.303 | 0.000000 |
| Wayphale 220kV | 09/01/2020 22:00:00 | 89 | 7500.0 | 915.0 | 0.0 | -915.0 | 12.2 | 0.00 | -2.795 | 0.000000 |
| Wayphale 220kV | 09/01/2020 22:15:00 | 90 | 7500.0 | 887.5 | 0.0 | -887.5 | 11.83 | 0.00 | -3.674 | 0.000000 |
| Wayphale 220kV | 09/01/2020 22:30:00 | 91 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | -2.303 | 0.000000 |
| Wayphale 220kV | 09/01/2020 22:45:00 | 92 | 7500.0 | 947.5 | 0.0 | -947.5 | 12.63 | 0.00 | -1.152 | 0.000000 |
| Wayphale 220kV | 09/01/2020 23:00:00 | 93 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | 0.000 | 0.000000 |
| Wayphale 220kV | 09/01/2020 23:15:00 | 94 | 7500.0 | 927.5 | 0.0 | -927.5 | 12.37 | 0.00 | -0.576 | 0.000000 |
| Wayphale 220kV | 09/01/2020 23:30:00 | 95 | 7500.0 | 865.0 | 0.0 | -865.0 | 11.53 | 0.00 | -0.576 | 0.000000 |
| Wayphale 220kV | 09/01/2020 23:45:00 | 96 | 7500.0 | 930.0 | 0.0 | -930.0 | 12.4 | 0.00 | -0.987 | 0.000000 |
| Wayphale 220kV | 10/01/2020 00:00:00 | 1 | 7500.0 | 907.5 | 0.0 | -907.5 | 12.1 | 0.00 | -0.680 | 0.000000 |
| Wayphale 220kV | 10/01/2020 00:15:00 | 2 | 7500.0 | 915.0 | 0.0 | -915.0 | 12.2 | 0.00 | -3.326 | 0.000000 |
| Wayphale 220kV | 10/01/2020 00:30:00 | 3 | 7500.0 | 887.5 | 0.0 | -887.5 | 11.83 | 0.00 | -2.992 | 0.000000 |
| Wayphale 220kV | 10/01/2020 00:45:00 | 4 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | -0.532 | 0.000000 |
| Wayphale 220kV | 10/01/2020 01:00:00 | 5 | 7500.0 | 947.5 | 0.0 | -947.5 | 12.63 | 0.00 | -0.713 | 0.000000 |
| Wayphale 220kV | 10/01/2020 01:15:00 | 6 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | -0.548 | 0.000000 |
| Wayphale 220kV | 10/01/2020 01:30:00 | 7 | 7500.0 | 927.5 | 0.0 | -927.5 | 12.37 | 0.00 | -2.658 | 0.000000 |
| Wayphale 220kV | 10/01/2020 01:45:00 | 8 | 7500.0 | 865.0 | 0.0 | -865.0 | 11.53 | 0.00 | 2.127 | 0.000000 |
| Wayphale 220kV | 10/01/2020 02:00:00 | 9 | 7500.0 | 1090.0 | 0.0 | -1090.0 | 14.53 | 0.00 | 5.342 | 2135.713046 |
| Wayphale 220kV | 10/01/2020 02:15:00 | 10 | 7500.0 | 1095.0 | 0.0 | -1095.0 | 14.6 | 0.00 | 1.595 | 0.000000 |
| Wayphale 220kV | 10/01/2020 02:30:00 | 11 | 7500.0 | 1132.5 | 0.0 | -1132.5 | 15.1 | 3.75 | 3.326 | 0.000000 |
| Wayphale 220kV | 10/01/2020 02:45:00 | 12 | 7500.0 | 1160.0 | 0.0 | -1160.0 | 15.47 | 17.50 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wayphale 220kV | 10/01/2020 03:00:00 | 13 | 7500.0 | 1197.5 | 0.0 | -1197.5 | 15.97 | 36.25 | 2.658 | 0.000000 |
| Wayphale 220kV | 10/01/2020 03:15:00 | 14 | 7500.0 | 1227.5 | 0.0 | -1227.5 | 16.37 | 51.25 | 2.127 | 194.635810 |
| Wayphale 220kV | 10/01/2020 03:30:00 | 15 | 7500.0 | 1302.5 | 0.0 | -1302.5 | 17.37 | 88.75 | 2.127 | 244.857872 |
| Wayphale 220kV | 10/01/2020 03:45:00 | 16 | 7500.0 | 1377.5 | 0.0 | -1377.5 | 18.37 | 126.25 | -1.063 | 0.000000 |
| Wayphale 220kV | 10/01/2020 04:00:00 | 17 | 7500.0 | 1455.0 | 0.0 | -1455.0 | 19.4 | 165.00 | 1.595 | 0.000000 |
| Wayphale 220kV | 10/01/2020 04:15:00 | 18 | 7500.0 | 1532.5 | 0.0 | -1532.5 | 20.43 | 203.75 | 3.326 | 911.284147 |
| Wayphale 220kV | 10/01/2020 04:30:00 | 19 | 7500.0 | 1470.0 | 0.0 | -1470.0 | 19.6 | 172.50 | 3.326 | 0.000000 |
| Wayphale 220kV | 10/01/2020 04:45:00 | 20 | 7500.0 | 1415.0 | 0.0 | -1415.0 | 18.87 | 145.00 | 2.127 | 0.000000 |
| Wayphale 220kV | 10/01/2020 05:00:00 | 21 | 7500.0 | 1355.0 | 0.0 | -1355.0 | 18.07 | 115.00 | 2.992 | 0.000000 |
| Wayphale 220kV | 10/01/2020 05:15:00 | 22 | 7500.0 | 1297.5 | 0.0 | -1297.5 | 17.3 | 86.25 | 1.063 | 0.000000 |
| Wayphale 220kV | 10/01/2020 05:30:00 | 23 | 7500.0 | 1060.0 | 0.0 | -1060.0 | 14.13 | 0.00 | -2.658 | 0.000000 |
| Wayphale 220kV | 10/01/2020 05:45:00 | 24 | 7500.0 | 852.5 | 0.0 | -852.5 | 11.37 | 0.00 | 2.127 | 0.000000 |
| Wayphale 220kV | 10/01/2020 06:00:00 | 25 | 7500.0 | 877.5 | 0.0 | -877.5 | 11.7 | 0.00 | -2.127 | 0.000000 |
| Wayphale 220kV | 10/01/2020 06:15:00 | 26 | 7500.0 | 942.5 | 0.0 | -942.5 | 12.57 | 0.00 | 2.658 | 239.101825 |
| Wayphale 220kV | 10/01/2020 06:30:00 | 27 | 7500.0 | 935.0 | 0.0 | -935.0 | 12.47 | 0.00 | -2.992 | 0.000000 |
| Wayphale 220kV | 10/01/2020 06:45:00 | 28 | 7500.0 | 927.5 | 0.0 | -927.5 | 12.37 | 0.00 | -3.077 | 0.000000 |
| Wayphale 220kV | 10/01/2020 07:00:00 | 29 | 7500.0 | 897.5 | 0.0 | -897.5 | 11.97 | 0.00 | -0.687 | 0.000000 |
| Wayphale 220kV | 10/01/2020 07:15:00 | 30 | 7500.0 | 890.0 | 0.0 | -890.0 | 11.87 | 0.00 | -2.658 | 0.000000 |
| Wayphale 220kV | 10/01/2020 07:30:00 | 31 | 7500.0 | 950.0 | 0.0 | -950.0 | 12.67 | 0.00 | -1.063 | 0.000000 |
| Wayphale 220kV | 10/01/2020 07:45:00 | 32 | 7500.0 | 952.5 | 0.0 | -952.5 | 12.7 | 0.00 | -2.658 | 0.000000 |
| Wayphale 220kV | 10/01/2020 08:00:00 | 33 | 7500.0 | 892.5 | 0.0 | -892.5 | 11.9 | 0.00 | -4.328 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wayphale 220kV | 10/01/2020 08:15:00 | 34 | 7500.0 | 852.5 | 0.0 | -852.5 | 11.37 | 0.00 | -4.661 | 0.000000 |
| Wayphale 220kV | 10/01/2020 08:30:00 | 35 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | 5.663 | 0.000000 |
| Wayphale 220kV | 10/01/2020 08:45:00 | 36 | 7500.0 | 920.0 | 0.0 | -920.0 | 12.27 | 0.00 | 4.328 | 0.000000 |
| Wayphale 220kV | 10/01/2020 09:00:00 | 37 | 7500.0 | 907.5 | 0.0 | -907.5 | 12.1 | 0.00 | -4.995 | 0.000000 |
| Wayphale 220kV | 10/01/2020 09:15:00 | 38 | 7500.0 | 915.0 | 0.0 | -915.0 | 12.2 | 0.00 | -4.327 | 0.000000 |
| Wayphale 220kV | 10/01/2020 09:30:00 | 39 | 7500.0 | 887.5 | 0.0 | -887.5 | 11.83 | 0.00 | -2.127 | 0.000000 |
| Wayphale 220kV | 10/01/2020 09:45:00 | 40 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | -1.152 | 0.000000 |
| Wayphale 220kV | 10/01/2020 10:00:00 | 41 | 7500.0 | 947.5 | 0.0 | -947.5 | 12.63 | 0.00 | 0.000 | 0.000000 |
| Wayphale 220kV | 10/01/2020 10:15:00 | 42 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | -0.532 | 0.000000 |
| Wayphale 220kV | 10/01/2020 10:30:00 | 43 | 7500.0 | 927.5 | 0.0 | -927.5 | 12.37 | 0.00 | -1.063 | 0.000000 |
| Wayphale 220kV | 10/01/2020 10:45:00 | 44 | 7500.0 | 865.0 | 0.0 | -865.0 | 11.53 | 0.00 | 0.000 | 0.000000 |
| Wayphale 220kV | 10/01/2020 11:00:00 | 45 | 7500.0 | 930.0 | 0.0 | -930.0 | 12.4 | 0.00 | 2.658 | 0.000000 |
| Wayphale 220kV | 10/01/2020 11:15:00 | 46 | 7500.0 | 922.5 | 0.0 | -922.5 | 12.3 | 0.00 | 0.000 | 0.000000 |
| Wayphale 220kV | 10/01/2020 11:30:00 | 47 | 7500.0 | 867.5 | 0.0 | -867.5 | 11.57 | 0.00 | -1.595 | 0.000000 |
| Wayphale 220kV | 10/01/2020 11:45:00 | 48 | 7500.0 | 860.0 | 0.0 | -860.0 | 11.47 | 0.00 | 2.992 | 0.000000 |
| Wayphale 220kV | 10/01/2020 12:00:00 | 49 | 7500.0 | 852.5 | 0.0 | -852.5 | 11.37 | 0.00 | 0.000 | 0.000000 |
| Wayphale 220kV | 10/01/2020 12:15:00 | 50 | 7500.0 | 830.0 | 0.0 | -830.0 | 11.07 | 0.00 | 2.127 | 0.000000 |
| Wayphale 220kV | 10/01/2020 12:30:00 | 51 | 7500.0 | 877.5 | 0.0 | -877.5 | 11.7 | 0.00 | 1.595 | 0.000000 |
| Wayphale 220kV | 10/01/2020 12:45:00 | 52 | 7500.0 | 942.5 | 0.0 | -942.5 | 12.57 | 0.00 | -1.063 | 0.000000 |
| Wayphale 220kV | 10/01/2020 13:00:00 | 53 | 7500.0 | 935.0 | 0.0 | -935.0 | 12.47 | 0.00 | 2.658 | 0.000000 |
| Wayphale 220kV | 10/01/2020 13:15:00 | 54 | 7500.0 | 927.5 | 0.0 | -927.5 | 12.37 | 0.00 | 2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wayphale 220kV | 10/01/2020 13:30:00 | 55 | 7500.0 | 897.5 | 0.0 | -897.5 | 11.97 | 0.00 | 2.127 | 0.000000 |
| Wayphale 220kV | 10/01/2020 13:45:00 | 56 | 7500.0 | 890.0 | 0.0 | -890.0 | 11.87 | 0.00 | -3.326 | 0.000000 |
| Wayphale 220kV | 10/01/2020 14:00:00 | 57 | 7500.0 | 950.0 | 0.0 | -950.0 | 12.67 | 0.00 | -2.992 | 0.000000 |
| Wayphale 220kV | 10/01/2020 14:15:00 | 58 | 7500.0 | 952.5 | 0.0 | -952.5 | 12.7 | 0.00 | 3.660 | 0.000000 |
| Wayphale 220kV | 10/01/2020 14:30:00 | 59 | 7500.0 | 892.5 | 0.0 | -892.5 | 11.9 | 0.00 | -2.127 | 0.000000 |
| Wayphale 220kV | 10/01/2020 14:45:00 | 60 | 7500.0 | 852.5 | 0.0 | -852.5 | 11.37 | 0.00 | -2.127 | 0.000000 |
| Wayphale 220kV | 10/01/2020 15:00:00 | 61 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | 0.000 | 0.000000 |
| Wayphale 220kV | 10/01/2020 15:15:00 | 62 | 7500.0 | 920.0 | 0.0 | -920.0 | 12.27 | 0.00 | -2.992 | 0.000000 |
| Wayphale 220kV | 10/01/2020 15:30:00 | 63 | 7500.0 | 907.5 | 0.0 | -907.5 | 12.1 | 0.00 | -4.995 | 0.000000 |
| Wayphale 220kV | 10/01/2020 15:45:00 | 64 | 7500.0 | 915.0 | 0.0 | -915.0 | 12.2 | 0.00 | -4.327 | 0.000000 |
| Wayphale 220kV | 10/01/2020 16:00:00 | 65 | 7500.0 | 887.5 | 0.0 | -887.5 | 11.83 | 0.00 | -4.995 | 0.000000 |
| Wayphale 220kV | 10/01/2020 16:15:00 | 66 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | -8.000 | 0.000000 |
| Wayphale 220kV | 10/01/2020 16:30:00 | 67 | 7500.0 | 947.5 | 0.0 | -947.5 | 12.63 | 0.00 | -8.000 | 0.000000 |
| Wayphale 220kV | 10/01/2020 16:45:00 | 68 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | 4.327 | 0.000000 |
| Wayphale 220kV | 10/01/2020 17:00:00 | 69 | 7500.0 | 927.5 | 0.0 | -927.5 | 12.37 | 0.00 | 0.532 | 0.000000 |
| Wayphale 220kV | 10/01/2020 17:15:00 | 70 | 7500.0 | 865.0 | 0.0 | -865.0 | 11.53 | 0.00 | -1.595 | 0.000000 |
| Wayphale 220kV | 10/01/2020 17:30:00 | 71 | 7500.0 | 930.0 | 0.0 | -930.0 | 12.4 | 0.00 | -2.658 | 0.000000 |
| Wayphale 220kV | 10/01/2020 17:45:00 | 72 | 7500.0 | 922.5 | 0.0 | -922.5 | 12.3 | 0.00 | -2.127 | 0.000000 |
| Wayphale 220kV | 10/01/2020 18:00:00 | 73 | 7500.0 | 867.5 | 0.0 | -867.5 | 11.57 | 0.00 | -1.461 | 0.000000 |
| Wayphale 220kV | 10/01/2020 18:15:00 | 74 | 7500.0 | 860.0 | 0.0 | -860.0 | 11.47 | 0.00 | 3.326 | 302.217935 |
| Wayphale 220kV | 10/01/2020 18:30:00 | 75 | 7500.0 | 852.5 | 0.0 | -852.5 | 11.37 | 0.00 | -2.658 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wayphale 220kV | 10/01/2020 18:45:00 | 76 | 7500.0 | 830.0 | 0.0 | -830.0 | 11.07 | 0.00 | 3.994 | 138.547239 |
| Wayphale 220kV | 10/01/2020 19:00:00 | 77 | 7500.0 | 877.5 | 0.0 | -877.5 | 11.7 | 0.00 | -2.127 | 0.000000 |
| Wayphale 220kV | 10/01/2020 19:15:00 | 78 | 7500.0 | 942.5 | 0.0 | -942.5 | 12.57 | 0.00 | -2.658 | 0.000000 |
| Wayphale 220kV | 10/01/2020 19:30:00 | 79 | 7500.0 | 935.0 | 0.0 | -935.0 | 12.47 | 0.00 | -3.660 | 0.000000 |
| Wayphale 220kV | 10/01/2020 19:45:00 | 80 | 7500.0 | 927.5 | 0.0 | -927.5 | 12.37 | 0.00 | -3.326 | 0.000000 |
| Wayphale 220kV | 10/01/2020 20:00:00 | 81 | 7500.0 | 897.5 | 0.0 | -897.5 | 11.97 | 0.00 | 3.660 | 218.782541 |
| Wayphale 220kV | 10/01/2020 20:15:00 | 82 | 7500.0 | 890.0 | 0.0 | -890.0 | 11.87 | 0.00 | 3.660 | 931.697800 |
| Wayphale 220kV | 10/01/2020 20:30:00 | 83 | 7500.0 | 950.0 | 0.0 | -950.0 | 12.67 | 0.00 | 4.995 | 1411.852946 |
| Wayphale 220kV | 10/01/2020 20:45:00 | 84 | 7500.0 | 952.5 | 0.0 | -952.5 | 12.7 | 0.00 | 2.992 | 1001.010359 |
| Wayphale 220kV | 10/01/2020 21:00:00 | 85 | 7500.0 | 892.5 | 0.0 | -892.5 | 11.9 | 0.00 | -3.660 | 0.000000 |
| Wayphale 220kV | 10/01/2020 21:15:00 | 86 | 7500.0 | 852.5 | 0.0 | -852.5 | 11.37 | 0.00 | -1.595 | 0.000000 |
| Wayphale 220kV | 10/01/2020 21:30:00 | 87 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | -1.063 | 0.000000 |
| Wayphale 220kV | 10/01/2020 21:45:00 | 88 | 7500.0 | 920.0 | 0.0 | -920.0 | 12.27 | 0.00 | -0.532 | 0.000000 |
| Wayphale 220kV | 10/01/2020 22:00:00 | 89 | 7500.0 | 907.5 | 0.0 | -907.5 | 12.1 | 0.00 | -1.595 | 0.000000 |
| Wayphale 220kV | 10/01/2020 22:15:00 | 90 | 7500.0 | 915.0 | 0.0 | -915.0 | 12.2 | 0.00 | -2.127 | 0.000000 |
| Wayphale 220kV | 10/01/2020 22:30:00 | 91 | 7500.0 | 887.5 | 0.0 | -887.5 | 11.83 | 0.00 | 1.063 | 0.000000 |
| Wayphale 220kV | 10/01/2020 22:45:00 | 92 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | -2.658 | 0.000000 |
| Wayphale 220kV | 10/01/2020 23:00:00 | 93 | 7500.0 | 947.5 | 0.0 | -947.5 | 12.63 | 0.00 | -2.658 | 0.000000 |
| Wayphale 220kV | 10/01/2020 23:15:00 | 94 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | 0.000 | 0.000000 |
| Wayphale 220kV | 10/01/2020 23:30:00 | 95 | 7500.0 | 927.5 | 0.0 | -927.5 | 12.37 | 0.00 | 0.000 | 0.000000 |
| Wayphale 220kV | 10/01/2020 23:45:00 | 96 | 7500.0 | 865.0 | 0.0 | -865.0 | 11.53 | 0.00 | 0.000 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wayphale 220kV | 11/01/2020 00:00:00 | 1 | 7500.0 | 907.5 | 0.0 | -907.5 | 12.1 | 0.00 | 0.000 | 0.000000 |
| Wayphale 220kV | 11/01/2020 00:15:00 | 2 | 7500.0 | 915.0 | 0.0 | -915.0 | 12.2 | 0.00 | -2.629 | 0.000000 |
| Wayphale 220kV | 11/01/2020 00:30:00 | 3 | 7500.0 | 887.5 | 0.0 | -887.5 | 11.83 | 0.00 | -1.577 | 0.000000 |
| Wayphale 220kV | 11/01/2020 00:45:00 | 4 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | 2.103 | 0.000000 |
| Wayphale 220kV | 11/01/2020 01:00:00 | 5 | 7500.0 | 947.5 | 0.0 | -947.5 | 12.63 | 0.00 | 2.964 | 445.147916 |
| Wayphale 220kV | 11/01/2020 01:15:00 | 6 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | 1.052 | 60.510793 |
| Wayphale 220kV | 11/01/2020 01:30:00 | 7 | 7500.0 | 927.5 | 0.0 | -927.5 | 12.37 | 0.00 | 1.577 | 108.906856 |
| Wayphale 220kV | 11/01/2020 01:45:00 | 8 | 7500.0 | 865.0 | 0.0 | -865.0 | 11.53 | 0.00 | -0.526 | 0.000000 |
| Wayphale 220kV | 11/01/2020 02:00:00 | 9 | 7500.0 | 927.5 | 0.0 | -927.5 | 12.37 | 0.00 | -0.403 | 0.000000 |
| Wayphale 220kV | 11/01/2020 02:15:00 | 10 | 7500.0 | 897.5 | 0.0 | -897.5 | 11.97 | 0.00 | -0.630 | 0.000000 |
| Wayphale 220kV | 11/01/2020 02:30:00 | 11 | 7500.0 | 890.0 | 0.0 | -890.0 | 11.87 | 0.00 | -0.526 | 0.000000 |
| Wayphale 220kV | 11/01/2020 02:45:00 | 12 | 7500.0 | 950.0 | 0.0 | -950.0 | 12.67 | 0.00 | -0.526 | 0.000000 |
| Wayphale 220kV | 11/01/2020 03:00:00 | 13 | 7500.0 | 952.5 | 0.0 | -952.5 | 12.7 | 0.00 | -1.051 | 0.000000 |
| Wayphale 220kV | 11/01/2020 03:15:00 | 14 | 7500.0 | 892.5 | 0.0 | -892.5 | 11.9 | 0.00 | 0.000 | 0.000000 |
| Wayphale 220kV | 11/01/2020 03:30:00 | 15 | 7500.0 | 852.5 | 0.0 | -852.5 | 11.37 | 0.00 | 0.000 | 0.000000 |
| Wayphale 220kV | 11/01/2020 03:45:00 | 16 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | 0.000 | 0.000000 |
| Wayphale 220kV | 11/01/2020 04:00:00 | 17 | 7500.0 | 920.0 | 0.0 | -920.0 | 12.27 | 0.00 | 0.000 | 0.000000 |
| Wayphale 220kV | 11/01/2020 04:15:00 | 18 | 7500.0 | 907.5 | 0.0 | -907.5 | 12.1 | 0.00 | -1.051 | 0.000000 |
| Wayphale 220kV | 11/01/2020 04:30:00 | 19 | 7500.0 | 915.0 | 0.0 | -915.0 | 12.2 | 0.00 | -2.964 | 0.000000 |
| Wayphale 220kV | 11/01/2020 04:45:00 | 20 | 7500.0 | 887.5 | 0.0 | -887.5 | 11.83 | 0.00 | -3.300 | 0.000000 |
| Wayphale 220kV | 11/01/2020 05:00:00 | 21 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | 4.307 | 0.000000 |

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| Wayphale 220kV | 11/01/2020 05:15:00 | 22 | 7500.0 | 927.5 | 0.0 | -927.5 | 12.37 | 0.00 | 5.314 | 1162.152140 |
| Wayphale 220kV | 11/01/2020 05:30:00 | 23 | 7500.0 | 897.5 | 0.0 | -897.5 | 11.97 | 0.00 | 2.964 | 543.392535 |
| Wayphale 220kV | 11/01/2020 05:45:00 | 24 | 7500.0 | 890.0 | 0.0 | -890.0 | 11.87 | 0.00 | 2.103 | 0.000000 |
| Wayphale 220kV | 11/01/2020 06:00:00 | 25 | 7500.0 | 950.0 | 0.0 | -950.0 | 12.67 | 0.00 | 3.636 | 0.000000 |
| Wayphale 220kV | 11/01/2020 06:15:00 | 26 | 7500.0 | 952.5 | 0.0 | -952.5 | 12.7 | 0.00 | 2.964 | 0.000000 |
| Wayphale 220kV | 11/01/2020 06:30:00 | 27 | 7500.0 | 892.5 | 0.0 | -892.5 | 11.9 | 0.00 | 4.105 | 655.657677 |
| Wayphale 220kV | 11/01/2020 06:45:00 | 28 | 7500.0 | 852.5 | 0.0 | -852.5 | 11.37 | 0.00 | 5.650 | 131.841086 |
| Wayphale 220kV | 11/01/2020 07:00:00 | 29 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | 3.300 | 0.000000 |
| Wayphale 220kV | 11/01/2020 07:15:00 | 30 | 7500.0 | 920.0 | 0.0 | -920.0 | 12.27 | 0.00 | 5.314 | 0.000000 |
| Wayphale 220kV | 11/01/2020 07:30:00 | 31 | 7500.0 | 907.5 | 0.0 | -907.5 | 12.1 | 0.00 | 2.964 | 0.000000 |
| Wayphale 220kV | 11/01/2020 07:45:00 | 32 | 7500.0 | 915.0 | 0.0 | -915.0 | 12.2 | 0.00 | 2.103 | 0.000000 |
| Wayphale 220kV | 11/01/2020 08:00:00 | 33 | 7500.0 | 887.5 | 0.0 | -887.5 | 11.83 | 0.00 | -1.577 | 0.000000 |
| Wayphale 220kV | 11/01/2020 08:15:00 | 34 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | 3.300 | 0.000000 |
| Wayphale 220kV | 11/01/2020 08:30:00 | 35 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | 2.116 | 0.000000 |
| Wayphale 220kV | 11/01/2020 08:45:00 | 36 | 7500.0 | 920.0 | 0.0 | -920.0 | 12.27 | 0.00 | 2.964 | 0.000000 |
| Wayphale 220kV | 11/01/2020 09:00:00 | 37 | 7500.0 | 907.5 | 0.0 | -907.5 | 12.1 | 0.00 | 6.681 | 0.000000 |
| Wayphale 220kV | 11/01/2020 09:15:00 | 38 | 7500.0 | 915.0 | 0.0 | -915.0 | 12.2 | 0.00 | 6.657 | 0.000000 |
| Wayphale 220kV | 11/01/2020 09:30:00 | 39 | 7500.0 | 887.5 | 0.0 | -887.5 | 11.83 | 0.00 | -6.322 | 0.000000 |
| Wayphale 220kV | 11/01/2020 09:45:00 | 40 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | -2.103 | 0.000000 |
| Wayphale 220kV | 11/01/2020 10:00:00 | 41 | 7500.0 | 947.5 | 0.0 | -947.5 | 12.63 | 0.00 | 0.526 | 0.000000 |
| Wayphale 220kV | 11/01/2020 10:15:00 | 42 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | 0.526 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wayphale 220kV | 11/01/2020 10:30:00 | 43 | 7500.0 | 927.5 | 0.0 | -927.5 | 12.37 | 0.00 | 0.000 | 0.000000 |
| Wayphale 220kV | 11/01/2020 10:45:00 | 44 | 7500.0 | 865.0 | 0.0 | -865.0 | 11.53 | 0.00 | 0.000 | 0.000000 |
| Wayphale 220kV | 11/01/2020 11:00:00 | 45 | 7500.0 | 930.0 | 0.0 | -930.0 | 12.4 | 0.00 | 0.000 | 0.000000 |
| Wayphale 220kV | 11/01/2020 11:15:00 | 46 | 7500.0 | 922.5 | 0.0 | -922.5 | 12.3 | 0.00 | -2.964 | 0.000000 |
| Wayphale 220kV | 11/01/2020 11:30:00 | 47 | 7500.0 | 867.5 | 0.0 | -867.5 | 11.57 | 0.00 | -4.307 | 0.000000 |
| Wayphale 220kV | 11/01/2020 11:45:00 | 48 | 7500.0 | 860.0 | 0.0 | -860.0 | 11.47 | 0.00 | -3.300 | 0.000000 |
| Wayphale 220kV | 11/01/2020 12:00:00 | 49 | 7500.0 | 852.5 | 0.0 | -852.5 | 11.37 | 0.00 | -0.526 | 0.000000 |
| Wayphale 220kV | 11/01/2020 12:15:00 | 50 | 7500.0 | 830.0 | 0.0 | -830.0 | 11.07 | 0.00 | -2.103 | 0.000000 |
| Wayphale 220kV | 11/01/2020 12:30:00 | 51 | 7500.0 | 877.5 | 0.0 | -877.5 | 11.7 | 0.00 | -2.629 | 0.000000 |
| Wayphale 220kV | 11/01/2020 12:45:00 | 52 | 7500.0 | 942.5 | 0.0 | -942.5 | 12.57 | 0.00 | -2.629 | 0.000000 |
| Wayphale 220kV | 11/01/2020 13:00:00 | 53 | 7500.0 | 935.0 | 0.0 | -935.0 | 12.47 | 0.00 | 0.000 | 0.000000 |
| Wayphale 220kV | 11/01/2020 13:15:00 | 54 | 7500.0 | 927.5 | 0.0 | -927.5 | 12.37 | 0.00 | -2.103 | 0.000000 |
| Wayphale 220kV | 11/01/2020 13:30:00 | 55 | 7500.0 | 897.5 | 0.0 | -897.5 | 11.97 | 0.00 | 2.629 | 0.000000 |
| Wayphale 220kV | 11/01/2020 13:45:00 | 56 | 7500.0 | 890.0 | 0.0 | -890.0 | 11.87 | 0.00 | 2.103 | 0.000000 |
| Wayphale 220kV | 11/01/2020 14:00:00 | 57 | 7500.0 | 950.0 | 0.0 | -950.0 | 12.67 | 0.00 | 1.051 | 0.000000 |
| Wayphale 220kV | 11/01/2020 14:15:00 | 58 | 7500.0 | 952.5 | 0.0 | -952.5 | 12.7 | 0.00 | 3.300 | 0.000000 |
| Wayphale 220kV | 11/01/2020 14:30:00 | 59 | 7500.0 | 892.5 | 0.0 | -892.5 | 11.9 | 0.00 | -3.636 | 0.000000 |
| Wayphale 220kV | 11/01/2020 14:45:00 | 60 | 7500.0 | 852.5 | 0.0 | -852.5 | 11.37 | 0.00 | 4.979 | 0.000000 |
| Wayphale 220kV | 11/01/2020 15:00:00 | 61 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | -2.964 | 0.000000 |
| Wayphale 220kV | 11/01/2020 15:15:00 | 62 | 7500.0 | 920.0 | 0.0 | -920.0 | 12.27 | 0.00 | -5.314 | 0.000000 |
| Wayphale 220kV | 11/01/2020 15:30:00 | 63 | 7500.0 | 907.5 | 0.0 | -907.5 | 12.1 | 0.00 | 2.964 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wayphale 220kV | 11/01/2020 15:45:00 | 64 | 7500.0 | 915.0 | 0.0 | -915.0 | 12.2 | 0.00 | 4.643 | 0.000000 |
| Wayphale 220kV | 11/01/2020 16:00:00 | 65 | 7500.0 | 887.5 | 0.0 | -887.5 | 11.83 | 0.00 | 2.103 | 0.000000 |
| Wayphale 220kV | 11/01/2020 16:15:00 | 66 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | -2.964 | 0.000000 |
| Wayphale 220kV | 11/01/2020 16:30:00 | 67 | 7500.0 | 947.5 | 0.0 | -947.5 | 12.63 | 0.00 | -2.103 | 0.000000 |
| Wayphale 220kV | 11/01/2020 16:45:00 | 68 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | 3.972 | 0.000000 |
| Wayphale 220kV | 11/01/2020 17:00:00 | 69 | 7500.0 | 927.5 | 0.0 | -927.5 | 12.37 | 0.00 | -1.577 | 0.000000 |
| Wayphale 220kV | 11/01/2020 17:15:00 | 70 | 7500.0 | 865.0 | 0.0 | -865.0 | 11.53 | 0.00 | -1.577 | 0.000000 |
| Wayphale 220kV | 11/01/2020 17:30:00 | 71 | 7500.0 | 930.0 | 0.0 | -930.0 | 12.4 | 0.00 | 1.051 | 11.866191 |
| Wayphale 220kV | 11/01/2020 17:45:00 | 72 | 7500.0 | 922.5 | 0.0 | -922.5 | 12.3 | 0.00 | -2.103 | 0.000000 |
| Wayphale 220kV | 11/01/2020 18:00:00 | 73 | 7500.0 | 867.5 | 0.0 | -867.5 | 11.57 | 0.00 | -2.964 | 0.000000 |
| Wayphale 220kV | 11/01/2020 18:15:00 | 74 | 7500.0 | 860.0 | 0.0 | -860.0 | 11.47 | 0.00 | -2.629 | 0.000000 |
| Wayphale 220kV | 11/01/2020 18:30:00 | 75 | 7500.0 | 852.5 | 0.0 | -852.5 | 11.37 | 0.00 | 2.103 | 29.967500 |
| Wayphale 220kV | 11/01/2020 18:45:00 | 76 | 7500.0 | 830.0 | 0.0 | -830.0 | 11.07 | 0.00 | 0.526 | 85.429265 |
| Wayphale 220kV | 11/01/2020 19:00:00 | 77 | 7500.0 | 877.5 | 0.0 | -877.5 | 11.7 | 0.00 | 2.103 | 358.718976 |
| Wayphale 220kV | 11/01/2020 19:15:00 | 78 | 7500.0 | 942.5 | 0.0 | -942.5 | 12.57 | 0.00 | -1.052 | 0.000000 |
| Wayphale 220kV | 11/01/2020 19:30:00 | 79 | 7500.0 | 935.0 | 0.0 | -935.0 | 12.47 | 0.00 | 2.964 | 0.000000 |
| Wayphale 220kV | 11/01/2020 19:45:00 | 80 | 7500.0 | 927.5 | 0.0 | -927.5 | 12.37 | 0.00 | 2.629 | 689.908734 |
| Wayphale 220kV | 11/01/2020 20:00:00 | 81 | 7500.0 | 897.5 | 0.0 | -897.5 | 11.97 | 0.00 | 2.629 | 145.961069 |
| Wayphale 220kV | 11/01/2020 20:15:00 | 82 | 7500.0 | 890.0 | 0.0 | -890.0 | 11.87 | 0.00 | 4.307 | 477.285063 |
| Wayphale 220kV | 11/01/2020 20:30:00 | 83 | 7500.0 | 950.0 | 0.0 | -950.0 | 12.67 | 0.00 | 2.964 | 1306.260528 |
| Wayphale 220kV | 11/01/2020 20:45:00 | 84 | 7500.0 | 952.5 | 0.0 | -952.5 | 12.7 | 0.00 | 2.629 | 1124.238432 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wayphale 220kV | 11/01/2020 21:00:00 | 85 | 7500.0 | 892.5 | 0.0 | -892.5 | 11.9 | 0.00 | 3.636 | 191.323467 |
| Wayphale 220kV | 11/01/2020 21:15:00 | 86 | 7500.0 | 852.5 | 0.0 | -852.5 | 11.37 | 0.00 | -1.577 | 0.000000 |
| Wayphale 220kV | 11/01/2020 21:30:00 | 87 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | -1.577 | 0.000000 |
| Wayphale 220kV | 11/01/2020 21:45:00 | 88 | 7500.0 | 920.0 | 0.0 | -920.0 | 12.27 | 0.00 | -1.052 | 0.000000 |
| Wayphale 220kV | 11/01/2020 22:00:00 | 89 | 7500.0 | 907.5 | 0.0 | -907.5 | 12.1 | 0.00 | -5.650 | 0.000000 |
| Wayphale 220kV | 11/01/2020 22:15:00 | 90 | 7500.0 | 915.0 | 0.0 | -915.0 | 12.2 | 0.00 | -5.650 | 0.000000 |
| Wayphale 220kV | 11/01/2020 22:30:00 | 91 | 7500.0 | 887.5 | 0.0 | -887.5 | 11.83 | 0.00 | 4.979 | 427.913985 |
| Wayphale 220kV | 11/01/2020 22:45:00 | 92 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | 2.964 | 576.174246 |
| Wayphale 220kV | 11/01/2020 23:00:00 | 93 | 7500.0 | 947.5 | 0.0 | -947.5 | 12.63 | 0.00 | 1.577 | 148.158444 |
| Wayphale 220kV | 11/01/2020 23:15:00 | 94 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | 1.074 | 117.347979 |
| Wayphale 220kV | 11/01/2020 23:30:00 | 95 | 7500.0 | 927.5 | 0.0 | -927.5 | 12.37 | 0.00 | 2.113 | 534.693021 |
| Wayphale 220kV | 11/01/2020 23:45:00 | 96 | 7500.0 | 865.0 | 0.0 | -865.0 | 11.53 | 0.00 | 2.162 | 642.871789 |
| Wayphale 220kV | 12/01/2020 00:00:00 | 1 | 7500.0 | 907.5 | 0.0 | -907.5 | 12.1 | 0.00 | 3.022 | 558.174083 |
| Wayphale 220kV | 12/01/2020 00:15:00 | 2 | 7500.0 | 915.0 | 0.0 | -915.0 | 12.2 | 0.00 | -2.152 | 0.000000 |
| Wayphale 220kV | 12/01/2020 00:30:00 | 3 | 7500.0 | 887.5 | 0.0 | -887.5 | 11.83 | 0.00 | -2.152 | 0.000000 |
| Wayphale 220kV | 12/01/2020 00:45:00 | 4 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | -3.022 | 0.000000 |
| Wayphale 220kV | 12/01/2020 01:00:00 | 5 | 7500.0 | 947.5 | 0.0 | -947.5 | 12.63 | 0.00 | -0.629 | 0.000000 |
| Wayphale 220kV | 12/01/2020 01:15:00 | 6 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | -3.317 | 0.000000 |
| Wayphale 220kV | 12/01/2020 01:30:00 | 7 | 7500.0 | 927.5 | 0.0 | -927.5 | 12.37 | 0.00 | -3.354 | 0.000000 |
| Wayphale 220kV | 12/01/2020 01:45:00 | 8 | 7500.0 | 865.0 | 0.0 | -865.0 | 11.53 | 0.00 | -3.022 | 0.000000 |
| Wayphale 220kV | 12/01/2020 02:00:00 | 9 | 7500.0 | 927.5 | 0.0 | -927.5 | 12.37 | 0.00 | -2.690 | 0.000000 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wayphale 220kV | 12/01/2020 02:15:00 | 10 | 7500.0 | 897.5 | 0.0 | -897.5 | 11.97 | 0.00 | -3.022 | 0.000000 |
| Wayphale 220kV | 12/01/2020 02:30:00 | 11 | 7500.0 | 890.0 | 0.0 | -890.0 | 11.87 | 0.00 | -2.690 | 0.000000 |
| Wayphale 220kV | 12/01/2020 02:45:00 | 12 | 7500.0 | 950.0 | 0.0 | -950.0 | 12.67 | 0.00 | -3.022 | 0.000000 |
| Wayphale 220kV | 12/01/2020 03:00:00 | 13 | 7500.0 | 952.5 | 0.0 | -952.5 | 12.7 | 0.00 | 3.354 | 450.996424 |
| Wayphale 220kV | 12/01/2020 03:15:00 | 14 | 7500.0 | 892.5 | 0.0 | -892.5 | 11.9 | 0.00 | 3.022 | 518.243487 |
| Wayphale 220kV | 12/01/2020 03:30:00 | 15 | 7500.0 | 852.5 | 0.0 | -852.5 | 11.37 | 0.00 | 3.354 | 183.602597 |
| Wayphale 220kV | 12/01/2020 03:45:00 | 16 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | 2.152 | 0.000000 |
| Wayphale 220kV | 12/01/2020 04:00:00 | 17 | 7500.0 | 920.0 | 0.0 | -920.0 | 12.27 | 0.00 | -2.152 | 0.000000 |
| Wayphale 220kV | 12/01/2020 04:15:00 | 18 | 7500.0 | 907.5 | 0.0 | -907.5 | 12.1 | 0.00 | -3.022 | 0.000000 |
| Wayphale 220kV | 12/01/2020 04:30:00 | 19 | 7500.0 | 915.0 | 0.0 | -915.0 | 12.2 | 0.00 | 1.076 | 0.000000 |
| Wayphale 220kV | 12/01/2020 04:45:00 | 20 | 7500.0 | 887.5 | 0.0 | -887.5 | 11.83 | 0.00 | -3.022 | 0.000000 |
| Wayphale 220kV | 12/01/2020 05:00:00 | 21 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | 3.686 | 0.000000 |
| Wayphale 220kV | 12/01/2020 05:15:00 | 22 | 7500.0 | 927.5 | 0.0 | -927.5 | 12.37 | 0.00 | 3.686 | 1023.283477 |
| Wayphale 220kV | 12/01/2020 05:30:00 | 23 | 7500.0 | 897.5 | 0.0 | -897.5 | 11.97 | 0.00 | -1.614 | 0.000000 |
| Wayphale 220kV | 12/01/2020 05:45:00 | 24 | 7500.0 | 890.0 | 0.0 | -890.0 | 11.87 | 0.00 | -0.496 | 0.000000 |
| Wayphale 220kV | 12/01/2020 06:00:00 | 25 | 7500.0 | 950.0 | 0.0 | -950.0 | 12.67 | 0.00 | 0.000 | 0.000000 |
| Wayphale 220kV | 12/01/2020 06:15:00 | 26 | 7500.0 | 952.5 | 0.0 | -952.5 | 12.7 | 0.00 | -0.430 | 0.000000 |
| Wayphale 220kV | 12/01/2020 06:30:00 | 27 | 7500.0 | 892.5 | 0.0 | -892.5 | 11.9 | 0.00 | -2.152 | 0.000000 |
| Wayphale 220kV | 12/01/2020 06:45:00 | 28 | 7500.0 | 852.5 | 0.0 | -852.5 | 11.37 | 0.00 | 4.681 | 0.000000 |
| Wayphale 220kV | 12/01/2020 07:00:00 | 29 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | 1.614 | 0.000000 |
| Wayphale 220kV | 12/01/2020 07:15:00 | 30 | 7500.0 | 920.0 | 0.0 | -920.0 | 12.27 | 0.00 | 3.838 | 761.443963 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Wayphale 220kV | 12/01/2020 07:30:00 | 31 | 7500.0 | 907.5 | 0.0 | -907.5 | 12.1 | 0.00 | 3.022 | 0.000000 |
| Wayphale 220kV | 12/01/2020 07:45:00 | 32 | 7500.0 | 915.0 | 0.0 | -915.0 | 12.2 | 0.00 | 2.690 | 0.000000 |
| Wayphale 220kV | 12/01/2020 08:00:00 | 33 | 7500.0 | 887.5 | 0.0 | -887.5 | 11.83 | 0.00 | -2.690 | 0.000000 |
| Wayphale 220kV | 12/01/2020 08:15:00 | 34 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | -4.018 | 0.000000 |
| Wayphale 220kV | 12/01/2020 08:30:00 | 35 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | -2.690 | 0.000000 |
| Wayphale 220kV | 12/01/2020 08:45:00 | 36 | 7500.0 | 920.0 | 0.0 | -920.0 | 12.27 | 0.00 | 3.022 | 0.000000 |
| Wayphale 220kV | 12/01/2020 09:00:00 | 37 | 7500.0 | 907.5 | 0.0 | -907.5 | 12.1 | 0.00 | -3.354 | 0.000000 |
| Wayphale 220kV | 12/01/2020 09:15:00 | 38 | 7500.0 | 915.0 | 0.0 | -915.0 | 12.2 | 0.00 | -4.350 | 0.000000 |
| Wayphale 220kV | 12/01/2020 09:30:00 | 39 | 7500.0 | 887.5 | 0.0 | -887.5 | 11.83 | 0.00 | 2.152 | 0.000000 |
| Wayphale 220kV | 12/01/2020 09:45:00 | 40 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | -2.690 | 0.000000 |
| Wayphale 220kV | 12/01/2020 10:00:00 | 41 | 7500.0 | 947.5 | 0.0 | -947.5 | 12.63 | 0.00 | -3.354 | 0.000000 |
| Wayphale 220kV | 12/01/2020 10:15:00 | 42 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | -3.686 | 0.000000 |
| Wayphale 220kV | 12/01/2020 10:30:00 | 43 | 7500.0 | 927.5 | 0.0 | -927.5 | 12.37 | 0.00 | -1.614 | 0.000000 |
| Wayphale 220kV | 12/01/2020 10:45:00 | 44 | 7500.0 | 865.0 | 0.0 | -865.0 | 11.53 | 0.00 | 3.686 | 0.000000 |
| Wayphale 220kV | 12/01/2020 11:00:00 | 45 | 7500.0 | 930.0 | 0.0 | -930.0 | 12.4 | 0.00 | -3.354 | 0.000000 |
| Wayphale 220kV | 12/01/2020 11:15:00 | 46 | 7500.0 | 922.5 | 0.0 | -922.5 | 12.3 | 0.00 | -5.450 | 0.000000 |
| Wayphale 220kV | 12/01/2020 11:30:00 | 47 | 7500.0 | 867.5 | 0.0 | -867.5 | 11.57 | 0.00 | -6.009 | 0.000000 |
| Wayphale 220kV | 12/01/2020 11:45:00 | 48 | 7500.0 | 860.0 | 0.0 | -860.0 | 11.47 | 0.00 | 2.690 | 0.000000 |
| Wayphale 220kV | 12/01/2020 12:00:00 | 49 | 7500.0 | 852.5 | 0.0 | -852.5 | 11.37 | 0.00 | 3.686 | 0.000000 |
| Wayphale 220kV | 12/01/2020 12:15:00 | 50 | 7500.0 | 830.0 | 0.0 | -830.0 | 11.07 | 0.00 | -5.345 | 0.000000 |
| Wayphale 220kV | 12/01/2020 12:30:00 | 51 | 7500.0 | 877.5 | 0.0 | -877.5 | 11.7 | 0.00 | -3.022 | 0.000000 |

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| Wayphale 220kV | 12/01/2020 12:45:00 | 52 | 7500.0 | 942.5 | 0.0 | -942.5 | 12.57 | 0.00 | -5.345 | 0.000000 |
| Wayphale 220kV | 12/01/2020 13:00:00 | 53 | 7500.0 | 935.0 | 0.0 | -935.0 | 12.47 | 0.00 | -3.999 | 0.000000 |
| Wayphale 220kV | 12/01/2020 13:15:00 | 54 | 7500.0 | 927.5 | 0.0 | -927.5 | 12.37 | 0.00 | -4.350 | 0.000000 |
| Wayphale 220kV | 12/01/2020 13:30:00 | 55 | 7500.0 | 897.5 | 0.0 | -897.5 | 11.97 | 0.00 | -1.076 | 0.000000 |
| Wayphale 220kV | 12/01/2020 13:45:00 | 56 | 7500.0 | 890.0 | 0.0 | -890.0 | 11.87 | 0.00 | -2.690 | 0.000000 |
| Wayphale 220kV | 12/01/2020 14:00:00 | 57 | 7500.0 | 950.0 | 0.0 | -950.0 | 12.67 | 0.00 | -0.538 | 0.000000 |
| Wayphale 220kV | 12/01/2020 14:15:00 | 58 | 7500.0 | 952.5 | 0.0 | -952.5 | 12.7 | 0.00 | -2.152 | 0.000000 |
| Wayphale 220kV | 12/01/2020 14:30:00 | 59 | 7500.0 | 892.5 | 0.0 | -892.5 | 11.9 | 0.00 | -2.690 | 0.000000 |
| Wayphale 220kV | 12/01/2020 14:45:00 | 60 | 7500.0 | 852.5 | 0.0 | -852.5 | 11.37 | 0.00 | -1.076 | 0.000000 |
| Wayphale 220kV | 12/01/2020 15:00:00 | 61 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | 0.000 | 0.000000 |
| Wayphale 220kV | 12/01/2020 15:15:00 | 62 | 7500.0 | 920.0 | 0.0 | -920.0 | 12.27 | 0.00 | -2.690 | 0.000000 |
| Wayphale 220kV | 12/01/2020 15:30:00 | 63 | 7500.0 | 907.5 | 0.0 | -907.5 | 12.1 | 0.00 | -3.022 | 0.000000 |
| Wayphale 220kV | 12/01/2020 15:45:00 | 64 | 7500.0 | 915.0 | 0.0 | -915.0 | 12.2 | 0.00 | -3.686 | 0.000000 |
| Wayphale 220kV | 12/01/2020 16:00:00 | 65 | 7500.0 | 887.5 | 0.0 | -887.5 | 11.83 | 0.00 | -3.737 | 0.000000 |
| Wayphale 220kV | 12/01/2020 16:15:00 | 66 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | -5.786 | 0.000000 |
| Wayphale 220kV | 12/01/2020 16:30:00 | 67 | 7500.0 | 947.5 | 0.0 | -947.5 | 12.63 | 0.00 | -4.350 | 0.000000 |
| Wayphale 220kV | 12/01/2020 16:45:00 | 68 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | -1.614 | 0.000000 |
| Wayphale 220kV | 12/01/2020 17:00:00 | 69 | 7500.0 | 927.5 | 0.0 | -927.5 | 12.37 | 0.00 | 0.000 | 0.000000 |
| Wayphale 220kV | 12/01/2020 17:15:00 | 70 | 7500.0 | 865.0 | 0.0 | -865.0 | 11.53 | 0.00 | 2.690 | 224.254497 |
| Wayphale 220kV | 12/01/2020 17:30:00 | 71 | 7500.0 | 930.0 | 0.0 | -930.0 | 12.4 | 0.00 | -3.022 | 0.000000 |
| Wayphale 220kV | 12/01/2020 17:45:00 | 72 | 7500.0 | 922.5 | 0.0 | -922.5 | 12.3 | 0.00 | -2.152 | 0.000000 |

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| Wayphale 220kV | 12/01/2020 18:00:00 | 73 | 7500.0 | 867.5 | 0.0 | -867.5 | 11.57 | 0.00 | -0.538 | 0.000000 |
| Wayphale 220kV | 12/01/2020 18:15:00 | 74 | 7500.0 | 860.0 | 0.0 | -860.0 | 11.47 | 0.00 | -4.350 | 0.000000 |
| Wayphale 220kV | 12/01/2020 18:30:00 | 75 | 7500.0 | 852.5 | 0.0 | -852.5 | 11.37 | 0.00 | 2.690 | 146.600279 |
| Wayphale 220kV | 12/01/2020 18:45:00 | 76 | 7500.0 | 830.0 | 0.0 | -830.0 | 11.07 | 0.00 | 3.022 | 919.529043 |
| Wayphale 220kV | 12/01/2020 19:00:00 | 77 | 7500.0 | 877.5 | 0.0 | -877.5 | 11.7 | 0.00 | 3.686 | 312.264520 |
| Wayphale 220kV | 12/01/2020 19:15:00 | 78 | 7500.0 | 942.5 | 0.0 | -942.5 | 12.57 | 0.00 | 2.690 | 19.908479 |
| Wayphale 220kV | 12/01/2020 19:30:00 | 79 | 7500.0 | 935.0 | 0.0 | -935.0 | 12.47 | 0.00 | -3.022 | 0.000000 |
| Wayphale 220kV | 12/01/2020 19:45:00 | 80 | 7500.0 | 927.5 | 0.0 | -927.5 | 12.37 | 0.00 | -1.781 | 0.000000 |
| Wayphale 220kV | 12/01/2020 20:00:00 | 81 | 7500.0 | 897.5 | 0.0 | -897.5 | 11.97 | 0.00 | -3.021 | 0.000000 |
| Wayphale 220kV | 12/01/2020 20:15:00 | 82 | 7500.0 | 890.0 | 0.0 | -890.0 | 11.87 | 0.00 | -4.018 | 0.000000 |
| Wayphale 220kV | 12/01/2020 20:30:00 | 83 | 7500.0 | 950.0 | 0.0 | -950.0 | 12.67 | 0.00 | -3.354 | 0.000000 |
| Wayphale 220kV | 12/01/2020 20:45:00 | 84 | 7500.0 | 952.5 | 0.0 | -952.5 | 12.7 | 0.00 | -1.614 | 0.000000 |
| Wayphale 220kV | 12/01/2020 21:00:00 | 85 | 7500.0 | 892.5 | 0.0 | -892.5 | 11.9 | 0.00 | -4.350 | 0.000000 |
| Wayphale 220kV | 12/01/2020 21:15:00 | 86 | 7500.0 | 852.5 | 0.0 | -852.5 | 11.37 | 0.00 | -3.686 | 0.000000 |
| Wayphale 220kV | 12/01/2020 21:30:00 | 87 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | -1.614 | 0.000000 |
| Wayphale 220kV | 12/01/2020 21:45:00 | 88 | 7500.0 | 920.0 | 0.0 | -920.0 | 12.27 | 0.00 | 0.000 | 0.000000 |
| Wayphale 220kV | 12/01/2020 22:00:00 | 89 | 7500.0 | 907.5 | 0.0 | -907.5 | 12.1 | 0.00 | -3.354 | 0.000000 |
| Wayphale 220kV | 12/01/2020 22:15:00 | 90 | 7500.0 | 915.0 | 0.0 | -915.0 | 12.2 | 0.00 | 4.350 | 1117.169952 |
| Wayphale 220kV | 12/01/2020 22:30:00 | 91 | 7500.0 | 887.5 | 0.0 | -887.5 | 11.83 | 0.00 | 5.215 | 2043.589907 |
| Wayphale 220kV | 12/01/2020 22:45:00 | 92 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | 3.022 | 206.813391 |
| Wayphale 220kV | 12/01/2020 23:00:00 | 93 | 7500.0 | 947.5 | 0.0 | -947.5 | 12.63 | 0.00 | 3.022 | 467.802165 |

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| Wayphale 220kV | 12/01/2020 23:15:00 | 94 | 7500.0 | 917.5 | 0.0 | -917.5 | 12.23 | 0.00 | 2.152 | 451.050027 |
| Wayphale 220kV | 12/01/2020 23:30:00 | 95 | 7500.0 | 927.5 | 0.0 | -927.5 | 12.37 | 0.00 | 2.152 | 262.388883 |
| Wayphale 220kV | 12/01/2020 23:45:00 | 96 | 7500.0 | 865.0 | 0.0 | -865.0 | 11.53 | 0.00 | 2.152 | 281.167075 |