

### Outage Planning of Transmission elements during the Duration 01.05.2015 to 31.05.2015

| SN | KV    | Line                                                          | From      |      | To        |       | Basis | Reason                                                                                                            | System  | Agency      |
|----|-------|---------------------------------------------------------------|-----------|------|-----------|-------|-------|-------------------------------------------------------------------------------------------------------------------|---------|-------------|
|    |       |                                                               | Date      | Time | Date      | Time  |       |                                                                                                                   |         |             |
| 1  | 400kV | Babheleshwar-Padgha-I                                         | 2-May-15  | 8:00 | 3-May-15  | 18:00 | Daily | Replacement of faulty insulator strings                                                                           | MSETCL  | MSETCL      |
| 2  | 400kV | Deepnagar-Khadka Ckt - I                                      | 2-May-15  | 8:00 | 2-May-15  | 18:00 | Daily | Relay testing, CB Timing, CRM Measurement & routine bay Maintenance.                                              | MSETCL  | MSETCL      |
| 3  | 400kV | New Koyna -Stage IV ckt-II                                    | 4-May-15  | 8:00 | 4-May-15  | 18:00 | Daily | Bay Maint. Work & dignostic Testing of reactor, CB, CT & relay                                                    | MSETCL  | MSETCL      |
| 4  | 400kV | Akola-Bhusawal                                                | 4-May-15  | 8:00 | 9-May-15  | 18:00 | Daily | PID testing of insulator strings. A/R shall be kept In non auto mode                                              | MSETCL  | MSETCL      |
| 5  | 400   | Wardha-Warora-I                                               | 5-May-15  | 9:00 | 6-May-15  | 18:00 | cont  | for LILO with Koradi-Warda line                                                                                   | MSETCL  | IEPL+MSETCL |
| 6  | 400kV | Padgha-Nagothane-I                                            | 6-May-15  | 8:00 | 6-May-15  | 18:00 | Daily | Dignostic Testing of reactor, CB, CT & relay                                                                      | MSETCL  | MSETCL      |
| 7  | 400kV | Akola-Bhusawal                                                | 6-May-15  | 8:00 | 6-May-15  | 18:00 | Daily | Faulty disc replacement ,Fixing of spacers ,damper .and other line maintenance work                               | MSETCL  | MSETCL      |
| 8  | 400kV | Tie Bay of Akola - Yelwan – I ( Bay No. 415) at Akola         | 6-May-15  | 8:00 | 6-May-15  | 18:00 | Daily | Routine testing and maintenance work                                                                              | MSETCL  | MSETCL      |
| 9  | 400kV | Chakan-Talegaon PG                                            | 7-May-15  | 8:00 | 7-May-15  | 18:00 | Daily | Dignostic Testing of reactor, CB, CT & relay                                                                      | MSETCL  | MSETCL      |
| 10 | 400kV | Akola - Aurangabad-I Line ( Bay No. 404 & 403) at Akola       | 8-May-15  | 8:00 | 8-May-15  | 18:00 | Daily | Replacement of faulty insulator strings                                                                           | MSETCL  | MSETCL      |
| 11 | 400kV | Babheleshwar-Padgha-II                                        | 9-May-15  | 8:00 | 10-May-15 | 18:00 | Daily | Replacement of faulty insulator strings                                                                           | MSETCL  | MSETCL      |
| 12 | 400kV | Deepnagar-Khadka Ckt - II                                     | 9-May-15  | 8:00 | 9-May-15  | 18:00 | Daily | Relay testing, CB Timing, CRM Measurement & routine bay Maintenance.                                              | MSETCL  | MSETCL      |
| 13 | 400kV | Padgha-Kalwa-II                                               | 10-May-15 | 8:00 | 10-May-15 | 18:00 | Daily | Dignostic Testing of reactor, CB, CT & relay                                                                      | MSETCL  | MSETCL      |
| 14 | 400kV | Koradi -Bhusawal                                              | 11-May-15 | 8:00 | 20-May-15 | 18:00 | Daily | PID testing of insulator strings. A/R shall be kept In non auto mode                                              | MSETCL  | MSETCL      |
| 15 | 400kV | Main Bay of Akola -Wardha-II ( Bay No. 411) at Akola          | 12-May-15 | 8:00 | 12-May-15 | 18:00 | Daily | Routine testing and maintenance work                                                                              | MSETCL  | MSETCL      |
| 16 | 400kV | Chandrapur II-Chandrapur I Ckt-II                             | 13-May-15 | 8:00 | 13-May-15 | 18:00 | Daily | Bay Maint. Work & dignostic Testing of reactor, CB, CT & relay, Replacement of broken spacer cum vibration damper | MSETCL  | MSETCL      |
| 17 | 400kV | Parli-Lonikand II ckt II                                      | 14-May-15 | 8:00 | 14-May-15 | 18:00 | Daily | Bay Maint. Work & dignostic Testing of reactor, CB, CT & relay, Replacement of broken spacer cum vibration damper | MSETCL  | MSETCL      |
| 18 | 400kV | Lonikand-Lonikand II ckt II                                   | 14-May-15 | 8:00 | 14-May-15 | 18:00 | Daily | Bay Maint. Work & dignostic Testing of reactor, CB, CT & relay, Replacement of broken spacer cum vibration damper | MSETCL  | MSETCL      |
| 19 | 400kV | Parli- Chandrapur II Ckt-II                                   | 15-May-15 | 8:00 | 15-May-15 | 18:00 | Daily | Bay Maint. Work & dignostic Testing of reactor, CB, CT & relay, Replacement of broken spacer cum vibration damper | MSETCL  | MSETCL      |
| 20 | 400kV | Akola-Nandgaonpeth                                            | 15-May-15 | 8:00 | 15-May-15 | 18:00 | Daily | Faulty disc replacement ,Fixing of spacers ,damper .and other line maintenance work                               | MSETCL  | MSETCL      |
| 21 | 400kV | Waluj-Tapthitanda                                             | 15-May-15 | 8:00 | 15-May-15 | 18:00 | Daily | Dignostic Testing of reactor, CB, CT & relay                                                                      | MSETCL  | MSETCL      |
| 22 | 400kV | Babheleshwar-Padgha-I                                         | 16-May-15 | 8:00 | 17-May-15 | 18:00 | Daily | Replacement of faulty insulator strings                                                                           | MSETCL  | MSETCL      |
| 23 | 400kV | Akola - Aurangabad-II Line ( Bay No. 406 & 407 at Akola       | 18-May-15 | 8:00 | 18-May-15 | 18:00 | Daily | Replacement of faulty insulator strings                                                                           | MSETCL  | MSETCL      |
| 24 | 400kV | Dhule-Bableshwar-I                                            | 18-May-15 | 8:00 | 18-May-15 | 18:00 | Daily | Relay testing, CB Timing, CRM Measurement & routine bay Maintenance.                                              | MSETCL  | MSETCL      |
| 25 | 400kV | Warora-Chandrapur II Ckt-1                                    | 19-May-15 | 8:00 | 19-May-15 | 18:00 | Daily | Bay Maintenance work                                                                                              | MSETCL  | MSETCL      |
| 26 | 400kV | Padgha-Nagothane-II                                           | 20-May-15 | 8:00 | 20-May-15 | 18:00 | Daily | Dignostic Testing of reactor, CB, CT & relay                                                                      | MSETCL  | MSETCL      |
| 27 | 400kV | Padgha-Babheleshwar I & II(To shift on non Auto reclose mode) | 20-May-15 | 9:00 | 18-Aug-15 | 17:00 | Daily | <u>Work of on line earth wire replacement by OPGW at loc.no 235-435</u>                                           | MSETCL  | MSETCL      |
| 28 | 400kV | Padgha-Nagothane-II                                           | 20-May-15 | 9:00 | 20-May-15 | 17:00 | Daily | Dignostic Testing of reactor, CB, CT & relay                                                                      | MSETCL  | MSETCL      |
| 29 | 765kV | 765/400kV ICT-1 at Koradi SS                                  | 20-May-15 | 9:30 | 20-May-15 | 14:00 | Daily | 400kV Side bus bar protection testing & maintenance work                                                          | MEGPTCL | MEGPTCL     |
| 30 | 765kV | 765/400kV ICT-2 at Koradi SS                                  | 20-May-15 | 9:30 | 20-May-15 | 14:00 | Daily | 400kV Side bus bar protection testing & maintenance work                                                          | MEGPTCL | MEGPTCL     |
| 31 | 400kV | Padgha-Nagothane-II                                           | 20-May-15 | 9:00 | 20-May-15 | 17:00 | Daily | Dignostic Testing of reactor, CB, CT & relay                                                                      | MSETCL  | MSETCL      |

|    |        |                                                     |           |      |           |       |        |                                                                                                                                                                                             |         |         |
|----|--------|-----------------------------------------------------|-----------|------|-----------|-------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|
| 32 | 400kV  | Babhleshwar-Aurangabad                              | 20-May-15 | 9.00 | 20-Jun-15 | 17.00 | Daily  | Work of on line earth wire replacement by OPGW A/R shall be kept in non auto mode                                                                                                           | MSETCL  | MSETCL  |
| 33 | 400kV  | Padgha-Talegaon PG                                  | 20-May-15 | 9.00 | 20-Jun-15 | 17.00 | Daily  | Work of on line earth wire replacement by OPGW A/R shall be kept in non auto mode                                                                                                           | MSETCL  | MSETCL  |
| 34 | 400kV  | Babhleshwar -Dhule Ckt I & II                       | 20-May-15 | 9.00 | 20-Jun-15 | 17.00 | Daily  | Work of on line earth wire replacement by OPGW A/R shall be kept in non auto mode                                                                                                           | MSETCL  | MSETCL  |
| 35 | 400 KV | Padghe-talegaon PG                                  | 20-May-15 | 7:00 | 20-Jun-15 | 19:00 | Daily  | OPGW installation works AR will be kept in off mode                                                                                                                                         | MSETCL  | MSETCL  |
| 36 | 400 KV | BABLESHWAR- Dhule                                   | 20-May-15 | 7:00 | 20-Jun-15 | 19:00 | Daily  | OPGW installation works AR will be kept in off mode                                                                                                                                         | MSETCL  | MSETCL  |
| 37 | 400 KV | Kalwa-Talegaon PG                                   | 20-May-15 | 7:00 | 20-Jun-15 | 19:00 | Daily  | OPGW installation works AR will be kept in off mode                                                                                                                                         | MSETCL  | MSETCL  |
| 38 | 400 KV | BABLESHWAR- AURANGABAD (WALUJ)                      | 20-May-15 | 7:00 | 20-Jun-15 | 19:00 | Daily  | OPGW installation works AR will be kept in off mode                                                                                                                                         | MSETCL  | MSETCL  |
| 39 | 400kv  | KORADI II-NANDGAONPETH                              | 21-May-15 | 8.00 | 23-May-15 | 18.00 | Daily  | PID testing of insulator strings. A/R shall be kept in non auto mode                                                                                                                        | MSETCL  | MSETCL  |
| 40 | 400kV  | Padgha-Babheleshwar ckt-I                           | 21-May-15 | 9.00 | 22-May-15 | 17.00 | Daily  | faulty disc strings replacement, fixing of spacers, dampers, earthbond, carona rings, Arching horns, DTN/STN H/W maintenance ,Restraining of Earthwire, tightening of jumper nut bolts etc. | MSETCL  | MSETCL  |
| 41 | 400kV  | Main Bus-II at 400kV Akola (M)                      | 21-May-15 | 9.00 | 21-May-15 | 17.00 | Daily  | 1)Routine Maintenance work<br>2)Routine testing testing work<br>3)Dignostic testing                                                                                                         | MSETCL  | MSETCL  |
| 42 | 400kV  | Chandrapur II – Warora (Ckt-I) Line.                | 21-May-15 | 9.00 | 22-May-15 | 17.00 | Daily  | faulty disc strings replacement, fixing of spacers, dampers, earthbond, carona rings, Arching horns, DTN/STN H/W maintenance ,Restraining of Earthwire, tightening of jumper nut bolts etc. | MSETCL  | MSETCL  |
| 43 | 400    | SSP-DHULE Line-2                                    | 5/21/2015 | 8:00 | 5/23/2015 | 18:00 | Daily  | PMM work                                                                                                                                                                                    |         | GETCO   |
| 44 | 400kv  | KORADI II-NANDGAONPETH                              | 22-May-15 | 8.00 | 22-May-15 | 18.00 | Daily  | Faulty disc replacement ,Fixing of spacers ,damper .and other line maintenance work                                                                                                         | MSETCL  | MSETCL  |
| 45 | 400kV  | New Koyna-Stage IV-Koyna ckt-1                      | 22-May-15 | 8.00 | 25-May-15 | 18.00 | Daily  | Cold line insulator cleaning                                                                                                                                                                | MSETCL  | MSETCL  |
| 46 | 765KV  | Tiroda - Koradi Ckt-1                               | 22-May-15 | 9:30 | 22-May-15 | 14:00 | Daily  | Jumper tighening work                                                                                                                                                                       | MEGPTCL | MEGPTCL |
| 47 | 400kV  | Padgha-Babheleshwar ckt-II                          | 23-May-15 | 9.00 | 24-May-15 | 17.00 | Daily  | faulty disc strings replacement, fixing of spacers, dampers, earthbond, carona rings, Arching horns, DTN/STN H/W maintenance ,Restraining of Earthwire, tightening of jumper nut bolts etc. | MSETCL  | MSETCL  |
| 48 | 400kV  | Lonikand I-Talegaon PG                              | 23-May-15 | 9.00 | 23-May-15 | 17.00 | Daily  | Dignostic Testing of reactor, CB, CT & relay                                                                                                                                                | MSETCL  | MSETCL  |
| 49 | 400kV  | Deepnagar-Waluj                                     | 23-May-15 | 9.00 | 23-May-15 | 17.00 | Daily  | Dignostic Testing of reactor, CB, CT & relay                                                                                                                                                | MSETCL  | MSETCL  |
| 50 | 400    | MOUDA-IEPL-WARDHA-1                                 | 25-May-15 | 9:00 | 26-May-15 | 18:00 | Conti. | Delilo of IEPL plant with PLCC panel shfting and charging of line as Mouda-Wardha # 1                                                                                                       | WRTS-I  | IEPL    |
| 51 | 400    | Kolhapur-Solapur-1                                  | 25-May-15 | 9:00 | 25-May-15 | 18:00 | Daily  | Line terminal equipments AMP work at Kolhapur                                                                                                                                               | WRTMPL  | WRTS-I  |
| 52 | 220    | Jalna-Waluj D/C line                                | 25-May-15 | 6:00 | 25-May-15 | 19:00 | Daily  | For Crossing & construction of 765Kv Aurangabad-Solapur D/C line.                                                                                                                           | MSETCL  | WRTS-I  |
| 53 | 400kV  | Chandrapur II – Warora (Ckt-II) Line.               | 25-May-15 | 9.00 | 26-May-15 | 17.00 | Daily  | faulty disc strings replacement, fixing of spacers, dampers, earthbond, carona rings, Arching horns, DTN/STN H/W maintenance ,Restraining of Earthwire, tightening of jumper nut bolts etc. | MSETCL  | MSETCL  |
| 54 | 400kV  | Karad-Solapur PG                                    | 26-May-15 | 9.00 | 26-May-15 | 17.00 | Daily  | Bay Maintenance work                                                                                                                                                                        | MSETCL  | MSETCL  |
| 55 | 400kV  | Dabhol-Nagothane-II                                 | 26-May-15 | 9.00 | 26-May-15 | 17.00 | Daily  | Bay Maintenance work                                                                                                                                                                        | MSETCL  | MSETCL  |
| 56 | 400    | WARORA-WARDHA D/C LINE                              | 27-May-15 | 9:00 | 28-May-15 | 18:00 | Conti. | For connection to MSETCL network by IEPL                                                                                                                                                    | WRTS-I  | IEPL    |
| 57 | 400    | Kolhapur-Solapur-2                                  | 27-May-15 | 9:00 | 27-May-15 | 18:00 | Daily  | Line terminal equipments AMP work at Kolhapur                                                                                                                                               | WRTMPL  | WRTS-I  |
| 58 | 400kV  | Karad-Jaigad-I                                      | 27-May-15 | 9.00 | 27-May-15 | 17.00 | Daily  | Dignostic Testing of reactor, CB, CT & relay                                                                                                                                                | MSETCL  | MSETCL  |
| 59 | 400kV  | CHANDRAPUR-PARALI 3                                 | 27-May-15 | 9.00 | 29-May-15 | 17.00 | Daily  | faulty disc strings replacement, fixing of spacers, dampers, earthbond, carona rings, Arching horns, DTN/STN H/W maintenance ,Restraining of Earthwire, tightening of jumper nut bolts etc. | MSETCL  | MSETCL  |
| 60 | 400    | Parli-Lonkand D/C line                              | 28-May-15 | 6:00 | 28-May-15 | 19:00 | Daily  | For Crossing & construction of 765Kv Aurangabad-Solapur D/C line.                                                                                                                           | MSETCL  | WRTS-I  |
| 61 | 400kV  | Jejuri -Stage IV                                    | 28-May-15 | 9.00 | 28-May-15 | 17.00 | Daily  | Bay Maint. Work & dignostic Testing of reactor, CB, CT & relay                                                                                                                              | MSETCL  | MSETCL  |
| 62 | 400    | SSP-DHULE Line-1                                    | 5/28/2015 | 8:00 | 5/29/2015 | 18:00 | Daily  | PMM work                                                                                                                                                                                    |         | GETCO   |
| 63 | 400kV  | Dabhol-Nagothane-I                                  | 29-May-15 | 9.00 | 29-May-15 | 17.00 | Daily  | Bay Maintenance work                                                                                                                                                                        | MSETCL  | MSETCL  |
| 64 | 400kV  | KORADI-BHUSAWAL                                     | 29-May-15 | 9.00 | 29-May-15 | 17.00 | Daily  | Faulty disc replacement ,Fixing of spacers ,damper .and other line maintenance work                                                                                                         | MSETCL  | MSETCL  |
| 65 | 400kV  | 400 kV Akola - Yelwan – II Line (Bay No. 417 & 418) | 29-May-15 | 9.00 | 29-May-15 | 17.00 | Daily  | 1)Routine Maintenance work<br>2)Routine testing testing work<br>3)Dignostic testing                                                                                                         | MSETCL  | MSETCL  |
| 66 | 500    | HVDC Chadrapur-Padghe bipole line                   | 30-May-15 | 6:00 | 31-May-15 | 19:00 | Conti. | For Crossing & construction of 765Kv Aurangabad-Solapur D/C line.                                                                                                                           | MSETCL  | WRTS-I  |
| 67 | 400kV  | Padgha-Talegaon PG                                  | 30-May-15 | 9.00 | 30-May-15 | 17.00 | Daily  | Replacement of normal insulator string to antifrog insulator in D/C line                                                                                                                    | MSETCL  | MSETCL  |
| 68 | 220    | Osmanabad-Barshi 1& 2 D/C line                      | 31-May-15 | 6:00 | 31-May-15 | 18:00 | Daily  | For Crossing & construction of 765Kv Aurangabad-Solapur D/C line.                                                                                                                           | MSETCL  | WRTS-I  |