

**MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LTD.**

Maharashtra State Load Despatch Centre, Kalwa

To,  
Hon. Energy Minister/ Chief Secretary/ Energy Secretary.  
Maharashtra State, Mumbai.

**Sub: Report of the Power System position for the period      22-Apr-13      To      28-Apr-13**

| Date                            | Monday<br>22-Apr-13 | Tuesday<br>23-Apr-13 | Wednesday<br>24-Apr-13 | Thursday<br>25-Apr-13 | Friday<br>26-Apr-13 | Saturday<br>27-Apr-13 | Sunday<br>28-Apr-13 |
|---------------------------------|---------------------|----------------------|------------------------|-----------------------|---------------------|-----------------------|---------------------|
| <b>On Line Capacity (MW)</b>    |                     |                      |                        |                       |                     |                       |                     |
| MSPGCL THM                      | 4925                | 4523                 | 4297                   | 4015                  | 4030                | 4095                  | 4353                |
| MSPGCL HY                       | 1273                | 1231                 | 1271                   | 1271                  | 1270                | 1270                  | 1270                |
| MSPGCL GAS                      | 580                 | 620                  | 600                    | 600                   | 610                 | 600                   | 600                 |
| <b>MSPGCL TOTAL</b>             | <b>6778</b>         | <b>6374</b>          | <b>6168</b>            | <b>5886</b>           | <b>5910</b>         | <b>5965</b>           | <b>6223</b>         |
| Cent. Sect.(incl. RGPPL)        | 5508                | 4936                 | 5580                   | 6778                  | 6207                | 6054                  | 5415                |
| <b>MSPGCL + CS</b>              | <b>12286</b>        | <b>11310</b>         | <b>11748</b>           | <b>12664</b>          | <b>12117</b>        | <b>12019</b>          | <b>11638</b>        |
| TPCL                            | 1877                | 1877                 | 1877                   | 1877                  | 1877                | 1877                  | 1877                |
| REL                             | 500                 | 500                  | 500                    | 500                   | 500                 | 500                   | 500                 |
| TPCL + REL                      | <b>2377</b>         | <b>2377</b>          | <b>2377</b>            | <b>2377</b>           | <b>2377</b>         | <b>2377</b>           | <b>2377</b>         |
| CPP                             | 2149                | 1518                 | 1168                   | 1410                  | 2167                | 1940                  | 1942                |
| STATE OLC                       | <b>16812</b>        | <b>15205</b>         | <b>15293</b>           | <b>16451</b>          | <b>16661</b>        | <b>16336</b>          | <b>15957</b>        |
| <b>Morning Peak Demand (MW)</b> | <b>12 Hrs</b>       | <b>12 Hrs</b>        | <b>12 Hrs</b>          | <b>11 Hrs</b>         | <b>11 Hrs</b>       | <b>11 Hrs</b>         | <b>12 Hrs</b>       |
| MSPGCL THM                      | 5140                | 4279                 | 4139                   | 3791                  | 4050                | 4231                  | 4211                |
| MSPGCL HY                       | 382                 | 1809                 | 1945                   | 1464                  | 288                 | 316                   | 672                 |
| MSPGCL GAS                      | 604                 | 608                  | 567                    | 591                   | 612                 | 525                   | 599                 |
| <b>MSPGCL TOTAL</b>             | <b>6126</b>         | <b>6696</b>          | <b>6651</b>            | <b>5846</b>           | <b>4950</b>         | <b>5072</b>           | <b>5482</b>         |
| Cent. Sect.(incl. RGPPL)        | 5537                | 6080                 | 6214                   | 7067                  | 6067                | 6479                  | 6026                |
| Wind                            | 25                  | 38                   | 33                     | 220                   | 29                  | 196                   | 250                 |
| CPP                             | 2565                | 1728                 | 1494                   | 1729                  | 2381                | 2392                  | 2348                |
| TPCL Asst                       | -779                | -707                 | -543                   | -817                  | -887                | -743                  | -576                |
| MSEDCL Catered                  | 13474               | 13835                | 13849                  | 14045                 | 12540               | 13396                 | 13553               |
| Load Shedding (LS)              | 680                 | 866                  | 664                    | 585                   | 491                 | 551                   | 704                 |
| <b>MSEDCL Demand( Incl LS)</b>  | <b>14154</b>        | <b>14701</b>         | <b>14513</b>           | <b>14630</b>          | <b>13031</b>        | <b>13947</b>          | <b>14257</b>        |
| TPCL + REL Dem.                 | 2957                | 3050                 | 2950                   | 3039                  | 3053                | 2753                  | 2231                |
| State Demand ( Incl LS)         | <b>17111</b>        | <b>17751</b>         | <b>17463</b>           | <b>17669</b>          | <b>16084</b>        | <b>16700</b>          | <b>16488</b>        |
| Sys. Freq. (Hz)                 | 50.01               | 49.95                | 49.87                  | 50.01                 | 50.11               | 49.93                 | 49.95               |
| <b>Evening Peak Demand (MW)</b> | <b>17 Hrs</b>       | <b>17 Hrs</b>        | <b>17 Hrs</b>          | <b>17 Hrs</b>         | <b>17 Hrs</b>       | <b>17 Hrs</b>         | <b>17 Hrs</b>       |
| MSPGCL THM                      | 5169                | 4357                 | 4135                   | 3987                  | 4090                | 4486                  | 4509                |
| MSPGCL HY                       | 174                 | 1706                 | 898                    | 395                   | 393                 | 476                   | 252                 |
| MSPGCL GAS                      | 611                 | 606                  | 600                    | 588                   | 557                 | 534                   | 588                 |
| <b>MSPGCL TOTAL</b>             | <b>5954</b>         | <b>6669</b>          | <b>5633</b>            | <b>4970</b>           | <b>5040</b>         | <b>5496</b>           | <b>5349</b>         |
| Cent. Sect.(incl. RGPPL)        | 5732                | 5742                 | 6788                   | 6179                  | 5191                | 5748                  | 5647                |
| Wind                            | 242                 | 365                  | 236                    | 371                   | 363                 | 265                   | 502                 |
| CPP                             | 1954                | 1537                 | 1510                   | 2175                  | 2384                | 2398                  | 2334                |
| TPCL Asst                       | -707                | -757                 | -582                   | -951                  | -855                | -635                  | -532                |
| MSEDCL Catered                  | 13175               | 13556                | 13585                  | 12744                 | 12123               | 13272                 | 13300               |
| Load Shedding (LS)              | 224                 | 312                  | 569                    | 554                   | 470                 | 487                   | 467                 |
| <b>MSEDCL Demand( Incl LS)</b>  | <b>13399</b>        | <b>13868</b>         | <b>14154</b>           | <b>13298</b>          | <b>12593</b>        | <b>13759</b>          | <b>13767</b>        |
| TPCL + REL Dem.                 | 2923                | 2974                 | 2964                   | 3140                  | 3118                | 2778                  | 2196                |
| State Demand ( Incl LS)         | <b>16322</b>        | <b>16842</b>         | <b>17118</b>           | <b>16438</b>          | <b>15711</b>        | <b>16537</b>          | <b>15963</b>        |
| Sys. Freq. (Hz)                 | 50.03               | 50.07                | 49.95                  | 50.1                  | 49.99               | 49.97                 | 50.08               |

Copy s.w.rs to : M.D. (MSETCL) / Director (OP), MSETCL, Mumbai.

Copy to : S.E. (LM), MSEDCL, Mumbai.

Chief Engineer  
MSLDC, Kalwa

SLDC,KALWA  
MSPGCL WEEKLY FORCED & PLANNED UNIT OUTAGES

| WEEK | 22-Apr-13 | TO | 28-Apr-13 |
|------|-----------|----|-----------|
|------|-----------|----|-----------|

A) (UNITWISE PLANNED/FORCED OUTAGE POSITION @ 05:30 HRS. OF THE DAY OF (MSPGCL THERMAL UNITS ONLY)

| Sr.No | Date        | 22-Apr-2013 |        | 23-Apr-2013 |        | 24-Apr-2013 |        | 25-Apr-2013 |        | 26-Apr-2013 |        | 27-Apr-2013 |        | 28-Apr-2013 |        |
|-------|-------------|-------------|--------|-------------|--------|-------------|--------|-------------|--------|-------------|--------|-------------|--------|-------------|--------|
|       | Day         | MONDAY      |        | TUESDAY     |        | WEDNESDAY   |        | THURSDAY    |        | FRIDAY      |        | SATURDAY    |        | SUNDAY      |        |
|       | Outage Type | PLANNED     | FORCED | PLANNED     | FORCED | PLANNED     | FORCED | PLANNED     | FORCED | PLANNED     | FORCED | PLANNED     | FORCED | PLANNED     | FORCED |
| 1     | NASIK       | *           | 4      | *           | 4      | *           | *      | *           | 5      | *           | 5      | *           | *      | *           | *      |
| 2     | KORADI      | 5           | *      | 5           | *      | 5           | *      | 5           | 7      | *           | *      | *           | *      | *           | 6      |
| 3     | KHAPERKHEDA | *           | *      | *           | *      | *           | *      | *           | *      | *           | *      | *           | *      | *           | *      |
| 4     | PARALI      | 3,4,5,6,7   | *      | 3,4,5,6,7   | *      | 3,4,5,6,7   | *      | 3,4,5,6,7   | *      | 3,4,5,6,7   | *      | 3,4,5,6,7   | *      | 3,4,5,6,7   | *      |
| 5     | CHANDRAPUR  | *           | *      | *           | *      | *           | 2,7    | *           | 2,7    | *           | 2,7    | *           | 1,7    | *           | 1      |
| 6     | BHUSAVAL    | *           | *      | *           | *      | *           | *      | *           | *      | *           | 2      | *           | 2      | *           | 2      |
| 7     | PARAS       | *           | *      | *           | *      | *           | *      | *           | *      | *           | *      | *           | 4      | *           | 3      |

REMARKS:- 1)THIS INFORMATION TO BE VERIFIED FROM CGM.(GEN.WORKS) MSPGCL,H.O. MUMBAI REPORT BEFORE SUBMITTING TO THE CABINET COMMITTEE  
2) URAN GTPS UNITS ARE KEPT SHUT OR ON STAND BY MODE DUE TO GAS SHORTAGE.  
3) Koradi U-1 to 4, Paras U-2, Parli U-1,2, Bhusawal U-1 and Nasik 1,2 are withdrawn being a vintage units.

B) WEEKLY CENTRAL SECTOR SHARE/DRAWL(IN MUs)

| DATE        | DAY       | CENT.SECT. SHARE |         | TOTAL INTER STATE<br>BILATERAL PURCHASE |         | TOTAL SHARE |         | TOTAL DRAWL |         | OVERDRAWL(+) UNDREDRAWL(-) |         |
|-------------|-----------|------------------|---------|-----------------------------------------|---------|-------------|---------|-------------|---------|----------------------------|---------|
|             |           | MUs              | AVG. MW | MUs                                     | AVG. MW | MUs         | AVG. MW | MUs         | AVG. MW | MUs                        | AVG. MW |
|             |           | 1                |         | 2                                       |         | 1+2=3       |         | 4           |         | 3-4=5                      |         |
| 22-Apr-2013 | MONDAY    | 118.793          | 4950    | 4.190                                   | 175     | 122.983     | 5124    | 122.124     | 5089    | - 0.859                    | -36     |
| 23-Apr-2013 | TUESDAY   | 115.619          | 4817    | 6.460                                   | 269     | 122.079     | 5087    | 129.919     | 5413    | 7.840                      | 327     |
| 24-Apr-2013 | WEDNESDAY | 109.335          | 4556    | 16.160                                  | 673     | 125.495     | 5229    | 139.177     | 5799    | 13.682                     | 570     |
| 25-Apr-2013 | THURSDAY  | 111.344          | 4639    | 25.070                                  | 1045    | 136.414     | 5684    | 145.244     | 6052    | 8.830                      | 368     |
| 26-Apr-2013 | FRIDAY    | 102.400          | 4267    | 20.360                                  | 848     | 122.760     | 5115    | 123.481     | 5145    | 0.721                      | 30      |
| 27-Apr-2013 | SATURDAY  | 110.332          | 4597    | 15.140                                  | 631     | 125.472     | 5228    | 129.638     | 5402    | 4.166                      | 174     |
| 28-Apr-2013 | SUNDAY    | 111.877          | 4662    | 10.300                                  | 429     | 122.177     | 5091    | 129.994     | 5416    | 7.817                      | 326     |
|             | TOTAL     | 779.700          |         | 97.680                                  |         | 877.380     |         | 919.577     |         | 42.197                     |         |

**Details of Koyna Water Consumption (In TMC)**

| <b>DATE</b>      | <b>For the Day</b> | <b>For the Month</b> | <b>Balance</b> |
|------------------|--------------------|----------------------|----------------|
| <b>22-Apr-13</b> | 0.071              | 2.142                | 7.901          |
| <b>23-Apr-13</b> | 0.580              | 2.722                | 7.321          |
| <b>24-Apr-13</b> | 0.414              | 3.136                | 6.907          |
| <b>25-Apr-13</b> | 0.275              | 3.411                | 6.632          |
| <b>26-Apr-13</b> | 0.120              | 3.531                | 6.512          |
| <b>27-Apr-13</b> | 0.132              | 3.663                | 6.380          |
| <b>28-Apr-13</b> | 0.111              | 3.774                | 6.269          |

### Supply Position During Evening Peak (MW)

| Date      | Time | MSEDCL Generation |       |     |       | Central Sector Receipt | WIND | CPP  | TPCL Exch | MSEDCL Catered Demand | Load Shedding (LS). | MSEDCL Demand (Incl LS) | TPCL Gen. | REL Gen. | State demand met | State Demand (Incl LS) | Freq. |
|-----------|------|-------------------|-------|-----|-------|------------------------|------|------|-----------|-----------------------|---------------------|-------------------------|-----------|----------|------------------|------------------------|-------|
|           |      | Thermal           | Hydro | Gas | Total |                        |      |      |           |                       |                     |                         |           |          |                  |                        |       |
|           |      | MW                | MW    | MW  | MW    | MW                     | MW   | MW   | MW        | MW                    | MW                  | MW                      | MW        | MW       | MW               | MW                     | Hzs   |
| 22-Apr-13 | 17   | 5169              | 174   | 611 | 5954  | 5732                   | 242  | 1954 | -707      | 13175                 | 224                 | 13399                   | 1694      | 522      | 16098            | 16322                  | 50.03 |
| 23-Apr-13 | 17   | 4357              | 1706  | 606 | 6669  | 5742                   | 365  | 1537 | -757      | 13556                 | 312                 | 13868                   | 1695      | 522      | 16530            | 16842                  | 50.07 |
| 24-Apr-13 | 17   | 4135              | 898   | 600 | 5633  | 6788                   | 236  | 1510 | -582      | 13585                 | 569                 | 14154                   | 1860      | 522      | 16549            | 17118                  | 49.95 |
| 25-Apr-13 | 17   | 3987              | 395   | 588 | 4970  | 6179                   | 371  | 2175 | -951      | 12744                 | 554                 | 13298                   | 1665      | 524      | 15884            | 16438                  | 50.10 |
| 26-Apr-13 | 17   | 4090              | 393   | 557 | 5040  | 5191                   | 363  | 2384 | -855      | 12123                 | 470                 | 12593                   | 1738      | 525      | 15241            | 15711                  | 49.99 |
| 27-Apr-13 | 17   | 4486              | 476   | 534 | 5496  | 5748                   | 265  | 2398 | -635      | 13272                 | 487                 | 13759                   | 1620      | 523      | 16050            | 16537                  | 49.97 |
| 28-Apr-13 | 17   | 4509              | 252   | 588 | 5349  | 5647                   | 502  | 2334 | -532      | 13300                 | 467                 | 13767                   | 1140      | 524      | 15496            | 15963                  | 50.08 |
| Maximum   |      | 5169              | 1706  | 611 | 6669  | 6788                   | 502  | 2398 | -532      | 13585                 | 569                 | 14154                   | 1860      | 525      | 16549            | 17118                  | 50.10 |
| Minimum   |      | 3987              | 174   | 534 | 4970  | 5191                   | 236  | 1510 | -951      | 12123                 | 224                 | 12593                   | 1140      | 522      | 15241            | 15711                  | 49.95 |
| Average   |      | 4390              | 613   | 583 | 5587  | 5861                   | 335  | 2042 | -717      | 13108                 | 440                 | 13548                   | 1630      | 523      | 15978            | 16419                  | 50.03 |

### Supply Position During Morning Peak (MW)

| Date      | Time | MSEDCL Generation |       |     |       | Central Sector Receipt | WIND | CPP  | TPCL Exch | MSEDCL Catered Demand | Load Shedding (LS). | MSEDCL Demand (Incl LS) | TPCL Gen. | REL Gen. | State demand met | State Demand (Incl LS) | Freq. |
|-----------|------|-------------------|-------|-----|-------|------------------------|------|------|-----------|-----------------------|---------------------|-------------------------|-----------|----------|------------------|------------------------|-------|
|           |      | Thermal           | Hydro | Gas | Total |                        |      |      |           |                       |                     |                         |           |          |                  |                        |       |
|           |      | MW                | MW    | MW  | MW    | MW                     | MW   | MW   | MW        | MW                    | MW                  | MW                      | MW        | MW       | MW               | MW                     | Hzs   |
| 22-Apr-13 | 12   | 5140              | 382   | 604 | 6126  | 5537                   | 25   | 2565 | -779      | 13474                 | 680                 | 14154                   | 1652      | 526      | 16431            | 17111                  | 50.01 |
| 23-Apr-13 | 12   | 4279              | 1809  | 608 | 6696  | 6080                   | 38   | 1728 | -707      | 13835                 | 866                 | 14701                   | 1819      | 524      | 16885            | 17751                  | 49.95 |
| 24-Apr-13 | 12   | 4139              | 1945  | 567 | 6651  | 6214                   | 33   | 1494 | -543      | 13849                 | 664                 | 14513                   | 1881      | 526      | 16799            | 17463                  | 49.87 |
| 25-Apr-13 | 11   | 3791              | 1464  | 591 | 5846  | 7067                   | 220  | 1729 | -817      | 14045                 | 585                 | 14630                   | 1698      | 524      | 17084            | 17669                  | 50.01 |
| 26-Apr-13 | 11   | 4050              | 288   | 612 | 4950  | 6067                   | 29   | 2381 | -887      | 12540                 | 491                 | 13031                   | 1642      | 524      | 15593            | 16084                  | 50.11 |
| 27-Apr-13 | 11   | 4231              | 316   | 525 | 5072  | 6479                   | 196  | 2392 | -743      | 13396                 | 551                 | 13947                   | 1484      | 526      | 16149            | 16700                  | 49.93 |
| 28-Apr-13 | 12   | 4211              | 672   | 599 | 5482  | 6026                   | 250  | 2348 | -576      | 13553                 | 704                 | 14257                   | 1130      | 525      | 15784            | 16488                  | 49.95 |
| Maximum   |      | 5140              | 1945  | 612 | 6696  | 7067                   | 250  | 2565 | -543      | 14045                 | 866                 | 14701                   | 1881      | 526      | 17084            | 17751                  | 50.11 |
| Minimum   |      | 3791              | 288   | 525 | 4950  | 5537                   | 25   | 1494 | -887      | 12540                 | 491                 | 13031                   | 1130      | 524      | 15593            | 16084                  | 49.87 |
| Average   |      | 4263              | 982   | 587 | 5832  | 6210                   | 113  | 2091 | -722      | 13527                 | 649                 | 14176                   | 1615      | 525      | 16389            | 17038                  | 49.98 |

### Details of Supply Position (MUs)

| Date      | MSEDCL Generation |        |        |           |         | Central Sector Receipt | Central Sector Share | WIND   | CPP    | TPCL Gen | R-Infra Gen | TPCL Exch | Energy Requirement |        |         |
|-----------|-------------------|--------|--------|-----------|---------|------------------------|----------------------|--------|--------|----------|-------------|-----------|--------------------|--------|---------|
|           | Thermal           | Hydro  | Gas    | Pench(MS) | Total   |                        |                      |        |        |          |             |           | MSEDCL             | MUMBAI | State   |
|           |                   |        |        |           |         |                        |                      |        |        |          |             |           |                    |        |         |
| 22-Apr-13 | 119.352           | 6.222  | 14.546 | 0.109     | 140.229 | 122.124                | 122.983              | 7.050  | 53.358 | 30.879   | 12.010      | -15.435   | 307.325            | 58.325 | 365.650 |
| 23-Apr-13 | 102.839           | 28.724 | 14.770 | 0.278     | 146.611 | 129.919                | 122.079              | 5.945  | 41.334 | 34.635   | 12.575      | -12.237   | 311.571            | 59.444 | 371.015 |
| 24-Apr-13 | 100.659           | 21.782 | 14.592 | 0.414     | 137.447 | 139.177                | 125.495              | 8.414  | 35.933 | 36.648   | 12.578      | -10.035   | 310.936            | 59.260 | 370.196 |
| 25-Apr-13 | 95.549            | 15.426 | 14.486 | 0.145     | 125.606 | 145.244                | 136.414              | 9.623  | 41.419 | 33.472   | 12.581      | -16.091   | 305.801            | 62.141 | 367.942 |
| 26-Apr-13 | 95.398            | 8.603  | 14.133 | 0.109     | 118.243 | 123.481                | 122.760              | 5.695  | 55.273 | 33.672   | 12.599      | -16.083   | 286.609            | 62.353 | 348.962 |
| 27-Apr-13 | 102.488           | 8.995  | 12.658 | 0.182     | 124.323 | 129.638                | 125.472              | 8.626  | 56.419 | 31.186   | 12.599      | -14.903   | 304.103            | 58.686 | 362.789 |
| 28-Apr-13 | 107.065           | 8.103  | 14.199 | 0.327     | 129.694 | 129.994                | 122.177              | 10.794 | 53.594 | 26.105   | 12.598      | -13.361   | 310.713            | 52.064 | 362.777 |
| Maximum   | 119.352           | 28.724 | 14.770 | 0.414     | 146.611 | 145.244                | 136.414              | 10.794 | 56.419 | 36.648   | 12.599      | -10.035   | 311.571            | 62.353 | 371.015 |
| Minimum   | 95.398            | 6.222  | 12.658 | 0.109     | 118.243 | 122.124                | 122.079              | 5.695  | 35.933 | 26.105   | 12.010      | -16.091   | 286.609            | 52.064 | 348.962 |
| Average   | 103.336           | 13.979 | 14.198 | 0.223     | 131.736 | 131.368                | 125.340              | 8.021  | 48.190 | 32.371   | 12.506      | -14.021   | 305.294            | 58.896 | 364.190 |

**MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LTD.**

Maharashtra State Load Despatch Centre, Kalwa

**Information for Weekly Cabinet Meeting**

For the Week

22-Apr-13

to

28-Apr-13

**Demand Supply Summary**

|                          | Morning Peak<br>(MW) | Evening Peak<br>(MW) |
|--------------------------|----------------------|----------------------|
| Average Peak Demand      | 14176                | 13548                |
| Average Peak Supply      | 13527                | 13108                |
| Average Load Relief (LS) | 649                  | 440                  |

**Average Supply Summary**

|                   | Morning Peak<br>(MW) | Evening Peak<br>(MW) | Mus    |
|-------------------|----------------------|----------------------|--------|
| Thermal           | 4263                 | 4390                 | 103.34 |
| Gas               | 587                  | 583                  | 14.20  |
| Hydro             | 982                  | 613                  | 13.98  |
| CS Drawal (Total) | 6210                 | 5861                 | 131.37 |
| TPCL              | -722                 | -717                 | -14.02 |

**Koyna Water position**

|                                  | Water in TMC<br>Feet |
|----------------------------------|----------------------|
| Average Water Used Per Day       | 0.243                |
| Balance Left                     | 6.269                |
| Balance Left Last Year Same Week | 8.476                |

**MSPGCL Unit Outage Position**

| Date      | MSPGCL (in MW) |        |       |
|-----------|----------------|--------|-------|
|           | Planned        | Forced | Total |
| 22-Apr-13 | 1330           | 210    | 1540  |
| 23-Apr-13 | 1330           | 210    | 1540  |
| 24-Apr-13 | 1330           | 710    | 2040  |
| 25-Apr-13 | 1330           | 1130   | 2460  |
| 26-Apr-13 | 1130           | 1130   | 2260  |
| 27-Apr-13 | 1130           | 1170   | 2300  |
| 28-Apr-13 | 1130           | 880    | 2010  |

**Distressed Load Shedding**

|                             |   |
|-----------------------------|---|
| Maxm. No. of Hours in a day | 0 |
| Number of Days              | 0 |

# GENERATING UNIT OUTAGES FOR THE WEEK

FROM 22-Apr-13 TO 28-Apr-13

## UNIT UNDER PLANNED OUTAGE

| name      | unit_no   | derat_cap | date_trip | time_trip | date_sync | time_sync  | reasondes                            |
|-----------|-----------|-----------|-----------|-----------|-----------|------------|--------------------------------------|
| Koradi    | Unit 5    | 200       | 16-Sep-12 | 04.23     | 25-Apr-13 | 23.33      | C.O.H.,Generator Stator Replacement. |
| Parli     | Unit 4    | 210       | 28-Nov-12 | 02.37     |           | Continued. | water shortage.                      |
| Koyna     | Unit 12   | 80        | 29-Nov-12 | 08.30     |           | Continued. | A/OH.                                |
| Cent_Sect | Tarapur 2 | 160       | 31-Dec-12 | 17.05     |           | Continued. | Refuelling work                      |
| Parli     | Unit 6    | 250       | 25-Jan-13 | 19.49     |           | Continued. | Water Shortage/AOH from 06.03.2013   |
| Parli     | Unit 3    | 210       | 13-Feb-13 | 23.50     |           | Continued. | Water Shortage                       |
| Parli     | Unit 5    | 210       | 14-Feb-13 | 22.45     |           | Continued. | Water Shortage                       |
| Parli     | Unit 7    | 250       | 17-Feb-13 | 01.00     |           | Continued. | Water Shortage.                      |
| Cent_Sect | TARAPUR-3 | 540       | 30-Mar-13 | 22.30     |           | Continued. | AOH.                                 |
| Cent_Sect | NTPC(K-7) | 500       | 2-Apr-13  | 05.06     |           | Continued. | AOH.                                 |
| Koyna     | Unit 2    | 75        | 15-Apr-13 | 07.10     |           | Continued. | Realignment work.                    |
| Cent_Sect | NTPC(V-4) | 210       | 23-Apr-13 | 00.12     |           | Continued. | AOH.                                 |

## UNIT UNDER FORCED OUTAGE

| name        | unit_no    | derat_cap | date_trip | time_trip | date_sync | time_sync  | reason                                                   |
|-------------|------------|-----------|-----------|-----------|-----------|------------|----------------------------------------------------------|
| Dabhol      | 2B         | 230       | 3-Jan-13  | 13.29     |           | Continued. | Gas shortage.                                            |
| CPP         | Adani U1   | 660       | 31-Jan-13 | 17:05     | 25-Apr-13 | 10.43      | Unit-1 Syn.in lieu Unit-2 F/O.                           |
| Dabhol      | 2A         | 230       | 6-Feb-13  | 21.32     |           | Continued. | Gas Shortage                                             |
| Dabhol      | 2X         | 290       | 6-Feb-13  | 21.32     |           | Continued. | Gas Shortage                                             |
| Hydro       | GhatgharU2 | 125       | 16-Apr-13 | 10.30     |           | Continued. | Water seepage from turbine sprial casing foundation.     |
| Hydro       | GhatgharU1 | 125       | 16-Apr-13 | 20.00     |           | Continued. | While working on U-2,Water leakage observed in penstock. |
| Nasik       | Unit 4     | 210       | 18-Apr-13 | 12:15     | 23-Apr-13 | 04.20      | Boiler Tube Leakage.                                     |
| CPP         | WPCL U-1   | 135       | 20-Apr-13 | 21.59     |           | Continued. | F D Fan Problem.                                         |
| Koradi      | Unit 7     | 210       | 22-Apr-13 | 17.39     | 26-Apr-13 | 11.20      | BLR T/L.                                                 |
| Chandrapur  | Unit 7     | 500       | 22-Apr-13 | 21.04     | 27-Apr-13 | 09.00      | BLR T/L.                                                 |
| CPP         | Adani U-2  | 660       | 22-Apr-13 | 13.47     |           | Continued. | ID fan problem.                                          |
| Cent_Sect   | TARAPUR-4  | 540       | 23-Apr-13 | 19.19     |           | Continued. | Process Problem.                                         |
| Chandrapur  | Unit 2     | 210       | 23-Apr-13 | 07.48     | 26-Apr-13 | 15.23      | Furnace Pressure Very High.                              |
| CPP         | JSW (J) U4 | 300       | 23-Apr-13 | 09.01     | 25-Apr-13 | 05.57      | Cooling water system leakage.                            |
| Bhusawal    | Unit 5     | 500       | 24-Apr-13 | 10.30     |           | Continued. | Bunkering problem.                                       |
| Koyna       | ST-IV 2    | 250       | 24-Apr-13 | 23.15     | 25-Apr-13 | 00.55      | Tripped on Numerical protection.                         |
| Nasik       | Unit 5     | 210       | 25-Apr-13 | 05.15     | 26-Apr-13 | 06.45      | Air heater decoupled.                                    |
| CPP         | Adani U1   | 660       | 25-Apr-13 | 16.53     | 25-Apr-13 | 23.45      | Tripping of 400KV Warora-Tirora-II.                      |
| Bhusawal    | Unit 4     | 500       | 26-Apr-13 | 00.02     | 26-Apr-13 | 02.59      | Flame failure.                                           |
| Bhusawal    | Unit 2     | 210       | 26-Apr-13 | 01.12     | 28-Apr-13 | 22.43      | ID fan problem.                                          |
| Khaparkheda | Unit 2     | 210       | 26-Apr-13 | 01.09     | 26-Apr-13 | 04.42      | Flame failure.                                           |
| Dabhol      | 1A         | 230       | 26-Apr-13 | 02.32     | 26-Apr-13 | 08.42      | D.C.S.Failure.                                           |
| Dabhol      | 1B         | 230       | 26-Apr-13 | 02.32     | 26-Apr-13 | 17.35      | D.C.S.Failure.                                           |
| Dabhol      | 1X         | 290       | 26-Apr-13 | 02.32     | 26-Apr-13 | 11.51      | D.C.S.Failure.                                           |
| Koradi      | Unit 5     | 200       | 26-Apr-13 | 15.06     | 26-Apr-13 | 19.28      | Bearing Temp. High.                                      |
| Chandrapur  | Unit 1     | 210       | 26-Apr-13 | 19.24     | 28-Apr-13 | 14.12      | Boiler Tube Temp.Very Low.                               |
| Paras       | Unit 3     | 250       | 26-Apr-13 | 12.41     | 28-Apr-13 | 08.14      | Boiler Tube Leakage.                                     |
| Cent_Sect   | Sipat-4    | 500       | 27-Apr-13 | 21.21     |           | Continued. | Coal Shortage.                                           |
| Uran        | Unit A0    | 120       | 27-Apr-13 | 03.07     | 27-Apr-13 | 06.12      | Earth Fault.                                             |
| Koradi      | Unit 6     | 210       | 27-Apr-13 | 21.21     | 28-Apr-13 | 15.27      | I D Fan Problem.                                         |
| Cent_Sect   | NTPC (K-2) | 210       | 27-Apr-13 | 03.07     |           | Continued. | Boiler Tube Leakage.                                     |
| Paras       | Unit 3     | 250       | 28-Apr-13 | 11.05     | 28-Apr-13 | 16.36      | Vaccum Pressure High.                                    |
| Uran        | Unit 7     | 108       | 28-Apr-13 | 22.54     |           | Continued. | Boiler Duct Renovation.                                  |
| CPP         | WPCL U-2   | 135       | 29-Apr-13 | 00.28     |           | Continued. | Bottom Ash Conveying Problem.                            |
| Chandrapur  | Unit 2     | 210       | 29-Apr-13 | 06.55     |           | Continued. | Boiler Tube Leakage.                                     |

**LINE OUTAGES FOR THE WEEK**

|                |                                          | <b>FROM 22-Apr-13</b> |                  | <b>TO 28-Apr-13</b> |                  |                                                                                                 |
|----------------|------------------------------------------|-----------------------|------------------|---------------------|------------------|-------------------------------------------------------------------------------------------------|
| <b>Voltage</b> | <b>Name</b>                              | <b>date_trip</b>      | <b>time_trip</b> | <b>date_sync</b>    | <b>time_sync</b> | <b>Reason</b>                                                                                   |
| 400KV          | Warora-Tiroda-I                          | 2-Apr-13              | 14.05            | 25-Apr-13           | 19.27            | Over Voltage.                                                                                   |
| 400KV          | Warora - Wardha (PG) - II                | 19-Apr-13             | 19.40            | 22-Apr-13           | 07.46            | Sparking at B Phase CT at Wardha,Ready for Charging from 17.57 Hrs.                             |
| 400KV          | Dhule-Sar'Sarovar - I                    | 20-Apr-13             | 10.15            | 22-Apr-13           | 09.09            | Repl.of Faulty Disc Insulator.                                                                  |
| 400KV          | Karad - Kolhapur - I                     | 21-Apr-13             | 17.10            | 22-Apr-13           | 06.45            | Over Voltage.                                                                                   |
| 400KV          | Kolhapur-Mapusa-II                       | 21-Apr-13             | 16.31            | 22-Apr-13           | 09.31            | Over Voltage.                                                                                   |
| 400KV          | 400/220KV, 315MVA ICT-I @ New Koyna.     | 22-Apr-13             | 11.47            | 22-Apr-13           | 15.58            | For antitrack coating of 33KV PT.                                                               |
| 400KV          | 400/220KV 315 MVA ICT-I @ Padgha         | 22-Apr-13             | 14.42            | 22-Apr-13           | 20.36            | Oil leakage from primary side stud of R-Ph CT..                                                 |
| 400KV          | Karad - Kolhapur - II                    | 22-Apr-13             | 18.07            | 23-Apr-13           | 06.53            | Over Voltage.                                                                                   |
| 400KV          | Kolhapur - Mapusa - I                    | 22-Apr-13             | 16.44            | 23-Apr-13           | 08.47            | Over Voltage.                                                                                   |
| 400KV          | Akola - Wardha - I                       | 22-Apr-13             | 17.56            | 23-Apr-13           | 07.20            | Over Voltage.                                                                                   |
| 400KV          | 400/220KV 315 MVA ICT-I @ Padgha         | 22-Apr-13             | 23.32            | 23-Apr-13           | 02.50            | To attend oil leakage from CT.                                                                  |
| 400KV          | Bhusawal- Aurangabad                     | 22-Apr-13             | 14.17            | 22-Apr-13           | 17.36            | To take trial of Ckt BKR,after replacement of trip coil.                                        |
| 400KV          | Parli - Solapur                          | 22-Apr-13             | 21.35            | 22-Apr-13           | 22.38            | Over Voltage.                                                                                   |
| 400KV          | Dhule - S'Sarovar- II                    | 22-Apr-13             | 23.12            | 25-Apr-13           | 10.09            | Over Voltage.                                                                                   |
| 400KV          | Karad-Jaigad II                          | 23-Apr-13             | 01.17            | 23-Apr-13           | 15.31            | Dist Protection.                                                                                |
| 400KV          | 400/220 KV 600 MVA ICT - IV @ Padgha     | 23-Apr-13             | 03.12            | 23-Apr-13           | 21.34            | Y-Ph CT Burst.                                                                                  |
| 400KV          | Karad-Jaigad II                          | 23-Apr-13             | 08.57            | 23-Apr-13           | 15.31            | A.M.Work,cold line insulator washing.                                                           |
| 400KV          | 400/220KV 315MVA ICT-II @ New Koyna      | 23-Apr-13             | 09.45            | 23-Apr-13           | 14.11            | For ant-track coating of 33KV.                                                                  |
| 400KV          | Warora - Tiroda - II                     | 23-Apr-13             | 10.41            | 23-Apr-13           | 19.29            | Attending mild hot glow on the nut bolt of corona ring.                                         |
| 400KV          | 400/220KV,315MVA ICT-I at Karad          | 23-Apr-13             | 14.28            | 23-Apr-13           | 17.29            | Tertiary side insulator,coating,Tandelta                                                        |
| 400KV          | Karad - Kolhapur - I                     | 23-Apr-13             | 18.04            | 24-Apr-13           | 08.20            | Over Voltage.                                                                                   |
| 400KV          | Kolhapur - Mapusa - II                   | 23-Apr-13             | 17.07            | 24-Apr-13           | 09.13            | Over Voltage.                                                                                   |
| 400KV          | Chandrapur - Bhadravati - IV             | 23-Apr-13             | 17.51            |                     | Continued.       | Over Voltage.                                                                                   |
| 400KV          | Akola - Wardha - I                       | 23-Apr-13             | 19.15            | 24-Apr-13           | 08.51            | Over Voltage.                                                                                   |
| 400KV          | 400/220KV 500MVA ICT- I at Khaperkheda   | 23-Apr-13             | 16.51            | 23-Apr-13           | 17.50            | Hot spot of tertiary winding.                                                                   |
| 400KV          | Karad-Jaigad I                           | 24-Apr-13             | 08.23            | 24-Apr-13           | 19.25            | Cold line insulator washing.                                                                    |
| 400KV          | Warora - Tiroda - II                     | 24-Apr-13             | 12.49            | 25-Apr-13           | 06.28            | Replacement of insulator.                                                                       |
| 400KV          | Parli - Solapur                          | 24-Apr-13             | 08.34            | 24-Apr-13           | 22.36            | Testing and repl.of line CVTs.                                                                  |
| 400KV          | Kolhapur-Solapur(PGCIL)-I                | 24-Apr-13             | 16.24            |                     | Continued.       | Over Voltage.                                                                                   |
| 400KV          | Kolhapur - Mapusa - I                    | 24-Apr-13             | 17.18            | 25-Apr-13           | 09.25            | Over Voltage.                                                                                   |
| 400KV          | 400/220 KV315 MVA ICT-I @ BBLR           | 24-Apr-13             | 17.38            | 24-Apr-13           | 18.10            | Bus bar protection operated due to R ph.string of Alephata line burst and conductor near bus-2  |
| 400KV          | 400/220KV 315MVA ICT-II @ BBLSR          | 24-Apr-13             | 17.38            | 24-Apr-13           | 18.21            | Bus bar protection operated due to R ph.string of Alephata line burst and conductor near bus-2. |
| 400KV          | Wardha-Warora-II                         | 24-Apr-13             | 17.48            | 25-Apr-13           | 10.31            | Over Voltage.                                                                                   |
| 400KV          | New Koyna-Jaigad II                      | 25-Apr-13             | 06.27            | 25-Apr-13           | 06.57            | Distance protection.                                                                            |
| 400KV          | Akola - Wardha - II                      | 25-Apr-13             | 03.05            | 25-Apr-13           | 09.05            | Over Voltage.                                                                                   |
| 400KV          | 400/220 KV,500MVA ICT-II at Deepnagar.   | 25-Apr-13             | 08.29            | 25-Apr-13           | 18.36            | For applying high insulation coating.                                                           |
| 400KV          | 400/220 KV 500 MVA ICT - II @ Jejuri     | 25-Apr-13             | 11.06            | 25-Apr-13           | 17.09            | Attending hot spot.                                                                             |
| 400KV          | Koradi-Khaparkheda-I                     | 25-Apr-13             | 21.14            | 25-Apr-13           | 23.53            | To avail outage on Bus-I.                                                                       |
| 400KV          | 400/220 KV 300 MVA ICT-I @ Koradi        | 25-Apr-13             | 21.22            | 25-Apr-13           | 23.47            | To avail outage on Bus-I.                                                                       |
| 400KV          | 400 KV Bus Coupler @ Koradi              | 25-Apr-13             | 21.28            | 25-Apr-13           | 22.55            | To avail outage on Bus-I.                                                                       |
| 400KV          | Karad - Kolhapur - I                     | 25-Apr-13             | 22.21            | 26-Apr-13           | 09.11            | Over Voltage.                                                                                   |
| 400KV          | Padgha - Talegaon (PG)                   | 25-Apr-13             | 09.17            | 25-Apr-13           | 19.03            | Q.M.Work                                                                                        |
| 400KV          | 80 MVAR Bus Reactor @ Kolhapur           | 25-Apr-13             | 14.37            | 25-Apr-13           | 16.13            | Outage.                                                                                         |
| 400KV          | Kolhapur - Mapusa - II                   | 25-Apr-13             | 16.49            | 27-Apr-13           | 08.38            | Over Voltage.                                                                                   |
| 400KV          | Wardha-Warora-II                         | 25-Apr-13             | 17.11            | 26-Apr-13           | 06.05            | Over Voltage.                                                                                   |
| 400KV          | Koradi-Satpur                            | 25-Apr-13             | 17.35            | 26-Apr-13           | 08.56            | Over Voltage.                                                                                   |
| 400KV          | Solapur - Solapur (PG)                   | 25-Apr-13             | 18.02            | 25-Apr-13           | 19.07            | Over Voltage.                                                                                   |
| 400KV          | Solapur PG - Parly PG - I                | 25-Apr-13             | 17.05            | 26-Apr-13           | 09.04            | Over Voltage.                                                                                   |
| 400KV          | Solapur - Solapur (PG)                   | 25-Apr-13             | 19.17            | 25-Apr-13           | 19.31            | Over Voltage.                                                                                   |
| 400KV          | Solapur - Solapur (PG)                   | 25-Apr-13             | 20.00            | 26-Apr-13           | 09.26            | Over Voltage.                                                                                   |
| 400KV          | Akola - Wardha - I                       | 25-Apr-13             | 21.39            | 26-Apr-13           | 00.11            | Over Voltage.                                                                                   |
| 400KV          | Parli - Lamboti                          | 25-Apr-13             | 16.57            | 26-Apr-13           | 06.19            | Over Voltage.                                                                                   |
| 400KV          | Warora- Tiroda -II                       | 25-Apr-13             | 16.53            |                     | Continued.       | Distance protection.                                                                            |
| 400KV          | 400/220KV,500 MVA ICT-III at Kolhapur    | 25-Apr-13             | 21.21            | 25-Apr-13           | 22.12            | Tripped on NDR.                                                                                 |
| 400KV          | 400/220KV,500 MVA ICT-III at Kolhapur    | 25-Apr-13             | 23.57            | 27-Apr-13           | 12.55            | NDR,heavy rain.                                                                                 |
| 400KV          | 400/220/33KV,500 MVA ICT-I At Kalwa      | 25-Apr-13             | 22.32            | 25-Apr-13           | 23.06            | Bus bar protection operated.                                                                    |
| 400KV          | Khadka - Deepnagar - I                   | 25-Apr-13             | 09.14            | 25-Apr-13           | 15.01            | To attend hot spot.                                                                             |
| 400KV          | Main Bus- I @ Koradi                     | 25-Apr-13             | 21.28            | 25-Apr-13           | 22.55            | For synchronization of Unit-5 on empty bus.                                                     |
| 400KV          | Dhule-Sar'Sarovar - II                   | 25-Apr-13             | 18.15            | 26-Apr-13           | 20.20            | Over Voltage.O/O,Replacement of Disc Insulator String B Ph.& Corona Ring Replacement.           |
| 400KV          | Kalwa-Kharghar                           | 26-Apr-13             | 08.08            | 26-Apr-13           | 19.47            | Replacement of R Ph. CVT @ LA.                                                                  |
| 400KV          | Koradi - New Koradi                      | 26-Apr-13             | 08.20            | 26-Apr-13           | 23.30            | Scada Testing Work,Ready for Charging from 21.0 Hrs.                                            |
| 400KV          | Koradi - II - Indiabull                  | 26-Apr-13             | 08.20            | 26-Apr-13           | 23.36            | Q.M.Work & Scada Testing.                                                                       |
| 400KV          | Akola - Indiabull (Nandgaonpeth)         | 26-Apr-13             | 08.38            | 26-Apr-13           | 23.27            | To Avail Bus Outage on Indiabull.                                                               |
| 400KV          | 400/220KV 315 MVA ICT-I @ Padgha         | 26-Apr-13             | 15.58            | 26-Apr-13           | 17.56            | For Taking Oil Samples.                                                                         |
| 400KV          | Karad-New Koyna II                       | 26-Apr-13             | 17.40            | 27-Apr-13           | 07.32            | Dist.Prot. Main -I Operated Air Louckout,During Patrolling R Ph.Insulator Decapping Found.      |
| 400KV          | Karad-Kolhapur-II                        | 26-Apr-13             | 17.48            | 27-Apr-13           | 08.52            | Over Voltage.                                                                                   |
| 400KV          | Karad-Jaigad I                           | 26-Apr-13             | 17.48            | 27-Apr-13           | 00.48            | R Phase Dist.Prot.                                                                              |
| 400KV          | Karad - Kolhapur - I                     | 26-Apr-13             | 17.14            | 26-Apr-13           | 19.55            | Over Voltage Alarm @ Karad.                                                                     |
| 400KV          | Wardha (PG) - Warora - I                 | 26-Apr-13             | 14.51            | 26-Apr-13           | 17.12            | To Attend Hot Spot on Y Ph. Wave Trap @ Wardha PG.                                              |
| 400KV          | 400/11.5 KV 90 MVA Station T/F -III @ Ch | 26-Apr-13             | 15.38            |                     | Continued.       | Differential Protection Operated OLTC Buchholz Protection Operated Bucholz Alarm,MTR Operated.  |
| 400KV          | Main Bus @ Indiabulls                    | 26-Apr-13             | 08.38            | 26-Apr-13           | 23.27            | Testing of Bus Bar Scheme.                                                                      |
| 400KV          | Newkoyna - Jaigad - I                    | 27-Apr-13             | 02.29            | 27-Apr-13           | 12.27            | Distance Protection,Z-II,B-E,F,C.                                                               |
| 400KV          | Tie Breaker at Akola                     | 27-Apr-13             | 03.29            | 27-Apr-13           | 16.10            | Air Leakage.                                                                                    |
| 400KV          | Karad - Kolhapur - II                    | 27-Apr-13             | 17.45            | 28-Apr-13           | 08.02            | Over Voltage.                                                                                   |
| 400KV          | Padgha -Tarapur - I                      | 27-Apr-13             | 18.08            | 27-Apr-13           | 19.17            | 400 KV Bus-I Diff.Prot.Testing @ TAPS.                                                          |
| 400KV          | Padgha-Tarapur - II                      | 27-Apr-13             | 18.09            | 27-Apr-13           | 19.23            | 400 KV Bus-I Diff.Prot.Testing @ TAPS                                                           |
| 400KV          | Kolhapur - Mapusa - I                    | 27-Apr-13             | 18.42            |                     | Continued.       | Over Voltage.                                                                                   |

|       |                                       |           |       |           |            |                                                                                                 |
|-------|---------------------------------------|-----------|-------|-----------|------------|-------------------------------------------------------------------------------------------------|
| 400KV | Tie Bay @ Lamboti                     | 27-Apr-13 | 10.56 | 28-Apr-13 | 06.17      | Attending Auxiliary Contact Problem.                                                            |
| 400KV | Newkoyna - Jaigad - I                 | 28-Apr-13 | 01.29 | 28-Apr-13 | 19.35      | Distance Protection,R-E,Z-II.                                                                   |
| 400KV | New Koyna - Jaigad - II               | 28-Apr-13 | 02.50 | 28-Apr-13 | 09.18      | Distance Protection,B-E,Z-II.                                                                   |
| 400KV | Karad-Jaigad I                        | 28-Apr-13 | 06.49 | 28-Apr-13 | 06.56      | Distance Protection.                                                                            |
| 220KV | Miraj -Ichalkarajini                  | 19-Apr-13 | 15.18 | 22-Apr-13 | 17.14      | Distance Relay retrofitting work                                                                |
| 220KV | Mudshingi-Wathar                      | 22-Apr-13 | 10.28 | 22-Apr-13 | 15.11      | Q.M.Work                                                                                        |
| 220KV | Main Bus at Tilwani                   | 22-Apr-13 | 10.35 | 22-Apr-13 | 16.37      | Hot Spot & Relay Testing & Q.M.Work.                                                            |
| 220KV | Wadkhal - Ndil - 2                    | 22-Apr-13 | 08.01 | 22-Apr-13 | 11.01      | Isolator maintenance.                                                                           |
| 220KV | Pophali - KDPH                        | 22-Apr-13 | 11.00 | 22-Apr-13 | 22.15      | Alignment of isolator.                                                                          |
| 220KV | Lamboti-Bale-I                        | 22-Apr-13 | 16.44 | 22-Apr-13 | 18.36      | Attending hot spot.                                                                             |
| 220KV | Momewadi -Halkarni                    | 22-Apr-13 | 08.38 | 22-Apr-13 | 11.32      | Q.M.Work                                                                                        |
| 220KV | Ambazari-Amravati                     | 22-Apr-13 | 09.58 | 22-Apr-13 | 16.20      | Repl of B-Ph CT.                                                                                |
| 220KV | Chandrapur - Chandrapur MIDC          | 22-Apr-13 | 15.36 | 22-Apr-13 | 16.19      | B-Ph,Zone I.                                                                                    |
| 220KV | Kandalgaon - ONGC                     | 23-Apr-13 | 07.02 | 23-Apr-13 | 08.40      | Hot spot at bus side isolator.                                                                  |
| 220KV | Wadkhal-NDIL-3                        | 23-Apr-13 | 08.02 | 23-Apr-13 | 12.22      | R.M.Work                                                                                        |
| 220KV | Talangaade - Mudshingi - I            | 23-Apr-13 | 08.57 | 23-Apr-13 | 18.08      | Repl.of old disc insulator by long rod polymer insulator.                                       |
| 220KV | Pophali - Kandalgaon                  | 23-Apr-13 | 09.05 | 23-Apr-13 | 21.25      | Repl & aligment of line side isolator.                                                          |
| 220KV | Mahape - Siemens                      | 23-Apr-13 | 12.00 | 23-Apr-13 | 19.28      | Fixing of aviation sphere on E/W and top Ph.Cond.                                               |
| 220KV | Newkoyna -Lote-Parsuram               | 23-Apr-13 | 16.05 | 23-Apr-13 | 16.29      | Distance Protection.                                                                            |
| 220KV | Lote- Dasturi                         | 23-Apr-13 | 16.29 | 23-Apr-13 | 18.10      | While taking N.koyna-Lote line.                                                                 |
| 220KV | Kalmeshwar - Pandurna                 | 23-Apr-13 | 14.45 | 23-Apr-13 | 15.20      | Distance Protection.                                                                            |
| 220KV | Akola - Badnera - I                   | 23-Apr-13 | 11.12 | 23-Apr-13 | 17.36      | CT Repl.work.                                                                                   |
| 220KV | Pusad-Nanded                          | 23-Apr-13 | 11.26 | 23-Apr-13 | 11.45      | Dist prot Z-I.                                                                                  |
| 220KV | 220/132 KV 100 MVA ICT @ Sawangi      | 23-Apr-13 | 12.52 | 23-Apr-13 | 14.00      | Measurement of bushing dimension.                                                               |
| 220KV | Bhose-Ahmadnagar I                    | 23-Apr-13 | 14.54 | 23-Apr-13 | 14.56      | New Bhose S/S charged with Ckt.i.                                                               |
| 220KV | Mahape - Siemens                      | 24-Apr-13 | 10.03 | 24-Apr-13 | 19.07      | Fixing of aviation sphere on E/W .                                                              |
| 220KV | Karad - Nigade                        | 24-Apr-13 | 10.19 | 24-Apr-13 | 18.38      | Isolator jumper replacement.                                                                    |
| 220KV | Vita - Lamboti                        | 24-Apr-13 | 16.50 | 24-Apr-13 | 19.32      | Replacment of R ph.damaged conductor.                                                           |
| 220KV | Main Bus -I at BBLSR                  | 24-Apr-13 | 17.38 | 24-Apr-13 | 18.09      | Bus bar protection operated due to R ph.string of Alephata line burst and conductor near bus-2  |
| 220KV | BBLSR-Waluj                           | 24-Apr-13 | 17.38 | 24-Apr-13 | 18.11      | Bus bar protection operated due to R ph.string of Alephata line burst and conductor near bus-2. |
| 220KV | Babaleshwar - Babaleshwar - I         | 24-Apr-13 | 17.38 | 24-Apr-13 | 18.17      | Bus bar protection operated due to R ph.string of Alephata line burst and conductor near bus-2. |
| 220KV | Bableswhar-Nasik-I                    | 24-Apr-13 | 17.38 | 24-Apr-13 | 18.15      | Bus bar protection operated due to R ph.string of Alephata line burst and conductor near bus-2. |
| 220KV | Babaleshwar - Nagar - I               | 24-Apr-13 | 17.38 | 24-Apr-13 | 18.20      | Bus bar protection operated due to R ph.string of Alephata line burst and conductor near bus-2. |
| 220KV | Babaleshwar - Alephata                | 24-Apr-13 | 17.38 | 25-Apr-13 | 01.30      | Bus bar protection operated due to R ph.string of Alephata line burst and conductor near bus-2. |
| 220KV | Main Bus-II At 220 KV BBLSR           | 24-Apr-13 | 20.54 | 25-Apr-13 | 01.30      | Heavy sparking opserved at broken conductor on Alephata line.                                   |
| 220KV | 220/132KV 100MVA ICT at Butibori      | 24-Apr-13 | 07.01 | 24-Apr-13 | 15.04      | Attending hot spot.                                                                             |
| 220KV | Hinganghat - RLY TSS - II             | 24-Apr-13 | 18.16 | 24-Apr-13 | 18.30      | Back up protection operated.                                                                    |
| 220KV | Aurangabad-Jalna-II                   | 24-Apr-13 | 11.00 | 26-Apr-13 | 13.31      | CktBreaker overhauling work.Ckt.is on TBC.                                                      |
| 220KV | BBLSR-Chalisgaon                      | 24-Apr-13 | 20.53 | 24-Apr-13 | 21.38      | Emergency hand tripped at BBLSR end.                                                            |
| 220KV | Warora - Wani - II                    | 24-Apr-13 | 06.36 | 25-Apr-13 | 01.57      | For cross arm replacement at Loc.No.24.                                                         |
| 220KV | Chandrapur-Wani                       | 24-Apr-13 | 06.37 | 25-Apr-13 | 02.13      | For cross arm replacement at Loc.No.24.                                                         |
| 220KV | Pophali - Pedambe - I                 | 25-Apr-13 | 09.10 | 25-Apr-13 | 16.10      | Maintenance work.                                                                               |
| 220KV | KDPH-Wankuswadi                       | 25-Apr-13 | 07.00 | 25-Apr-13 | 20.50      | Replacement and alignment of line side isolator.                                                |
| 220KV | Khadki - VSNL                         | 25-Apr-13 | 10.04 | 25-Apr-13 | 18.53      | Tan delta of CT and Testing work.                                                               |
| 220KV | Mahape - Siemens                      | 25-Apr-13 | 09.54 | 25-Apr-13 | 18.59      | Fixing of aviation sphere on E/W.                                                               |
| 220KV | Main Bus-II at Jejuri                 | 25-Apr-13 | 10.54 | 25-Apr-13 | 17.05      | Maintenance work.                                                                               |
| 220KV | Usmanabad-Paranda                     | 25-Apr-13 | 16.36 |           | Continued. | Distance protection.                                                                            |
| 220KV | Kalwa - Baggaon                       | 25-Apr-13 | 22.32 | 27-Apr-13 | 00.45      | Y ph.CT burst.                                                                                  |
| 220KV | 220 kV Main Bus- I @ 400 KV Kalwa     | 25-Apr-13 | 22.32 | 25-Apr-13 | 23.01      | Bus bar protection operated.                                                                    |
| 220KV | Kalwa-Trombay                         | 25-Apr-13 | 22.32 | 25-Apr-13 | 23.24      | Bus bar protection operated.                                                                    |
| 220KV | Kalwa - Khargar                       | 25-Apr-13 | 22.32 | 25-Apr-13 | 23.03      | Bus bar protection operated.                                                                    |
| 220KV | Kalwa-C'chem                          | 25-Apr-13 | 22.32 | 25-Apr-13 | 23.10      | Bus bar protection operated.                                                                    |
| 220KV | Kalwa-Mulund-I                        | 25-Apr-13 | 22.32 | 25-Apr-13 | 23.12      | Bus bar protection operated.                                                                    |
| 220KV | Inter Connector @ Kalwa               | 25-Apr-13 | 22.32 | 25-Apr-13 | 23.25      | Bus bar protection operated./52B                                                                |
| 220KV | Kalwa - Salshet - III                 | 25-Apr-13 | 22.32 | 25-Apr-13 | 23.08      | Bus bar protection operated.                                                                    |
| 220KV | Karad-Mudsingi-IV                     | 25-Apr-13 | 23.45 | 26-Apr-13 | 01.12      | Distance protection .                                                                           |
| 220KV | 220/132KV 200MVA ICT-II at Khadka     | 25-Apr-13 | 10.36 | 25-Apr-13 | 18.20      | Covering of buchholz relay and PRV.                                                             |
| 220KV | 220/132KV 100 MVA ICT-II at Dondaicha | 25-Apr-13 | 10.23 | 25-Apr-13 | 22.00      | Replacement of LV CT.                                                                           |
| 220KV | 220/132 KV 200MVA ICT I at Girwali    | 25-Apr-13 | 09.02 | 25-Apr-13 | 11.53      | Q.M.Work                                                                                        |
| 220KV | Paranda-Barshi                        | 25-Apr-13 | 17.39 |           | Continued. | Distance protection operated zone 1.                                                            |
| 220KV | 220 kV Bus-Coupler @ Kalwa            | 25-Apr-13 | 22.32 | 25-Apr-13 | 23.01      | Bus bar protection operated.                                                                    |
| 220KV | Mumewadi-Mudshingi                    | 26-Apr-13 | 07.06 | 26-Apr-13 | 12.21      | Repl. of B Ph Flashover Insulator,                                                              |
| 220KV | Padgha-Jambhul-I                      | 26-Apr-13 | 08.10 | 26-Apr-13 | 15.54      | Bus Outage @ Jambhul.                                                                           |
| 220KV | Padgha-Jambhul II                     | 26-Apr-13 | 08.10 | 26-Apr-13 | 15.33      | Bus Outage @ Jambhul.                                                                           |
| 220KV | Babaleshwar - Chalisgaon              | 26-Apr-13 | 09.31 | 26-Apr-13 | 10.53      | Emergency Outage to Attend Hot Spot @ Chailsgaon.                                               |
| 220KV | 220/132KV 150MVA ICT @ Boisor         | 26-Apr-13 | 10.04 | 26-Apr-13 | 19.15      | SFRA & Hot Spot Attending Work.                                                                 |
| 220KV | Mahape - Siemens                      | 26-Apr-13 | 09.56 | 26-Apr-13 | 18.26      | Fixing of Aviation Sphere on E/W & Top Phase Conductor.                                         |
| 220KV | Raymond-Washala                       | 26-Apr-13 | 10.20 | 26-Apr-13 | 15.48      | Q.M.Work & Tan Delta Testing Work.                                                              |
| 220KV | Talangaade - Mudshingi - I            | 26-Apr-13 | 10.35 | 26-Apr-13 | 19.57      | Insulator Replacement Work.                                                                     |
| 220KV | Talangaade-Mudshingi-II               | 26-Apr-13 | 10.35 | 26-Apr-13 | 19.58      | Insulator Replacement Work.                                                                     |
| 220KV | M'Peth -Vankuswade                    | 26-Apr-13 | 09.10 | 26-Apr-13 | 17.44      | Insulator Replacement Work.                                                                     |
| 220KV | Aarey - Saki                          | 26-Apr-13 | 10.26 | 26-Apr-13 | 15.58      | Annual Bay Maint.                                                                               |
| 220KV | Road side bus at Kalwa                | 26-Apr-13 | 13.54 | 26-Apr-13 | 17.40      | For Attending Hot Spot on 220 KV Ternghar Bay.                                                  |
| 220KV | Main Bus @ Jambhul                    | 26-Apr-13 | 08.10 | 26-Apr-13 | 15.33      | Bus Isolator Maint.                                                                             |