



***Maharashtra State Electricity Transmission  
Company Ltd.***

# **State Load Dispatch Center, Airoli**

**Daily system Report**

**for**

**21/Aug/2010**

**State Load Dispatch Center, Airoli (MSETCL)**  
**Daily system Report for 21/Aug/2010 SATURDAY**

| I GENERATION (MUs)       |                |                 | II EXCHANGES (MUs)             |                |                 |
|--------------------------|----------------|-----------------|--------------------------------|----------------|-----------------|
| A) MSGENCO               | Daily          | Monthly         | E) Central Sector              | Daily          | Monthly         |
| 1) Thermal               | 57.285         | 1523.564        | 1) Madhya Pradesh              | 64.183         | 1186.635        |
| 2) Hydro                 | 7.947          | 152.189         | 2) Gujrat                      | 43.328         | 706.514         |
| 3) Gas                   | 15.976         | 327.284         | 3) Goa                         | -6.098         | -120.560        |
| <b>Total MSGENCO</b>     | <b>81.208</b>  | <b>2003.037</b> | 4) TAPS 1&2 (Inj.)             | 7.870          | 159.578         |
| <b>B) OTHERS</b>         |                |                 | 5) Pench (Excess)              | -0.044         | -0.897          |
| 1) RGPPL Gas             | 30.145         | 547.953         | <b># Total Cent. Sector</b>    | <b>109.239</b> | <b>1931.270</b> |
| 2) Wind Generation       | 4.076          | 285.557         | <b>F) Other Exchanges</b>      |                |                 |
| 3) CPP                   | 11.261         | 126.349         | 1) With TPCL (Excess)          | -7.742         | -239.997        |
| 4) PENCH (MS)            | 0.044          | 0.897           | <b>G) Bilateral Power *</b>    |                |                 |
| <b>C) TPCL &amp; REL</b> |                |                 | 1) MSEDCL Bilateral            | 6.296          | 83.066          |
| 1) TPCL Thermal          | 25.507         | 455.683         | Include PX                     | 7.276          | 130.859         |
| 2) TPCL Hydro            | 3.020          | 104.639         | 2) MUMBAI Bilateral            | 9.334          | 253.182         |
| <b>TOTAL TPCL</b>        | <b>28.527</b>  | <b>560.322</b>  | Include PX                     | 3.498          | 94.667          |
| 3) REL Thermal           | 12.612         | 264.727         | 3) MUMBAI Schedule             | 9.334          | 258.832         |
| <b>D) STATE</b>          |                |                 | <b>H) ENERGY CATERED (MUs)</b> |                |                 |
| 1) Thermal (A1+C1+C3)    | 95.404         | 2243.974        | 1) MSEDCL                      | 228.231        | 4655.066        |
| 2) Hydro (A2+B3+C2)      | 11.011         | 257.725         | 2) TPCL                        | 32.178         | 701.399         |
| 3) Gas (A3+B1)           | 46.121         | 875.237         | 3) REL                         | 16.700         | 363.646         |
| 4) Wind (B2)             | 4.076          | 285.557         | <b>TOTAL STATE</b>             | <b>277.109</b> | <b>5720.111</b> |
| 5) CPP (B3)              | 11.261         | 126.349         |                                |                |                 |
| <b>TOTAL STATE</b>       | <b>167.873</b> | <b>3788.842</b> |                                |                |                 |

**DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)**

| PARTICULARS                                                                | A. Morning Peak at 11 Hrs | B. Evening Peak at 20 Hrs | C. Night Minimum at 4 Hrs |
|----------------------------------------------------------------------------|---------------------------|---------------------------|---------------------------|
| MSGENCO Thermal                                                            | 2357                      | 2289                      | 2304                      |
| MSGENCO Hydro                                                              | 235                       | 1136                      | 99                        |
| MSGENCO Gas                                                                | 672                       | 656                       | 687                       |
| <b>MSGENCO Total Generation</b>                                            | <b>3264</b>               | <b>4081</b>               | <b>3090</b>               |
| Central Sector Receipt                                                     | 5088                      | 4402                      | 4340                      |
| RGPPL                                                                      | 1292                      | 1286                      | 1180                      |
| WIND                                                                       | 43                        | 373                       | 137                       |
| CPP                                                                        | 474                       | 494                       | 470                       |
| Exchange with TPCL                                                         | -622                      | -303                      | -50                       |
| <b>MSEDCL DEMAND MET</b>                                                   | <b>9539</b>               | <b>10333</b>              | <b>9167</b>               |
| Load Shedding                                                              | 2693                      | 3117                      | 1284                      |
| <b>MSEDCL DEMAND (INCL. LS)</b>                                            | <b>12232</b>              | <b>13450</b>              | <b>10451</b>              |
| TPCL GENERATION                                                            | 1300                      | 1500                      | 847                       |
| REL GENERATION                                                             | 524                       | 526                       | 527                       |
| <b>TPCL+REL DEMAND</b>                                                     | <b>2446</b>               | <b>2329</b>               | <b>1424</b>               |
| <b>STATE DEMAND MET</b>                                                    | <b>11985</b>              | <b>12662</b>              | <b>10591</b>              |
| <b>STATE DEMAND (INCL. LS)</b>                                             | <b>14678</b>              | <b>15779</b>              | <b>11875</b>              |
| Frequency (Hz)                                                             | 50.02                     | 49.64                     | 49.85                     |
| MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)   |                           |                           | 4573 MW AT 09.00 HRs      |
| MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen) |                           |                           | 93.80 MUs.                |

**FREQUENCY PARTICULARS**

| MAXIMUM FREQ.        | MINIMUM FREQ.         | AVERAGE FREQ. | FREQ. BELOW 49Hz |
|----------------------|-----------------------|---------------|------------------|
| 50.4 Hz at 10.04 Hrs | 49.07 Hz at 20.18 Hrs | 49.87         | 0 % of Time(min) |

\* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and TPCL bilateral power.

# State Load Dispatch Center,Airoli (MSETCL)

## Daily and Progressive Generation,Maximum,Minimum,OLC Details for 21/Aug/2010

| Generating unit  | Generation  |               |          |          | OLC (MW) |
|------------------|-------------|---------------|----------|----------|----------|
|                  | Daily (Mus) | Monthly (Mus) | Max (MW) | Min (MW) |          |
| Koradi           |             |               |          |          |          |
| Unit 1           | 0.98        | 27.62         | 66       | 16       | 55       |
| Unit 2           | 1.19        | 17.00         | 69       | 34       | 35       |
| Unit 3           | 0.00        | 18.79         | 0        | 0        | 0        |
| Unit 4           | 0.00        | 5.20          | 0        | 0        | 0        |
| Unit 5           | 3.17        | 51.82         | 145      | 100      | 135      |
| Unit 6           | 2.95        | 48.92         | 148      | 101      | 120      |
| Unit 7           | 0.00        | 39.69         | 0        | 0        | 0        |
|                  | 8.29        | 209.05        |          |          | 345      |
| Bhusawal         |             |               |          |          |          |
| Unit 1           | 0.00        | 2.24          | 0        | 0        | 0        |
| Unit 2           | 3.12        | 45.88         | 160      | 105      | 130      |
| Unit 3           | 0.00        | 0.00          | 0        | 0        | 0        |
|                  | 3.12        | 48.12         |          |          | 130      |
| Parli            |             |               |          |          |          |
| Unit 1           | 0.00        | 0.00          | 0        | 0        | 0        |
| Unit 2           | 0.38        | 3.09          | 21       | 0        | 20       |
| Unit 3           | 2.29        | 56.04         | 146      | 0        | 115      |
| Unit 4           | 0.00        | 0.00          | 0        | 0        | 0        |
| Unit 5           | 0.09        | 39.90         | 52       | 0        | 0        |
| Unit 6           | 1.91        | 63.20         | 169      | 0        | 120      |
| Unit 7           | 1.82        | 42.67         | 142      | 0        | 120      |
|                  | 6.48        | 204.91        |          |          | 375      |
| Chandrapur       |             |               |          |          |          |
| Unit 1           | 1.68        | 57.05         | 100      | 54       | 80       |
| Unit 2           | 1.74        | 56.78         | 111      | 37       | 80       |
| Unit 3           | 0.36        | 5.45          | 64       | 0        | 100      |
| Unit 4           | 0.00        | 50.26         | 0        | 0        | 0        |
| Unit 5           | 5.56        | 103.30        | 315      | 160      | 225      |
| Unit 6           | 3.33        | 85.57         | 185      | 90       | 200      |
| Unit 7           | 5.43        | 122.46        | 252      | 202      | 250      |
|                  | 18.10       | 480.87        |          |          | 935      |
| Paras            |             |               |          |          |          |
| Unit 2           | 0.01        | 1.68          | 10       | 0        | 0        |
| Unit 3           | 0.00        | 54.91         | 0        | 0        | 0        |
| Unit 4           | 2.16        | 36.64         | 153      | 52       | 0        |
|                  | 2.17        | 93.23         |          |          | 0        |
| Khaparkheda      |             |               |          |          |          |
| Unit 1           | 3.75        | 86.40         | 195      | 0        | 180      |
| Unit 2           | 3.36        | 67.78         | 175      | 110      | 150      |
| Unit 3           | 3.79        | 80.16         | 193      | 130      | 180      |
| Unit 4           | 0.00        | 48.44         | 0        | 0        | 0        |
|                  | 10.90       | 282.79        |          |          | 510      |
| Nasik            |             |               |          |          |          |
| Unit 1           | 0.00        | 27.03         | 0        | 0        | 0        |
| Unit 2           | 0.00        | 19.03         | 0        | 0        | 0        |
| Unit 3           | 2.79        | 58.42         | 170      | 60       | 100      |
| Unit 4           | 2.54        | 46.19         | 165      | 52       | 100      |
| Unit 5           | 2.89        | 53.91         | 150      | 96       | 125      |
|                  | 8.22        | 204.58        |          |          | 325      |
| Koyna            |             |               |          |          |          |
| Stage 1-2        | 3.34        | 60.12         | 495      | 35       | 600      |
| Stage 4          | 0.00        | 0.00          | 0        | 0        | 0        |
| Stage 3          | 1.29        | 23.63         | 318      | 0        | 320      |
|                  | 4.64        | 83.75         |          |          | 920      |
| Kovna 12&4 Total | 3.34        | 60.12         |          |          | 600      |

| Generating unit |          | Generation  |               |          |          | OLC (MW) |
|-----------------|----------|-------------|---------------|----------|----------|----------|
|                 |          | Daily (Mus) | Monthly (Mus) | Max (MW) | Min (MW) |          |
| Uran            |          |             |               |          |          |          |
| All Units       |          | 15.98       | 327.28        | 687      | 645      | 640      |
|                 |          | 15.98       | 327.28        |          |          | 640      |
| Hydro           |          |             |               |          |          |          |
| KDPH            |          | 0.00        | 0.00          | 0        | 0        | 0        |
| VTRNA           |          | 0.18        | 1.92          | 61       | 0        | 0        |
| TILLARI         |          | 0.07        | 6.40          | 60       | 0        | 0        |
| BHTGR/VEER      |          | 0.02        | 4.00          | 7        | 0        | 7        |
| BHIRA T.R.      |          | 0.38        | 9.17          | 81       | 0        | 80       |
| RNGR+BHTSA      |          | 0.06        | 0.99          | 3        | 2        | 3        |
| BHANDARDRA      |          | 0.52        | 9.03          | 22       | 21       | 0        |
| ELDARY          |          | 0.00        | 0.00          | 0        | 0        | 0        |
| SMLHY PTN       |          | 0.54        | 12.22         | 29       | 19       | 10       |
| GHATGHAR        |          | 1.54        | 24.70         | 251      | 0        | 0        |
|                 |          | 3.31        | 68.44         |          |          | 100      |
| PENCH (MS)      |          |             |               |          |          |          |
| Pench (MS)      |          | 0.04        | 0.90          | 27       | 0        |          |
|                 |          | 0.04        | 0.90          |          |          |          |
| Wind            |          |             |               |          |          |          |
| MalharPeth      |          | 0.12        | 11.51         |          |          |          |
| Vankuswadi      |          | 0.38        | 23.93         |          |          |          |
| ATIT            |          | 0.06        | 7.14          |          |          |          |
| Kale            |          | 0.16        | 10.09         |          |          |          |
| Satara          |          | 0.61        | 25.62         |          |          |          |
| Shirala         |          | 0.17        | 10.32         |          |          |          |
| K Mahankal      |          | 0.01        | 12.62         |          |          |          |
| Supa            |          | 0.02        | 4.18          |          |          |          |
| Vita            |          | 0.46        | 47.15         |          |          |          |
| Dondaicha       |          | 1.25        | 75.42         |          |          |          |
| Sakri           |          | 0.24        | 14.39         |          |          |          |
| Nandurbar       |          | 0.19        | 9.13          |          |          |          |
| Khandke         |          | 0.12        | 18.71         |          |          |          |
| Khaparale       |          | 0.28        | 15.36         |          |          |          |
|                 |          | 4.08        | 285.56        |          |          |          |
| CPP             |          |             |               |          |          |          |
| TOTAL CPP       |          | 11.26       | 126.35        |          |          |          |
|                 |          | 11.26       | 126.35        |          |          |          |
| Dabhol          |          |             |               |          |          |          |
| RGPPL           |          | 30.14       | 547.95        | 1301     | 1150     | 1250     |
|                 |          | 30.14       | 547.95        |          |          | 1250     |
| Tata            |          |             |               |          |          |          |
| Trombay 4       |          | 0.00        | 4.07          | 0        | 0        | 0        |
| Trombay 5       |          | 9.64        | 110.24        | 480      | 250      | 500      |
| Trombay 6       |          | 6.17        | 152.68        | 450      | 150      | 500      |
| Trombay 7A      |          | 2.88        | 51.74         | 124      | 104      | 120      |
| Trombay 7B      |          | 1.61        | 27.67         | 68       | 60       | 60       |
| Trombay 8       |          | 5.21        | 109.29        | 232      | 195      | 250      |
| TATA Hydro      |          | 3.02        | 104.64        | 321      | 0        | 447      |
|                 |          | 28.53       | 560.32        |          |          | 1877     |
| REL             |          |             |               |          |          |          |
| 1&2             |          | 12.61       | 264.73        | 529      | 523      | 500      |
|                 |          | 12.61       | 264.73        |          |          | 500      |
| Cent Sect       |          |             |               |          |          |          |
| Share           |          |             |               |          |          | 3694     |
|                 |          |             |               |          |          | 3694     |
| MS PG CL        | Thermal  | 57.28       | 1523.56       |          |          | 2620     |
|                 | Thml+Gas | 73.26       | 1850.85       |          |          | 3260     |
|                 | Hydro    | 7.95        | 152.19        |          |          | 1020     |
|                 | Total    | 81.21       | 2003.04       |          |          | 4280     |
| State Total     |          | 167.87      | 3788.84       |          |          | 11601    |

# State Load Dispatch Center,Airoli (MSETCL)

## Hourly Load Data As on 21/Aug/2010

| TIME<br>SR.<br>NO. | MSPGCL GEN. |      |       | TOTAL | RGPPL | WIND | CPP   | CS<br>SHARE | CS<br>RECPT | TPCL<br>SCH. | TPCL<br>NET<br>EXCH. | MSEDCL<br>DEMAND<br>MET | # LOAD<br>SHED. | MSEDCL<br>DEMAND<br>WITH LS | TPCL +<br>REL<br>DEMAND | STATE<br>DEM.<br>WITH LS | FREQ.<br>(Hz) |
|--------------------|-------------|------|-------|-------|-------|------|-------|-------------|-------------|--------------|----------------------|-------------------------|-----------------|-----------------------------|-------------------------|--------------------------|---------------|
|                    | THM         | HY   | GAS   |       |       |      |       |             |             |              |                      |                         |                 |                             |                         |                          |               |
| 1                  | 2473        | 256  | 677   | 3406  | 1251  | 189  | 464   | 2978        | 4108        | -325         | -266                 | 9152                    | 1548            | 10700                       | 1716                    | 12416                    | 49.80         |
| 2                  | 2379        | 84   | 679   | 3142  | 1191  | 170  | 465   | 2884        | 4367        | -234         | -185                 | 9150                    | 1457            | 10607                       | 1522                    | 12129                    | 49.87         |
| 3                  | 2373        | 209  | 680   | 3262  | 1179  | 145  | 480   | 2836        | 4309        | -189         | -142                 | 9233                    | 1330            | 10563                       | 1454                    | 12017                    | 49.81         |
| 4                  | 2304        | 99   | 687   | 3090  | 1180  | 137  | 470   | 2744        | 4340        | -97          | -50                  | 9167                    | 1284            | 10451                       | 1424                    | 11875                    | 49.85         |
| 5                  | 2409        | 198  | 686   | 3293  | 1179  | 123  | 468   | 2744        | 4158        | -97          | 165                  | 9386                    | 1335            | 10721                       | 1439                    | 12160                    | 49.92         |
| 6                  | 2401        | 225  | 675   | 3301  | 1178  | 124  | 471   | 2933        | 4380        | -97          | 163                  | 9617                    | 1610            | 11227                       | 1567                    | 12794                    | 49.92         |
| 7                  | 2407        | 80   | 674   | 3161  | 1283  | 88   | 467   | 3076        | 3984        | -230         | -130                 | 8853                    | 2362            | 11215                       | 1677                    | 12892                    | 49.96         |
| 8                  | 2383        | 85   | 669   | 3137  | 1301  | 61   | 474   | 3099        | 3884        | -254         | -212                 | 8645                    | 2653            | 11298                       | 1725                    | 13023                    | 50.04         |
| 9                  | 2393        | 108  | 666   | 3167  | 1296  | 48   | 456   | 3268        | 4207        | -374         | -347                 | 8827                    | 2814            | 11641                       | 1964                    | 13605                    | 49.85         |
| 10                 | 2424        | 215  | 672   | 3311  | 1294  | 43   | 460   | 3742        | 4689        | -567         | -526                 | 9271                    | 2810            | 12081                       | 2278                    | 14359                    | 49.93         |
| 11                 | 2357        | 235  | 672   | 3264  | 1292  | 43   | 474   | 3955        | 5088        | -661         | -622                 | 9539                    | 2693            | 12232                       | 2446                    | 14678                    | 50.02         |
| 12                 | 2295        | 232  | 651   | 3178  | 1286  | 45   | 473   | 3974        | 5043        | -681         | -636                 | 9389                    | 2542            | 11931                       | 2499                    | 14430                    | 49.90         |
| 13                 | 2291        | 158  | 649   | 3098  | 1286  | 71   | 464   | 3963        | 5645        | -685         | -635                 | 9929                    | 2284            | 12213                       | 2477                    | 14690                    | 49.90         |
| 14                 | 2276        | 239  | 645   | 3160  | 1284  | 68   | 459   | 3870        | 5401        | -638         | -600                 | 9772                    | 2083            | 11855                       | 2383                    | 14238                    | 49.84         |
| 15                 | 2318        | 272  | 648   | 3238  | 1283  | 89   | 468   | 3802        | 4964        | -638         | -592                 | 9450                    | 2374            | 11824                       | 2410                    | 14234                    | 49.84         |
| 16                 | 2370        | 94   | 656   | 3120  | 1286  | 141  | 464   | 3696        | 4466        | -438         | -396                 | 9081                    | 2873            | 11954                       | 2360                    | 14314                    | 50.00         |
| 17                 | 2341        | 89   | 656   | 3086  | 1286  | 230  | 459   | 3706        | 4701        | -538         | -486                 | 9276                    | 2841            | 12117                       | 2303                    | 14420                    | 50.02         |
| 18                 | 2518        | 84   | 654   | 3256  | 1285  | 293  | 466   | 3711        | 4576        | -538         | -486                 | 9390                    | 2904            | 12294                       | 2286                    | 14580                    | 49.94         |
| 19                 | 2714        | 359  | 661   | 3734  | 1284  | 296  | 467   | 3873        | 4585        | -552         | -501                 | 9865                    | 2888            | 12753                       | 2321                    | 15074                    | 49.79         |
| 20                 | 2289        | 1136 | 656   | 4081  | 1286  | 373  | 494   | 3706        | 4402        | -354         | -303                 | 10333                   | 3117            | 13450                       | 2329                    | 15779                    | 49.64         |
| 21                 | 2307        | 1157 | 668   | 4132  | 1288  | 380  | 484   | 3715        | 4585        | -276         | -234                 | 10635                   | 2725            | 13360                       | 2306                    | 15666                    | 49.67         |
| 22                 | 2384        | 1023 | 672   | 4079  | 1291  | 345  | 470   | 3695        | 4423        | -231         | -184                 | 10424                   | 2484            | 12908                       | 2150                    | 15058                    | 49.75         |
| 23                 | 2427        | 940  | 671   | 4038  | 1226  | 272  | 475   | 3488        | 4520        | -271         | -221                 | 10337                   | 1991            | 12328                       | 1973                    | 14301                    | 49.75         |
| 24                 | 2452        | 370  | 652   | 3474  | 1150  | 302  | 469   | 3395        | 4414        | -370         | -316                 | 9510                    | 1952            | 11462                       | 1872                    | 13334                    | 49.83         |
| MUs                | 57.28       | 7.95 | 15.98 | 81.21 | 30.14 | 4.08 | 11.26 | 82.85       | 109.24      | -9.33        | -7.74                | 228.23                  | 54.95           | 283.18                      | 48.88                   | 332.07                   | 49.87         |

NOTE : ALL VALUES IN MW

TPCL Sch./Net Exch is shown with reference to MSETCL System. (+) indicates TPCL to MSETCL and (-) indicates MSETCL to TPCL. TPCL Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL loss for export)  
# Without Applying Load Diversity Factor

**State Load Dispatch Center, Airoli (MSETCL)**  
**Details of Generating Unit Outages/Trippings for 21/Aug/2010**

Position as on 6.30 Hrs of 22/Aug/2010

| Name of Generating Unit | Capacity | Tripped Date | Tripped Time | Sync.Date  | Sync. Time | Reason of Outage                                 | Expected Date |
|-------------------------|----------|--------------|--------------|------------|------------|--------------------------------------------------|---------------|
| <b>PLANNED OUTAGE</b>   |          |              |              |            |            |                                                  |               |
| Cent_Sect KARPR1        | 220      | 01/07/2008   | 00:10        |            | Continued. | COH(En-Mass Coolant Clanel Replacement)          | 30/12/2010    |
| Parli Unit 4            | 210      | 05/07/2010   | 09.27        |            | Continued. | Capital Overhaul                                 | 25/08/2010    |
| Koyna ST-IV 1           | 250      | 16/07/2010   | 00.00        |            | Continued. | Preparing Work for 2nd Lake Tapping.             | 15/11/2010    |
| Koyna ST - IV 3         | 250      | 16/07/2010   | 00.00        |            | Continued. | Preparing Work for 2nd Lake Tapping.             | 15/11/2010    |
| Koyna ST - IV 4         | 250      | 16/07/2010   | 00.00        |            | Continued. | Preparing Work for 2nd Lake Tapping.             | 15/11/2010    |
| Koyna ST-IV 2           | 250      | 16/07/2010   | 00.00        |            | Continued. | Preparing Work for 2nd Lake Tapping.             | 15/11/2010    |
| Bhusawal Unit 3         | 210      | 31/07/2010   | 05.26        |            | Continued. | Annual Overhaul.                                 | 15/09/2010    |
| Cent_Sect KARPR2        | 220      | 14/08/2010   | 14:16        |            | Continued. | Annual Overhaul.                                 | 30/08/2010    |
| Cent_Sect NTPC(V-8)     | 500      | 20/08/2010   | 00.46        |            | Continued. | AOH.                                             | 15/09/2010    |
| <b>FORCED OUTAGE</b>    |          |              |              |            |            |                                                  |               |
| Uran Unit 2             | 60       | 04/10/2008   | 19.00        |            | Continued. | Gas Restriction                                  |               |
| Uran Unit 4             | 60       | 01/04/2009   | 00:00        |            | Continued. | Gas Restriction                                  |               |
| Uran Unit 3             | 60       | 16/06/2010   | 19.52        |            | Continued. | R.M.Work.                                        |               |
| Parli Unit 1            | 30       | 18/06/2010   | 12:11        |            | Continued. | For Scrapping.                                   |               |
| Dabhol 2A               | 230      | 12/07/2010   | 01.55        |            | Continued. | Tripped due to Electrical Fault                  | 23/08/2010    |
| Dabhol 2B               | 230      | 12/07/2010   | 01.55        |            | Continued. | Tripped due to Elect.Fault                       | 23/08/2010    |
| Dabhol 2X               | 290      | 12/07/2010   | 01.55        |            | Continued. | Tripped due to Elect.Fault                       | 23/08/2010    |
| Koradi Unit 4           | 115      | 05/08/2010   | 10.02        |            | Continued. | Condensor tube leakage.                          | 23/08/2010    |
| Bhusawal Unit 1         | 58       | 10/08/2010   | 06.05        |            | Continued. | Wet Coal                                         | 23/08/2010    |
| Koradi Unit 3           | 105      | 15/08/2010   | 14.26        |            | Continued. | Tripped due to LT supply fail                    | 24/08/2010    |
| Khaparkheda Unit 4      | 210      | 16/08/2010   | 02.50        |            | Continued. | Tripped on Generator side Liquid sealing leakage | 24/08/2010    |
| Paras Unit 2            | 55       | 16/08/2010   | 06.40        | 21/08/2010 | 11:39      | Wet Coal Problem                                 |               |
| Koradi Unit 7           | 210      | 17/08/2010   | 02.53        | 22/08/2010 | 18:05      | Tripped P.A.Fan Problem                          | 23/08/2010    |
| Nasik Unit 1            | 125      | 19/08/2010   | 01.25        |            | Continued. | Coal Mill Problem.                               |               |
| Chandrapur Unit 4       | 210      | 19/08/2010   | 15.49        |            | Continued. | Furnace pressure high                            | 23/08/2010    |
| Nasik Unit 2            | 125      | 20/08/2010   | 07.50        |            | Continued. | Steam Temperature high                           | 23/08/2010    |
| Chandrapur Unit 3       | 210      | 20/08/2010   | 16.22        | 21/08/2010 | 01.30      | Main steam temperature low.                      |               |
| Parli Unit 5            | 210      | 20/08/2010   | 21.52        | 21/08/2010 | 04.38      | Drum level low.                                  |               |
| Paras Unit 3            | 250      | 20/08/2010   | 22.17        |            | Continued. | Coal mill tripped.                               | 23/08/2010    |
| Chandrapur Unit 3       | 210      | 21/08/2010   | 07:55        | 21/08/2010 | 21.01      | Trip Exhaust temp. high.                         |               |
| Paras Unit 2            | 55       | 21/08/2010   | 13:17        | 22/08/2010 | 00.55      | Trip no coal flow.                               |               |

**State Load Dispatch Center,Airoli (MSETCL)**  
**Details of Generating Unit Outages/Trippings for 21/Aug/2010**

Position as on 6.30 Hrs of 22/Aug/2010

| Name of Generating Unit | Capacity | Tripped Date | Tripped Time | Sync.Date  | Sync. Time | Reason of Outage             | Expected Date |
|-------------------------|----------|--------------|--------------|------------|------------|------------------------------|---------------|
| Khaparkheda Unit 1      | 210      | 21/08/2010   | 15:54        | 21/08/2010 | 17:77      | Flame failure.               |               |
| Parli Unit 2            | 30       | 21/08/2010   | 19.01        | 22/08/2010 | 22.15      | AC supply failed.            |               |
| Parli Unit 7            | 250      | 21/08/2010   | 19.01        | 22/08/2010 | 05.25      | AC supply failed.            |               |
| Parli Unit 3            | 210      | 21/08/2010   | 19.01        | 22/08/2010 | 07.25      | AC supply failed.            |               |
| Parli Unit 6            | 250      | 21/08/2010   | 19.01        | 22/08/2010 | 06.23      | AC supply failed.            |               |
| Koradi Unit 6           | 210      | 22/08/2010   | 10:41        |            | Continued. | Boiler Tube Leakage          | 24/08/2010    |
| Parli Unit 6            | 250      | 22/08/2010   | 11:15        |            | Continued. | Hydrogen Tube Leakage        | 24/08/2010    |
| Tata Trombay 8          | 250      | 22/08/2010   | 7:58         | 22/08/2010 | 13:11      | Prim Air Header Pressure Low |               |

**State Load Dispatch Center, Airoli (MSETCL)**  
**Details of Line outages/Trippings for 21/Aug/2010**

Position as on 6.30 Hrs of 22/Aug/2010

| Name of Line                                       | Tripped Date | Tripped Time | Synchronised Date                 | Synchronised Time | Reason of Outage                               |
|----------------------------------------------------|--------------|--------------|-----------------------------------|-------------------|------------------------------------------------|
| <b>InterState</b>                                  |              |              |                                   |                   |                                                |
| <b>Voltage Level : 400KV</b>                       |              |              | <b>Outage Type</b> PLANNED OUTAGE |                   |                                                |
| Chandrapur-Bhadravti - I                           | 21/08/2010   | 10.05        | 21/08/2010                        | 10.05             | Relay testing work, on line testing            |
| <b>Voltage Level : 400KV</b>                       |              |              | <b>Outage Type</b> HAND TRIPPED   |                   |                                                |
| Wardha - Akola - II                                | 11/07/2010   | 13.07        |                                   | Continued.        | Over Voltage                                   |
| Kolhapur - Mapusa - II                             | 12/08/2010   | 21.27        |                                   | Continued.        | Over Voltage.                                  |
| Dhule-Khandwa-I                                    | 17/08/2010   | 23.58        | 21/08/2010                        | 08.44             | Over Voltage.                                  |
| Dhule-Sar'Sarovar - I                              | 20/08/2010   | 01.04        | 21/08/2010                        | 08.22             | H/T for O/V.                                   |
| Akola - Aurangabad- II                             | 20/08/2010   | 09.36        | 21/08/2010                        | 10.40             | Changeover.                                    |
| Dhule - S'Sarovar- II                              | 21/08/2010   | 10.54        |                                   | Continued.        | H/T for O/V.                                   |
| <b>Voltage Level : 400KV</b>                       |              |              | <b>Outage Type</b> TRIPPED        |                   |                                                |
| Akola - Aurangabad - I                             | 21/08/2010   | 06.06        |                                   | Continued.        | Tripped on O/V.                                |
| <b>IntraState</b>                                  |              |              |                                   |                   |                                                |
| <b>Voltage Level : 500KV</b>                       |              |              | <b>Outage Type</b> PLANNED OUTAGE |                   |                                                |
| HVDC POLE - II                                     | 18/08/2010   | 08.06        |                                   | Continued.        | Annual Maintenance.                            |
| <b>Voltage Level : 400KV</b>                       |              |              | <b>Outage Type</b> PLANNED OUTAGE |                   |                                                |
| 50 MVAR Reactor of Chandrapur - Parli - II @ Parli | 12/08/2009   | 10.15        |                                   | Continued.        | Bushing Problem.                               |
| Main Bus-I At Stage-4 Koyna.                       | 12/08/2010   | 11.50        |                                   | Continued.        | Routine Maintainance Work.                     |
| Karad-Lamboti                                      | 20/08/2010   | 10.28        |                                   | Continued.        | New ICT Commissioning work.                    |
| Babaleshwar - Bhusawal                             | 21/08/2010   | 10.48        | 21/08/2010                        | 17.59             | Q.M.Work.                                      |
| 400/220 KV,500 MVA ICT-II At Lamboti.              | 21/08/2010   | 12.42        |                                   | Continued.        | Trip NDR.(Kept on humming.)                    |
| New Koyna - Koyna Stage IV - II                    | 22/08/2010   | 07.30        |                                   | Continued.        | Maint.Work                                     |
| <b>Voltage Level : 220KV</b>                       |              |              | <b>Outage Type</b> PLANNED OUTAGE |                   |                                                |
| 220/100KV 125MVA ICT-IV @ Kalwa                    | 02/08/2010   | 10.10        |                                   | Continued.        | Replacement of 125 MVA ICT by 200 MVA New ICT. |
| Uran - JNPT                                        | 20/08/2010   | 12.12        | 22/08/2010                        | 14.22             | R.M.Work.                                      |
| 220/132 KV 100 MVA ICT @ Dondaicha                 | 21/08/2010   | 09.35        | 21/08/2010                        | 17.20             | Replacement of R Ph. CT.                       |
| A'nagar 220/132 KV,100 MVA ICT-II                  | 21/08/2010   | 10.00        | 21/08/2010                        | 18.45             | Q.M.Work.                                      |
| Uran - HOCL                                        | 21/08/2010   | 10.14        | 21/08/2010                        | 19.00             | Q.M.Work.                                      |
| Chandrapur MIDC - Gadchandur                       | 21/08/2010   | 11.15        |                                   | Continued.        | Retrofitting work.                             |
| Lote - Dasturi                                     | 21/08/2010   | 11.55        | 21/08/2010                        | 22.55             | Relay testing work.                            |
| Dhamangaon - Badnera                               | 21/08/2010   | 12.35        | 22/08/2010                        | 18.00             | Breaker O/H wok.Ckt is on TBC.                 |
| BBLSR-Chalisgaon                                   | 21/08/2010   | 13.14        | 21/08/2010                        | 15.42             | Q.M.Work.                                      |
| Borivali-Tarapur                                   | 22/08/2010   | 09.40        | 22/08/2010                        | 18.10             | Interconnection of Main Bus                    |
| Borivali-Mulund                                    | 22/08/2010   | 10.10        | 22/08/2010                        | 18.26             | Interconnection of Main Bus                    |
| Aarey-Versova                                      | 22/08/2010   | 11.00        | 22/08/2010                        | 13.48             | Safety purpose work on 33 KV Line              |
| <b>Voltage Level : 400KV</b>                       |              |              | <b>Outage Type</b> FORCED OUTAGE  |                   |                                                |
| Main Bus - I @ Lamboti.                            | 21/08/2010   | 13.40        | 21/08/2010                        | 14.40             | To attend isolator problem.                    |
| Main Bus - II @ Lamboti                            | 21/08/2010   | 16.53        | 21/08/2010                        | 18.32             | Stability test of Bus I.                       |
| Kalwa-Padgha-II                                    | 22/08/2010   | 08.25        | 22/08/2010                        | 11.43             | To attend Y phase Wave Trap Hot                |

**State Load Dispatch Center, Airoli (MSETCL)**  
**Details of Line outages/Trippings for 21/Aug/2010**

Position as on 6.30 Hrs of 22/Aug/2010

| Name of Line                                     | Tripped Date | Tripped Time | Synchronise d Date               | Synchronise d Time | Reason of Outage                              |
|--------------------------------------------------|--------------|--------------|----------------------------------|--------------------|-----------------------------------------------|
|                                                  |              |              |                                  |                    | Spot                                          |
| <b>Voltage Level : 220KV</b>                     |              |              | <b>Outage Type FORCED OUTAGE</b> |                    |                                               |
| Mulund-Trombay                                   | 21/08/2010   | 13.11        | 21/08/2010                       | 15.52              | Emergency outage.                             |
| Bus Section -III @ Trombay                       | 21/08/2010   | 13.13        | 21/08/2010                       | 15.11              | R Ph.isolator red hot work.                   |
| Main Bus At 220 Mhalarpeth                       | 21/08/2010   | 14.35        | 21/08/2010                       | 17.50              | For connection 220 KV M.B.jumper.             |
| Khaparkheda - Koradi                             | 22/08/2010   | 09.29        | 22/08/2010                       | 13.18              | To attend Red Hot Spot                        |
| <b>Voltage Level : 400KV</b>                     |              |              | <b>Outage Type HAND TRIPPED</b>  |                    |                                               |
| 80 MVAR Line Reactor of Lonikand - Karad @ Karad | 04/03/2010   | 11.58        |                                  | Continued.         | Red Hot Spot Observed on Earthing.            |
| Bhusawal- Aurangabad                             | 31/07/2010   | 23.25        | 21/08/2010                       | 09.22              | Hand Tripped.                                 |
| Lonikand- Koyna Stage IV                         | 19/08/2010   | 18.11        |                                  | Continued.         | H/T for O/V.                                  |
| Dhule - Babhaleshwar - I                         | 20/08/2010   | 23.52        | 21/08/2010                       | 08.12              | H/T for O/V.                                  |
| Bhusawal- Aurangabad                             | 21/08/2010   | 17.58        |                                  | Continued.         | H/T for taken Bhusawal-BBLSR line in service. |
| <b>Voltage Level : 400KV</b>                     |              |              | <b>Outage Type TRIPPED</b>       |                    |                                               |
| Chandrapur - Khaparkheda                         | 24/07/2010   | 19.54        |                                  | Continued.         | Over Voltage.                                 |
| Karad - Kolhapur - I                             | 27/07/2010   | 18.42        |                                  | Continued.         | Over Voltage.                                 |
| 400/11.5/6.6 KV 70 MVA Station T/F @ Khaparkheda | 20/08/2010   | 19.30        | 21/08/2010                       | 21.13              | Master trip relay operated.                   |
| Akola-Koradi                                     | 21/08/2010   | 06.06        | 21/08/2010                       | 08.37              | Tripped on O/V.                               |
| <b>Voltage Level : 220KV</b>                     |              |              | <b>Outage Type TRIPPED</b>       |                    |                                               |
| 220/132 KV 200 MVA ICT - II @ Theur              | 01/06/2010   | 03.57        |                                  | Continued.         | Oil Tank Burst.                               |
| 220/100 KV 200 MVA ICT-II @ Apta                 | 15/08/2010   | 21.10        |                                  | Continued.         | Tripped on Diff.prot.CTR system operated      |
| Girawli-Parli-III                                | 21/08/2010   | 19.01        | 21/08/2010                       | 20.27              | Bus bar prot. operated.                       |
| Girawli - Parly - IV                             | 21/08/2010   | 19.01        | 21/08/2010                       | 20.20              | Bus bar prot. operated.                       |
| Parli-Usmanabad                                  | 21/08/2010   | 19.01        | 22/08/2010                       | 10.24              | Bus bar prot. operated.                       |
| Parly - New Parly TPS - II                       | 21/08/2010   | 19.01        | 21/08/2010                       | 20.45              | Bus bar prot. operaatd.                       |
| Parly - New Parly TPS - I                        | 21/08/2010   | 19.01        | 21/08/2010                       | 20.40              | Bus bar prot. operated.                       |
| Parly - Harangool - I                            | 21/08/2010   | 19.01        | 21/08/2010                       | 21.00              | Bus bar prot. operated.                       |
| Parly - Harangool - II                           | 21/08/2010   | 19.01        | 21/08/2010                       | 22.30              | Bus bar prot. operated.                       |
| 220/132 KV 100 MVA ICT @ Parli - I               | 21/08/2010   | 19.01        | 21/08/2010                       | 21.52              | Bus bar prot. operated.                       |
| Main Bus-I at Parli 1                            | 21/08/2010   | 19.01        | 21/08/2010                       | 20.27              | Bus bar prot. operated.                       |
| Main Bus-II at parli 1                           | 21/08/2010   | 19.01        | 21/08/2010                       | 20.20              | Bus bar prot. operated.                       |
| Girawli - New Parly TPS                          | 21/08/2010   | 19.01        | 21/08/2010                       | 20.47              | Bus bar pot.operated.                         |
| New Parli-Nanded                                 | 21/08/2010   | 19.01        | 21/08/2010                       | 20.14              | Bus bar prot.operated.                        |
| New Parly - Beed - I                             | 21/08/2010   | 19.01        | 21/08/2010                       | 19.45              | Bus bar prot. operated.                       |
| New Parli -Beed - II                             | 21/08/2010   | 19.01        | 21/08/2010                       | 19.45              | Bus bar prot. operated.                       |
| Pusad-Nanded                                     | 21/08/2010   | 19.01        | 21/08/2010                       | 19.34              | Bus bar prot. operated.                       |
| Bus Coupler @ Parly-I                            | 21/08/2010   | 19.30        | 21/08/2010                       | 20.50              | Bus bar prot. operated.                       |
| Dondaicha - Jamde - I                            | 22/08/2010   | 22.24        |                                  | Continued.         | Distance Protection                           |
| Dondaicha - Jamde - II.                          | 22/08/2010   | 22.24        |                                  | Continued.         | Distance Protection                           |

**State Load Dispatch Center,Airoli (MSETCL)**  
**Details of Line outages/Trippings for 21/Aug/2010**

Position as on 6.30 Hrs of 22/Aug/2010

| Name of Line                 | Tripped Date | Tripped Time | Synchronise d Date         | Synchronise d Time | Reason of Outage    |
|------------------------------|--------------|--------------|----------------------------|--------------------|---------------------|
| <b>Voltage Level : 132KV</b> |              |              | <b>Outage Type</b> TRIPPED |                    |                     |
| Girwali - Latur MIDC         | 22/08/2010   | 07.53        | 22/08/2010                 | 08.27              | Distance protection |

# State Load Dispatch Center,Airoli (MSETCL)

## Details of On Line Capacity for 22/Aug/2010

| Generating unit    | Derated Capacity (MW) | OLC (MW)    |
|--------------------|-----------------------|-------------|
| <b>Koradi</b>      |                       |             |
| Unit 1             | 105                   | 40          |
| Unit 2             | 105                   | 60          |
| Unit 3             | 105                   | 0           |
| Unit 4             | 105                   | 0           |
| Unit 5             | 200                   | 125         |
| Unit 6             | 210                   | 110         |
| Unit 7             | 210                   | 0           |
|                    | <b>1040</b>           | <b>335</b>  |
| <b>Bhusawal</b>    |                       |             |
| Unit 1             | 58                    | 0           |
| Unit 2             | 210                   | 130         |
| Unit 3             | 210                   | 0           |
|                    | <b>478</b>            | <b>130</b>  |
| <b>Parli</b>       |                       |             |
| Unit 1             | 30                    | 0           |
| Unit 2             | 30                    | 0           |
| Unit 3             | 210                   | 0           |
| Unit 4             | 210                   | 0           |
| Unit 5             | 210                   | 0           |
| Unit 6             | 250                   | 0           |
| Unit 7             | 250                   | 20          |
|                    | <b>1190</b>           | <b>20</b>   |
| <b>Chandrapur</b>  |                       |             |
| Unit 1             | 210                   | 100         |
| Unit 2             | 210                   | 100         |
| Unit 3             | 210                   | 100         |
| Unit 4             | 210                   | 0           |
| Unit 5             | 500                   | 300         |
| Unit 6             | 500                   | 200         |
| Unit 7             | 500                   | 225         |
|                    | <b>2340</b>           | <b>1025</b> |
| <b>Paras</b>       |                       |             |
| Unit 2             | 55                    | 15          |
| Unit 3             | 250                   | 0           |
| Unit 4             | 250                   | 0           |
|                    | <b>555</b>            | <b>15</b>   |
| <b>Khaparkheda</b> |                       |             |
| Unit 1             | 210                   | 190         |
| Unit 2             | 210                   | 175         |
| Unit 3             | 210                   | 180         |
| Unit 4             | 210                   | 0           |
|                    | <b>840</b>            | <b>545</b>  |
| <b>Nasik</b>       |                       |             |
| Unit 1             | 120                   | 0           |
| Unit 2             | 120                   | 0           |
| Unit 3             | 210                   | 140         |
| Unit 4             | 210                   | 140         |
| Unit 5             | 210                   | 140         |
|                    | <b>870</b>            | <b>420</b>  |
| <b>Koyna</b>       |                       |             |
| Stage 1-2          | 600                   | 600         |
| Stage 4            | 1000                  | 0           |
| Stage 3            | 320                   | 320         |
|                    | <b>1920</b>           | <b>920</b>  |
| <b>Uran</b>        |                       |             |
| All Units          | 852                   | 640         |

| Generating unit   | Derated Capacity (MW) | OLC (MW)    |
|-------------------|-----------------------|-------------|
|                   | <b>852</b>            | <b>640</b>  |
| <b>Hydro</b>      |                       |             |
| KDPH              | 40                    | 0           |
| VTRNA             | 60                    | 61          |
| TILLARI           | 60                    | 60          |
| BHTGR/VEER        | 21                    | 7           |
| BHIRA T.R.        | 80                    | 80          |
| RNGR+BHTSA        | 20                    | 3           |
| BHANDARDRA        | 45                    | 22          |
| ELDARY            | 23                    | 0           |
| SMLHY PTN         | 12                    | 9           |
| GHATGHAR          | 250                   | 0           |
|                   | <b>611</b>            | <b>242</b>  |
| <b>PENCH (MS)</b> |                       |             |
| Pench (MS)        | 53                    |             |
|                   | <b>53</b>             |             |
| <b>Wind</b>       |                       |             |
| MalharPeth        | 0                     |             |
| Vankuswadi        | 0                     |             |
| ATIT              | 0                     |             |
| Kale              | 0                     |             |
| Satara            | 0                     |             |
| Shirala           | 0                     |             |
| K Mahankal        | 0                     |             |
| Supa              | 0                     |             |
| Vita              | 0                     |             |
| Dondaicha         | 0                     |             |
| Sakri             | 0                     |             |
| Nandurbar         | 0                     |             |
| Khandke           | 0                     |             |
| Khaparale         | 0                     |             |
|                   | <b>0</b>              |             |
| <b>CPP</b>        |                       |             |
| TOTAL CPP         | 0                     |             |
|                   | <b>0</b>              |             |
| <b>Dabhol</b>     |                       |             |
| RGPPL             | 960                   | 1250        |
|                   | <b>960</b>            | <b>1250</b> |
| <b>Tata</b>       |                       |             |
| Trombay 4         | 150                   | 0           |
| Trombay 5         | 500                   | 500         |
| Trombay 6         | 500                   | 500         |
| Trombay 7A        | 120                   | 120         |
| Trombay 7B        | 60                    | 60          |
| Trombay 8         | 250                   | 250         |
| TATA Hydro        | 444                   | 447         |
|                   | <b>2024</b>           | <b>1877</b> |
| <b>REL</b>        |                       |             |
| 1&2               | 500                   | 500         |
|                   | <b>500</b>            | <b>500</b>  |
| <b>Cent Sect</b>  |                       |             |
| Share             | 3143                  | 3638        |
|                   | <b>3143</b>           | <b>3638</b> |