



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

# **State Load Dispatch Center, Airoli**

**Daily system Report**

**for**

**28/Sep/2009**

**State Load Dispatch Center, Airoli (MSETCL)**  
**Daily system Report for 28/Sep/2009 MONDAY**

| I GENERATION (MUs)       |                |                 | II EXCHANGES (MUs)             |                |                 |
|--------------------------|----------------|-----------------|--------------------------------|----------------|-----------------|
| A) MSGENCO               | Daily          | Monthly         | E) Central Sector              | Daily          | Monthly         |
| 1) Thermal               | 117.246        | 3054.117        | 1) Madhya Pradesh              | 50.413         | 1494.931        |
| 2) Hydro                 | 1.764          | 225.698         | 2) Gujrat                      | 13.773         | 539.910         |
| 3) Gas                   | 14.613         | 410.341         | 3) Goa                         | -5.531         | -162.091        |
| <b>Total MSGENCO</b>     | <b>133.623</b> | <b>3690.156</b> | 4) TAPS 1&2 (Inj.)             | 7.224          | 202.890         |
| <b>B) OTHERS</b>         |                |                 | 5) Pench (Excess)              | -0.502         | -11.773         |
| 1) RGPPL Gas             | 22.970         | 632.321         | <b># Total Cent. Sector</b>    | <b>65.377</b>  | <b>2063.867</b> |
| 2) Wind Generation       | 10.093         | 201.934         | <b>F) Other Exchanges</b>      |                |                 |
| 3) PENCH (MS)            | 0.502          | 19.268          | 1) With TPCL                   | -2.951         | -182.867        |
| <b>C) TPCL &amp; REL</b> |                |                 | <b>G) Bilateral Power *</b>    |                |                 |
| 1) TPCL Thermal          | 27.940         | 790.100         | 1) MSEDCL Bilateral            | 4.985          | 148.879         |
| 2) TPCL Hydro            | 1.803          | 87.653          | Include PX                     | 0.000          | 2.941           |
| <b>TOTAL TPCL</b>        | <b>29.743</b>  | <b>877.753</b>  | 2) MUMBAI Bilateral            | 3.998          | 200.796         |
| 3) REL Thermal           | 12.550         | 352.883         | Include PX                     | 0.314          | 14.939          |
| <b>D) STATE</b>          |                |                 | 3) MUMBAI Schedule             | 3.998          | 205.171         |
| 1) Thermal (A1+C1+C3)    | 157.736        | 4197.100        | <b>H) ENERGY CATERED (MUs)</b> |                |                 |
| 2) Hydro (A2+B3+C2)      | 4.069          | 332.619         | 1) MSEDCL                      | 229.614        | 6424.679        |
| 3) Gas (A3+B1)           | 37.583         | 1042.662        | 2) TPCL                        | 29.602         | 932.171         |
| 4) Wind (B2)             | 10.093         | 201.934         | 3) REL                         | 15.639         | 481.246         |
| <b>TOTAL STATE</b>       | <b>209.481</b> | <b>5774.315</b> | <b>TOTAL STATE</b>             | <b>274.855</b> | <b>7838.096</b> |

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

| PARTICULARS                                                                | A. Morning Peak at 8 Hrs | B. Evening Peak at 20 Hrs | C. Night Minimum at 5 Hrs |
|----------------------------------------------------------------------------|--------------------------|---------------------------|---------------------------|
| MSGENCO Thermal                                                            | 5015                     | 4926                      | 4861                      |
| MSGENCO Hydro                                                              | 40                       | 132                       | 40                        |
| MSGENCO Gas                                                                | 642                      | 629                       | 564                       |
| <b>MSGENCO Total Generation</b>                                            | <b>5697</b>              | <b>5687</b>               | <b>5465</b>               |
| Central Sector Receipt                                                     | 2727                     | 2999                      | 2443                      |
| RGPPL                                                                      | 959                      | 956                       | 956                       |
| WIND                                                                       | 454                      | 386                       | 504                       |
| Exchange with TPCL                                                         | -15                      | -134                      | -2                        |
| <b>MSEDCL DEMAND MET</b>                                                   | <b>9822</b>              | <b>9947</b>               | <b>9376</b>               |
| Load Shedding                                                              | 1197                     | 1590                      | 937                       |
| <b>MSEDCL DEMAND (INCL. LS)</b>                                            | <b>11019</b>             | <b>11537</b>              | <b>10313</b>              |
| TPCL GENERATION                                                            | 1133                     | 1515                      | 1063                      |
| REL GENERATION                                                             | 523                      | 522                       | 523                       |
| <b>TPCL+REL DEMAND</b>                                                     | <b>1671</b>              | <b>2171</b>               | <b>1588</b>               |
| <b>STATE DEMAND MET</b>                                                    | <b>11493</b>             | <b>12118</b>              | <b>10964</b>              |
| <b>STATE DEMAND (INCL. LS)</b>                                             | <b>12690</b>             | <b>13708</b>              | <b>11901</b>              |
| Frequency (Hz)                                                             | 49.82                    | 50.04                     | 49.84                     |
| MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)   |                          |                           | 1420 MW at 07.00Hrs       |
| MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen) |                          |                           | 13.85 Mus                 |

**FREQUENCY PARTICULARS**

| MAXIMUM FREQ.         | MINIMUM FREQ.         | AVERAGE FREQ. | FREQ. BELOW 49Hz |
|-----------------------|-----------------------|---------------|------------------|
| 50.47 Hz at 16.07 Hrs | 48.99 Hz at 00.03 Hrs | 49.82         | .12 % of Time    |

\* 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 28/Sep/2009

| Generating unit  | Generation  |               |          |          | OLC (MW) |
|------------------|-------------|---------------|----------|----------|----------|
|                  | Daily (Mus) | Monthly (Mus) | Max (MW) | Min (MW) |          |
| Koradi           |             |               |          |          |          |
| Unit 1           | 1.43        | 9.86          | 79       | 43       | 70       |
| Unit 2           | 1.41        | 37.70         | 71       | 28       | 50       |
| Unit 3           | 1.57        | 35.95         | 80       | 42       | 65       |
| Unit 4           | 1.35        | 40.12         | 78       | 42       | 50       |
| Unit 5           | 3.14        | 62.19         | 139      | 122      | 135      |
| Unit 6           | 3.75        | 87.27         | 168      | 145      | 150      |
| Unit 7           | 4.22        | 74.49         | 192      | 159      | 150      |
|                  | 16.87       | 347.57        |          |          | 670      |
| Bhusawal         |             |               |          |          |          |
| Unit 1           | 0.53        | 27.81         | 50       | 0        | 50       |
| Unit 2           | 0.00        | 5.17          | 0        | 0        | 0        |
| Unit 3           | 4.04        | 117.04        | 195      | 95       | 190      |
|                  | 4.57        | 150.02        |          |          | 240      |
| Parli            |             |               |          |          |          |
| Unit 1           | 0.59        | 16.19         | 25       | 22       | 20       |
| Unit 2           | 0.56        | 14.72         | 24       | 22       | 20       |
| Unit 3           | 3.88        | 105.28        | 167      | 151      | 170      |
| Unit 4           | 0.00        | 81.26         | 0        | 0        | 0        |
| Unit 5           | 4.13        | 110.26        | 180      | 157      | 170      |
| Unit 6           | 5.56        | 126.80        | 241      | 218      | 220      |
|                  | 14.70       | 454.50        |          |          | 600      |
| Chandrapur       |             |               |          |          |          |
| Unit 1           | 3.79        | 101.22        | 165      | 150      | 170      |
| Unit 2           | 0.00        | 13.65         | 0        | 0        | 0        |
| Unit 3           | 3.72        | 95.81         | 177      | 132      | 175      |
| Unit 4           | 4.58        | 124.45        | 196      | 184      | 200      |
| Unit 5           | 9.46        | 242.35        | 414      | 352      | 450      |
| Unit 6           | 9.30        | 231.05        | 425      | 355      | 425      |
| Unit 7           | 9.64        | 238.14        | 422      | 393      | 425      |
|                  | 40.50       | 1046.65       |          |          | 1845     |
| Paras            |             |               |          |          |          |
| Unit 2           | 0.48        | 12.30         | 21       | 20       | 40       |
| Unit 3           | 5.10        | 120.80        | 225      | 199      | 200      |
|                  | 5.58        | 133.11        |          |          | 240      |
| Khaparkheda      |             |               |          |          |          |
| Unit 1           | 4.50        | 129.08        | 201      | 168      | 180      |
| Unit 2           | 4.45        | 122.66        | 193      | 176      | 180      |
| Unit 3           | 3.81        | 120.05        | 198      | 128      | 160      |
| Unit 4           | 4.98        | 136.04        | 212      | 197      | 210      |
|                  | 17.74       | 507.83        |          |          | 730      |
| Nasik            |             |               |          |          |          |
| Unit 1           | 1.95        | 3.54          | 88       | 60       | 90       |
| Unit 2           | 1.84        | 56.21         | 90       | 41       | 90       |
| Unit 3           | 4.64        | 114.30        | 208      | 153      | 195      |
| Unit 4           | 4.48        | 126.62        | 189      | 185      | 200      |
| Unit 5           | 4.37        | 113.76        | 191      | 155      | 190      |
|                  | 17.28       | 414.43        |          |          | 765      |
| Uran             |             |               |          |          |          |
| All Units        | 14.61       | 410.34        | 642      | 558      | 550      |
|                  | 14.61       | 410.34        |          |          | 550      |
| Koyna            |             |               |          |          |          |
| Stage 1-2        | 0.98        | 52.62         | 60       | 30       | 600      |
| Stage 4          | 0.09        | 91.87         | 86       | 0        | 250      |
| Koyna 12&4 Total | 1.07        | 144.50        |          |          | 850      |

| Generating unit   | Generation   |               |          |          | OLC (MW)    |
|-------------------|--------------|---------------|----------|----------|-------------|
|                   | Daily (Mus)  | Monthly (Mus) | Max (MW) | Min (MW) |             |
| Stage 3           | 0.04         | 38.75         | 44       | 0        | 320         |
|                   | <b>1.12</b>  | <b>183.24</b> |          |          | <b>1170</b> |
| <b>Hydro</b>      |              |               |          |          |             |
| KDPH              | 0.00         | 0.00          | 0        | 0        | 0           |
| VTRNA             | 0.00         | 0.74          | 0        | 0        | 0           |
| TILLARI           | 0.38         | 11.43         | 60       | 0        | 60          |
| BHTGR/VEER        | 0.00         | 8.60          | 0        | 0        | 16          |
| BHIRA T.R.        | 0.21         | 9.49          | 42       | 0        | 40          |
| RNGR+BHTSA        | 0.00         | 3.68          | 0        | 0        | 2           |
| BHANDARDRA        | 0.00         | 0.35          | 0        | 0        | 0           |
| ELDARY            | 0.00         | 0.00          | 0        | 0        | 0           |
| PAITHAN           | 0.06         | 1.24          | 10       | 0        | 0           |
| GHATGHAR          | 0.00         | 6.91          | 0        | 0        | 0           |
|                   | <b>0.65</b>  | <b>42.46</b>  |          |          | <b>118</b>  |
| <b>PENCH (MS)</b> |              |               |          |          |             |
| Pench (MS)        | 0.50         | 19.27         | 53       | 0        |             |
|                   | <b>0.50</b>  | <b>19.27</b>  |          |          |             |
| <b>Wind</b>       |              |               |          |          |             |
| MalharPeth        | 0.14         | 6.54          |          |          |             |
| Vankuswadi        | 0.35         | 14.96         |          |          |             |
| ATIT              | 0.53         | 3.70          |          |          |             |
| Kale              | 0.03         | 1.45          |          |          |             |
| Satara            | 0.13         | 6.93          |          |          |             |
| Shirala           | 0.16         | 4.73          |          |          |             |
| K Mahankal        | 0.01         | 7.47          |          |          |             |
| Supa              | 0.21         | 2.87          |          |          |             |
| Vita              | 0.50         | 27.30         |          |          |             |
| Dondaicha         | 5.24         | 82.06         |          |          |             |
| Sakri             | 0.84         | 13.48         |          |          |             |
| Nandurbar         | 0.64         | 11.49         |          |          |             |
| Khadakale         | 0.73         | 9.40          |          |          |             |
| Khaparale         | 0.60         | 9.56          |          |          |             |
|                   | <b>10.09</b> | <b>201.93</b> |          |          |             |
| <b>Dabhol</b>     |              |               |          |          |             |
| RGPP L II         | 22.97        | 632.32        | 959      | 954      | 900         |
| RGPP L III        |              | 0.00          |          |          |             |
|                   | <b>22.97</b> | <b>632.32</b> |          |          | <b>900</b>  |
| <b>Tata</b>       |              |               |          |          |             |
| Trombay 4         | 0.00         | 0.00          | 0        | 0        | 0           |
| Trombay 5         | 11.98        | 314.69        | 505      | 460      | 500         |
| Trombay 6         | 11.59        | 302.42        | 510      | 370      | 500         |
| Trombay 7A        | 2.78         | 64.93         | 121      | 98       | 120         |
| Trombay 7B        | 1.59         | 25.28         | 68       | 60       | 60          |
| Trombay 8         | 0.00         | 82.79         | 0        | 0        | 0           |
| TATA Hydro        | 1.80         | 87.65         | 339      | 0        | 447         |
|                   | <b>29.74</b> | <b>877.75</b> |          |          | <b>1627</b> |
| <b>REL</b>        |              |               |          |          |             |
| 1&2               | 12.55        | 352.88        | 526      | 520      | 500         |
|                   | <b>12.55</b> | <b>352.88</b> |          |          | <b>500</b>  |
| <b>Cent Sect</b>  |              |               |          |          |             |
| Share             |              |               |          |          | 3088        |
|                   |              |               |          |          | <b>3088</b> |

|                    |          |               |                |  |              |
|--------------------|----------|---------------|----------------|--|--------------|
| MS<br>PG<br>CL     | Thermal  | 117.25        | 3054.12        |  | 5090         |
|                    | Thml+Gas | 131.86        | 3464.46        |  | 5640         |
|                    | Hydro    | 1.76          | 225.70         |  | 1288         |
|                    | Total    | 133.62        | 3690.16        |  | 6928         |
| <b>State Total</b> |          | <b>209.48</b> | <b>5774.32</b> |  | <b>13043</b> |

# State Load Dispatch Center,Airoli (MSETCL)

## Hourly Load Data As on 28/Sep/2009

| TIME<br>SR.<br>NO. | MSPGCL GEN. |      |       | TOTAL  | RGPPL | WIND  | CS<br>SHARE | CS<br>RECPT | MUMBAI |       | MSEDCL<br>DEMAND<br>MET | # LOAD<br>SHED. | MSEDCL<br>DEMAND<br>WITH LS | MUMBAI<br>DEMAND | STATE<br>DEM.<br>WITH LS | FREQ.<br>(Hz) |
|--------------------|-------------|------|-------|--------|-------|-------|-------------|-------------|--------|-------|-------------------------|-----------------|-----------------------------|------------------|--------------------------|---------------|
|                    | THM         | HY   | GAS   |        |       |       |             |             | SCH.   | EXCH. |                         |                 |                             |                  |                          |               |
| 1                  | 4763        | 160  | 576   | 5499   | 954   | 338   | 3179        | 2868        | -297   | -239  | 9473                    | 1421            | 10894                       | 1953             | 12847                    | 49.47         |
| 2                  | 4893        | 35   | 564   | 5492   | 956   | 490   | 2994        | 2534        | -136   | -78   | 9447                    | 1411            | 10858                       | 1783             | 12641                    | 49.65         |
| 3                  | 4879        | 40   | 567   | 5486   | 955   | 490   | 2937        | 2678        | -60    | -9    | 9653                    | 1080            | 10733                       | 1693             | 12426                    | 49.59         |
| 4                  | 4876        | 35   | 568   | 5479   | 959   | 480   | 2949        | 2425        | -60    | -11   | 9344                    | 957             | 10301                       | 1627             | 11928                    | 49.94         |
| 5                  | 4861        | 40   | 564   | 5465   | 956   | 504   | 2860        | 2443        | -60    | -2    | 9376                    | 937             | 10313                       | 1588             | 11901                    | 49.84         |
| 6                  | 4825        | 60   | 558   | 5443   | 957   | 519   | 2830        | 2855        | -60    | -9    | 9775                    | 993             | 10768                       | 1644             | 12412                    | 49.61         |
| 7                  | 4904        | 55   | 586   | 5545   | 958   | 450   | 2605        | 2697        | -59    | -12   | 9662                    | 1309            | 10971                       | 1671             | 12642                    | 49.83         |
| 8                  | 5015        | 40   | 642   | 5697   | 959   | 454   | 2622        | 2727        | -59    | -15   | 9822                    | 1197            | 11019                       | 1671             | 12690                    | 49.82         |
| 9                  | 4990        | 67   | 638   | 5695   | 958   | 329   | 2852        | 2933        | -59    | -7    | 9908                    | 974             | 10882                       | 1744             | 12626                    | 49.78         |
| 10                 | 4960        | 139  | 641   | 5740   | 957   | 259   | 2957        | 2880        | -233   | -175  | 9661                    | 967             | 10628                       | 1858             | 12486                    | 50.07         |
| 11                 | 4932        | 152  | 621   | 5705   | 957   | 180   | 2913        | 2843        | -242   | -195  | 9490                    | 968             | 10458                       | 1938             | 12396                    | 49.74         |
| 12                 | 4955        | 147  | 621   | 5723   | 958   | 230   | 2649        | 2696        | -242   | -187  | 9420                    | 1126            | 10546                       | 1988             | 12534                    | 49.74         |
| 13                 | 4861        | 48   | 616   | 5525   | 959   | 321   | 2642        | 2803        | -243   | -197  | 9411                    | 1203            | 10614                       | 1993             | 12607                    | 49.62         |
| 14                 | 4798        | 45   | 616   | 5459   | 959   | 341   | 2666        | 2606        | -243   | -196  | 9169                    | 1487            | 10656                       | 1938             | 12594                    | 49.77         |
| 15                 | 4813        | 40   | 620   | 5473   | 958   | 447   | 2705        | 2462        | -243   | -207  | 9133                    | 1527            | 10660                       | 1912             | 12572                    | 49.97         |
| 16                 | 4767        | 45   | 624   | 5436   | 956   | 425   | 2704        | 2386        | -243   | -204  | 8999                    | 683             | 9682                        | 1874             | 11556                    | 50.10         |
| 17                 | 4779        | 35   | 623   | 5437   | 957   | 410   | 2721        | 2810        | -248   | -213  | 9401                    | 119             | 9520                        | 1865             | 11385                    | 50.03         |
| 18                 | 4871        | 60   | 621   | 5552   | 956   | 444   | 2678        | 2805        | -230   | -185  | 9572                    | 119             | 9691                        | 1814             | 11505                    | 49.93         |
| 19                 | 4901        | 105  | 624   | 5630   | 957   | 439   | 2878        | 3149        | -162   | -135  | 10062                   | 1055            | 11117                       | 2003             | 13120                    | 49.93         |
| 20                 | 4926        | 132  | 629   | 5687   | 956   | 386   | 3135        | 2999        | -162   | -134  | 9947                    | 1590            | 11537                       | 2171             | 13708                    | 50.04         |
| 21                 | 4938        | 140  | 630   | 5708   | 956   | 436   | 3160        | 2918        | -162   | -134  | 9937                    | 1496            | 11433                       | 2198             | 13631                    | 50.02         |
| 22                 | 4951        | 64   | 626   | 5641   | 956   | 633   | 3161        | 2647        | -162   | -133  | 9797                    | 789             | 10586                       | 2133             | 12719                    | 49.85         |
| 23                 | 4925        | 40   | 620   | 5585   | 958   | 517   | 3179        | 2752        | -179   | -147  | 9718                    | 0               | 9718                        | 2122             | 11840                    | 49.65         |
| 24                 | 4863        | 40   | 618   | 5521   | 958   | 571   | 3154        | 2452        | -160   | -127  | 9428                    | 0               | 9428                        | 2063             | 11491                    | 49.62         |
| MUs                | 117.25      | 1.76 | 14.61 | 133.62 | 22.97 | 10.09 | 69.13       | 65.37       | -4.00  | -2.95 | 229.60                  | 23.41           | 253.01                      | 45.24            | 298.26                   | 49.82         |

NOTE : ALL VALUES IN MW

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

**State Load Dispatch Center,Airoli (MSETCL)**  
**Details of Generating Unit Outages/Trippings for 28/Sep/2009**

Position as on 6.30 Hrs of 29/Sep/2009

| 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) | 31/03/2010    |
| Bhusawal Unit 2         | 210      | 02/09/2009   | 10.08        |            | Continued. | Annual Overhaul.                        | 07/10/2009    |
| Chandrapur Unit 2       | 210      | 05/09/2009   | 23:46        |            | Continued. | AOH.                                    | 05/10/2009    |
| Cent_Sect Gandhar U3    | 144      | 14/09/2009   | 09.30        |            | Continued. | A.O.H.                                  | 30/09/2009    |
| Cent_Sect Gandhar U4    | 224      | 17/09/2009   | 00.11        |            | Continued. | A O H.                                  | 25/09/2009    |
| <b>FORCED OUTAGE</b>    |          |              |              |            |            |                                         |               |
| Dabhol 2A               | 230      | 19/01/2008   | 02.40        |            | Continued. | Tripped                                 | 20/12/2009    |
| Uran Unit 2             | 60       | 04/10/2008   | 19.00        |            | Continued. | Gas Restriction                         |               |
| Dabhol 3A               | 230      | 08/11/2008   | 13.45        |            | Continued. | Exhaust temp.& vibn.high                | 15/02/2010    |
| Dabhol 1B               | 230      | 22/01/2009   | 12.05        |            | Continued. | BHMS Installation work                  | 25/10/2009    |
| Uran Unit 4             | 60       | 01/04/2009   | 00:00        |            | Continued. | Gas Restriction                         |               |
| Tata Trombay 4          | 150      | 01/07/2009   | 00:46        |            | Continued. | W/dn                                    |               |
| Uran Unit 3             | 60       | 05/07/2009   | 21.12        |            | Continued. | Stator Earth Fault                      |               |
| Parli Unit 4            | 210      | 24/09/2009   | 15.40        | 29/09/2009 | 07.15      | Boiler Tube Leakage                     | 28/09/2009    |
| Cent_Sect NTPC(V-8)     | 500      | 26/09/2009   | 15.44        | 29/09/2009 | 13.50      | BLR T/L.                                | 29/09/2009    |
| Tata Trombay 8          | 250      | 27/09/2009   | 00.49        | 29/09/2009 | 16.37      | Boiler Tube Leakage                     | 28/09/2009    |
| Bhusawal Unit 1         | 58       | 27/09/2009   | 17.36        | 28/09/2009 | 05.45      | Auxillary Supply Failure.               |               |
| Tata Trombay 7B         | 60       | 29/09/2009   | 00.45        | 29/09/2009 | 19.47      | GT Buchholz operated.                   |               |
| Parli Unit 1            | 30       | 29/09/2009   | 06.13        | 29/09/2009 | 09.15      | Furnace pressure low.                   |               |

**State Load Dispatch Center, Airoli (MSETCL)**  
**Details of Line outages/Trippings for 28/Sep/2009**

Position as on 6.30 Hrs of 29/Sep/2009

| 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 HAND TRIPPED</b>   |                   |                                                     |
| Akola - Wardha - II                         | 01/07/2009   | 09.12        |                                   | Continued.        | H/T FOR O/V                                         |
| Kolhapur-Mapusa-II                          | 27/09/2009   | 12.33        | 29/09/2009                        | 12.07             | Hand Tripped for Over Voltage.                      |
| Kolhapur-Mapusa Ckt I                       | 29/09/2009   | 22.35        |                                   | Continued.        | Hand Tripped for Over Voltage.                      |
| <b>Voltage Level : 132KV</b>                |              |              | <b>Outage Type HAND TRIPPED</b>   |                   |                                                     |
| Mansar-Pench                                | 29/09/2009   | 04.15        |                                   | Continued.        | H/T, For Y-Ph PT Burst at Pench end.                |
| <b>IntraState</b>                           |              |              |                                   |                   |                                                     |
| <b>Voltage Level : 400KV</b>                |              |              | <b>Outage Type PLANNED OUTAGE</b> |                   |                                                     |
| 400/220kv, 315 MVA ICT-II @ Nagothane.      | 29/09/2009   | 09.53        | 29/09/2009                        | 18.01             | Q.M. & Testing Work.                                |
| 400/220kv 315MVA ICT-II at Karad.           | 29/09/2009   | 12.30        |                                   | Continued.        | To Attend Oil Leakage from B Ph Unit.               |
| <b>Voltage Level : 220KV</b>                |              |              | <b>Outage Type PLANNED OUTAGE</b> |                   |                                                     |
| 220/100KV 125 MVA ICT-II at Kalwa           | 01/05/2009   | 07:45        |                                   | Continued.        | Repair Work                                         |
| 220/100 KV, 125 MVA ICT-III at Trombay S/S. | 31/08/2009   | 09.32        |                                   | Continued.        | Replacement of Relay Panels & Control Panels.       |
| 220 KV Main Bus - II @ 400 KV Kalwa         | 29/09/2009   | 06.39        | 29/09/2009                        | 15.32             | To Attend 29B Isolator of C'Chem Ckt & Maint. Work. |
| K'gaon-Dasturi                              | 29/09/2009   | 09.15        | 29/09/2009                        | 12.45             | To Attend Hot Spot.                                 |
| Nasik - Ghatghar                            | 29/09/2009   | 11.28        | 29/09/2009                        | 15.36             | Hot Spot on R Ph C.T.                               |
| 220/110KV 100 MVA ICT-II @ Miraj.           | 29/09/2009   | 11.53        | 29/09/2009                        | 14.00             | To Attend Hot Spot on Y Ph C.T.                     |
| Murud-Bale                                  | 29/09/2009   | 12.00        | 29/09/2009                        | 15.10             | Q.M.Work.                                           |
| 50 MVA, 220/33 KV T/F - II @ Vita           | 29/09/2009   | 12.10        | 29/09/2009                        | 15.20             | Q.M.Work.                                           |
| Bhosari-Telco                               | 29/09/2009   | 12.52        | 29/09/2009                        | 16.37             | Maint.Work.                                         |
| 220/132 KV, 100 MVA ICT - II @ Beed.        | 29/09/2009   | 19.40        |                                   | Continued.        | Filtration Work.                                    |
| <b>Voltage Level : 132KV</b>                |              |              | <b>Outage Type PLANNED OUTAGE</b> |                   |                                                     |
| 132/7 KV Station T/F - II at Deepnagar      | 25/09/2009   | 09:53        |                                   | Continued.        | Oil filtration work.                                |
| Harangul - Udgir                            | 29/09/2009   | 15.10        | 29/09/2009                        | 18.50             | R.M.Work.                                           |
| Kalmeshwar - Katol                          | 29/09/2009   | 16.30        | 29/09/2009                        | 17.34             | Y Ph P T Burst of Bus- II.                          |
| <b>Voltage Level : 220KV</b>                |              |              | <b>Outage Type HAND TRIPPED</b>   |                   |                                                     |
| Wardha-Badnera                              | 19/09/2009   | 01:03        |                                   | Continued.        | H/T to increase load on Akola ICT.                  |
| Kalwa-C'chem                                | 29/09/2009   | 05.45        | 29/09/2009                        | 07.03             | On TBC                                              |
| <b>Voltage Level : 132KV</b>                |              |              | <b>Outage Type HAND TRIPPED</b>   |                   |                                                     |
| Chikhali - Khamgaon                         | 24/09/2009   | 16.42        |                                   | Continued.        | H/T to control Chikhali ICT loading                 |
| Pardi-Uppalwadi                             | 24/09/2009   | 16.58        | 29/09/2009                        | 10.50             | H/T to control Ambazari-Mankapur loading            |
| Pahur - Pachora                             | 27/09/2009   | 19.00        | 28/09/2009                        | 00.31             | Hand Tripped for Controlling Line Loading.          |
| Bhusawal - Pachora                          | 27/09/2009   | 19.00        | 28/09/2009                        | 00.47             | Hand Tripped for Controlling Line Loading.          |
| Pardi-Uppalwadi                             | 29/09/2009   | 19.53        | 29/09/2009                        | 21.15             | To Control Line Loading of Ambazari-Hingna.         |
| <b>Voltage Level : 400KV</b>                |              |              | <b>Outage Type TRIPPED</b>        |                   |                                                     |
| Karad-Newkoyna 1                            | 29/09/2009   | 17.30        | 29/09/2009                        | 22.50             | Tripped on Dist.Prot.Line on TBC.                   |

**State Load Dispatch Center, Airoli (MSETCL)**  
**Details of Line outages/Trippings for 28/Sep/2009**

Position as on 6.30 Hrs of 29/Sep/2009

| Name of Line                           | Tripped Date | Tripped Time | Synchronise d Date         | Synchronise d Time | Reason of Outage                                                                          |
|----------------------------------------|--------------|--------------|----------------------------|--------------------|-------------------------------------------------------------------------------------------|
| <b>Voltage Level : 220KV</b>           |              |              | <b>Outage Type TRIPPED</b> |                    |                                                                                           |
| Butibori - Sun Vijay                   | 28/09/2009   | 05.23        | 28/09/2009                 | 14.23              | Y Ph Jumper Open.                                                                         |
| Lonikand-Bhosari                       | 28/09/2009   | 09.50        | 28/09/2009                 | 10.24              | Tripped                                                                                   |
| Sonkar - Nerul                         | 28/09/2009   | 14.20        | 28/09/2009                 | 14.41              | Tripped.                                                                                  |
| Kalwa-C'chem                           | 28/09/2009   | 14.22        | 28/09/2009                 | 16.35              | Dist.Protection, R & Y Ph.to earth.                                                       |
| Kalmeshwar-Ambazari                    | 28/09/2009   | 14.22        | 28/09/2009                 | 16.12              | Tripped,on dist Prot.Ambz S/S.Only, Due to 132 KV BUS II Y-Ph PT Burst at Kalmeshwar end. |
| 220/132 KV 100 MVA ICT-II @ Kalmeshwar | 28/09/2009   | 14.22        | 28/09/2009                 | 16.41              | Tripped, Y-Ph PT of 132 KV Bus-II Burst & also Bus-I Became dead.                         |
| 220/132 Kv200 MVA ICT at Kalmeshwar    | 28/09/2009   | 14.22        | 28/09/2009                 | 15.11              | Tripped,Y-Ph PT of 132 KV Bus-II Burst & also Bus-I Became dead.                          |
| 132 /33 KV 50 MVA T/F-I at Chikhali    | 28/09/2009   | 18.35        | 28/09/2009                 | 18.40              | Tripped,R-Ph CT Burst of 33 KV Dusarbid Feeder.                                           |
| Parbhani-Girawali                      | 29/09/2009   | 00.14        | 29/09/2009                 | 00.33              | Trip Dist.Prot,B-Ph to earth Z-I.                                                         |
| Parli Ext.-Nanded                      | 29/09/2009   | 00.14        |                            | Continued.         | Dist.Prot,R-Ph to earth Z-I, E/W broken.                                                  |
| PEDAMBE-MAHAD                          | 29/09/2009   | 16.40        | 29/09/2009                 | 18.39              | Tripped on Dist.Prot.Y-E,Zone-I                                                           |
| Ambazari-Amravati                      | 29/09/2009   | 16.44        | 29/09/2009                 | 16.59              | Dist.Prot.                                                                                |
| Finolex - Kharepatan                   | 29/09/2009   | 18.17        | 29/09/2009                 | 18.48              | Dist.Prot.R-E.                                                                            |
| Pedambe - Pophali                      | 29/09/2009   | 18.25        | 29/09/2009                 | Continued.         | Tripped on Dist.Prot. R-E, Zone-I.                                                        |
| 220 KV Pophali Junction Breaker        | 29/09/2009   | 18.25        | 29/09/2009                 | 19.25              | Bas Bar Prot.Opetd.                                                                       |
| PEDAMBE-TAMBATI                        | 29/09/2009   | 18.45        | 29/09/2009                 | 19.43              | Tripped on Dist.Prot.R Ph.                                                                |
| Mudshingi - Peth                       | 29/09/2009   | 18.50        |                            | Continued.         | Tripped on Dist.Prot. R-E.                                                                |
| Khaparkheda-Ambazari ckt - I           | 29/09/2009   | 19.12        | 29/09/2009                 | 20.26              | Dist.Prot.                                                                                |
| <b>Voltage Level : 132KV</b>           |              |              | <b>Outage Type TRIPPED</b> |                    |                                                                                           |
| 132/33 KV 25 MVA T/F - I @ Bhusawal    | 27/09/2009   | 17.36        |                            | Continued.         | Transformer Caught Fire.                                                                  |
| 132/11KV 16 MVA T/F at Bhusawal        | 27/09/2009   | 17.36        | 28/09/2009                 | 22.05              | Cable Fault                                                                               |
| 132/33 KV 25 MVA T/F - II @ Bhusawal   | 27/09/2009   | 17.36        |                            | Continued.         | Control Cable Burnt.                                                                      |
| 132 KV Interconnector - I @ Bhusawal   | 27/09/2009   | 17:36        |                            | Continued.         | Jumper broken.                                                                            |
| 132 Interconnector - II @ Bhusawal     | 27/09/2009   | 23:05        | 28/09/2009                 | 00:18              | Tripped.                                                                                  |
| M.Bus-I at Kalmeshwar                  | 28/09/2009   | 14.22        | 28/09/2009                 | 15.11              | Tripped, Y-Ph PT of 132 KV Bus-II Burst.                                                  |
| M.Bus-II at Kalmeshwar                 | 28/09/2009   | 14.22        |                            | Continued.         | Tripped,Y-Ph PT Burst.                                                                    |
| 132//33 KV 25 MVA T/F-II at Kalmeshwar | 28/09/2009   | 14.22        | 28/09/2009                 | 15.42              | Y-Ph PT of 132 KV Bus-II Burst & also Bus-I Became dead.                                  |
| 132 KV BUS COUPLER at Kalmeshwar       | 28/09/2009   | 14.22        | 29/09/2009                 | 17.25              | Tripped,Y-Ph PT Burst of 132 KV BUS-II & also BUS-I became dead.                          |
| 132/33 KV 25 MVA T/F-I at Kalmeshwar   | 28/09/2009   | 14.22        | 28/09/2009                 | 15.16              | Y-Ph PT of 132 KV Bus-II Burst & also Bus-I Became dead.                                  |
| Kalmeshwar - Katol                     | 28/09/2009   | 14.22        | 28/09/2009                 | 16.30              | Tripped,Y-Ph PT of 132 KV BUS- II Burst and also BUS-I Became Dead..                      |
| Kalmeshwar-Saoner                      | 28/09/2009   | 14.22        | 28/09/2009                 | 15.30              | Tripped,Y-Ph PT of 132 KV Bus-II Burst & also Bus-I Became dead.                          |
| Kalmeshwar - Hingna - II               | 28/09/2009   | 14.22        | 28/09/2009                 | 15.45              | Tripped,Y-Ph PT of 132 Kv Bus-II Burst & also Bus-I Became dead.                          |

**State Load Dispatch Center,Airoli (MSETCL)**  
**Details of Line outages/Trippings for 28/Sep/2009**

Position as on 6.30 Hrs of 29/Sep/2009

| Name of Line           | Tripped Date | Tripped Time | Synchronise d Date | Synchronise d Time | Reason of Outage               |
|------------------------|--------------|--------------|--------------------|--------------------|--------------------------------|
| Kanhan - Mansar.       | 29/09/2009   | 03.32        | 29/09/2009         | 03.59              | Tripped on Back-up Protection. |
| Bhandara - Madgi -I    | 29/09/2009   | 17.30        | 29/09/2009         | 18.30              | Dist.Prot.                     |
| Bhandara - Ambhora - I | 29/09/2009   | 18.10        | 29/09/2009         | 18.40              | Dist.Prot.                     |

# State Load Dispatch Center,Airoli (MSETCL)

## Details of On Line Capacity for 29/Sep/2009

| Generating unit    | Derated Capacity (MW) | OLC (MW)    |
|--------------------|-----------------------|-------------|
| <b>Koradi</b>      |                       |             |
| Unit 1             | 105                   | 50          |
| Unit 2             | 105                   | 70          |
| Unit 3             | 105                   | 70          |
| Unit 4             | 105                   | 50          |
| Unit 5             | 200                   | 140         |
| Unit 6             | 210                   | 140         |
| Unit 7             | 210                   | 160         |
|                    | <b>1040</b>           | <b>680</b>  |
| <b>Bhusawal</b>    |                       |             |
| Unit 1             | 58                    | 25          |
| Unit 2             | 210                   | 0           |
| Unit 3             | 210                   | 200         |
|                    | <b>478</b>            | <b>225</b>  |
| <b>Parli</b>       |                       |             |
| Unit 1             | 30                    | 20          |
| Unit 2             | 30                    | 20          |
| Unit 3             | 210                   | 170         |
| Unit 4             | 210                   | 0           |
| Unit 5             | 210                   | 160         |
| Unit 6             | 250                   | 220         |
|                    | <b>940</b>            | <b>590</b>  |
| <b>Chandrapur</b>  |                       |             |
| Unit 1             | 210                   | 165         |
| Unit 2             | 210                   | 0           |
| Unit 3             | 210                   | 190         |
| Unit 4             | 210                   | 200         |
| Unit 5             | 500                   | 450         |
| Unit 6             | 500                   | 425         |
| Unit 7             | 500                   | 425         |
|                    | <b>2340</b>           | <b>1855</b> |
| <b>Paras</b>       |                       |             |
| Unit 2             | 55                    | 20          |
| Unit 3             | 250                   | 210         |
|                    | <b>305</b>            | <b>230</b>  |
| <b>Khaparkheda</b> |                       |             |
| Unit 1             | 210                   | 180         |
| Unit 2             | 210                   | 190         |
| Unit 3             | 210                   | 190         |
| Unit 4             | 210                   | 210         |
|                    | <b>840</b>            | <b>770</b>  |
| <b>Nasik</b>       |                       |             |
| Unit 1             | 120                   | 90          |
| Unit 2             | 120                   | 80          |
| Unit 3             | 210                   | 200         |
| Unit 4             | 210                   | 190         |
| Unit 5             | 210                   | 180         |
|                    | <b>870</b>            | <b>740</b>  |
| <b>Uran</b>        |                       |             |
| All Units          | 852                   | 580         |
|                    | <b>852</b>            | <b>580</b>  |
| <b>Koyna</b>       |                       |             |
| Stage 1-2          | 600                   | 600         |
| Stage 4            | 1000                  | 250         |
| Stage 3            | 320                   | 320         |
|                    | <b>1920</b>           | <b>1170</b> |
| <b>Hydro</b>       |                       |             |

| Generating unit   | Derated Capacity (MW) | OLC (MW)    |
|-------------------|-----------------------|-------------|
| KDPH              | 40                    | 0           |
| VTRNA             | 60                    | 0           |
| TILLARI           | 60                    | 60          |
| BHTGR/VEER        | 21                    | 0           |
| BHIRA T.R.        | 80                    | 40          |
| RNGR+BHTSA        | 20                    | 16          |
| BHANDARDRA        | 45                    | 0           |
| ELDARY            | 23                    | 0           |
| PAITHAN           | 12                    | 10          |
| GHATGHAR          | 250                   | 0           |
|                   | <b>611</b>            | <b>126</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                     |             |
| Khadakale         | 0                     |             |
| Khaparale         | 0                     |             |
|                   | <b>0</b>              |             |
| <b>Dabhol</b>     |                       |             |
| RGPL II           | 960                   | 900         |
| RGPL III          | 740                   | 0           |
|                   | <b>1700</b>           | <b>900</b>  |
| <b>Tata</b>       |                       |             |
| Trombay 4         | 150                   | 0           |
| Trombay 5         | 500                   | 500         |
| Trombay 6         | 500                   | 500         |
| Trombay 7A        | 120                   | 120         |
| Trombay 7B        | 60                    | 0           |
| Trombay 8         | 250                   | 0           |
| TATA Hydro        | 444                   | 447         |
|                   | <b>2024</b>           | <b>1567</b> |
| <b>REL</b>        |                       |             |
| 1&2               | 500                   | 500         |
|                   | <b>500</b>            | <b>500</b>  |
| <b>Cent Sect</b>  |                       |             |
| Share             | 3143                  | 3499        |
|                   | <b>3143</b>           | <b>3499</b> |

|  |              |              |
|--|--------------|--------------|
|  | <b>17616</b> | <b>13432</b> |
|--|--------------|--------------|