



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

# **State Load Dispatch Center, Airoli**

## **Daily system Report**

**for**

**02/Mar/2009**

**State Load Dispatch Center, Airoli (MSETCL)**  
**Daily system Report for 02/Mar/2009 MONDAY**

I GENERATION (MUs)			II EXCHANGES (MUs)		
<b>A) MSGENCO</b>	<b>Daily</b>	<b>Monthly</b>	<b>E) Central Sector</b>	<b>Daily</b>	<b>Monthly</b>
1) Thermal	119.096	245.156	1) Madhya Pradesh	68.051	133.344
2) Hydro	21.536	38.288	2) Gujrat	15.879	30.296
3) Gas	14.431	26.225	3) Goa	-6.318	-12.276
<b>Total MSGENCO</b>	<b>155.063</b>	<b>309.669</b>	4) TAPS 1&2 (Inj.)	7.289	14.579
<b>B) OTHERS</b>			5) Pench (Excess)	-0.134	-0.272
1) RGPPL Gas	9.558	16.515	<b># Total Cent. Sector</b>	<b>84.767</b>	<b>165.671</b>
2) Wind Generation	2.791	5.331	<b>F) Other Exchanges</b>		
3) PENCH (MS)	0.134	0.272	1) With TPCL	-3.487	-2.040
<b>C) TPCL &amp; REL</b>			<b>G) Bilateral Power *</b>		
1) TPCL Thermal	29.281	58.215	1) MSEDCL Bilateral	4.917	13.211
2) TPCL Hydro	3.998	4.060	Include PX	0.330	1.901
<b>TOTAL TPCL</b>	<b>33.279</b>	<b>62.275</b>	2) MUMBAI Bilateral	3.961	3.916
3) REL Thermal	12.688	25.400	Include PX	0.965	1.048
<b>D) STATE</b>			3) MUMBAI Schedule	3.961	3.916
1) Thermal (A1+C1+C3)	161.065	328.771	<b>H) ENERGY CATERED (MUs)</b>		
2) Hydro (A2+B3+C2)	25.668	42.620	1) MSEDCL	248.826	495.690
3) Gas (A3+B1)	23.989	42.740	2) TPCL	33.296	62.330
4) Wind (B2)	2.791	5.331	3) REL	16.157	30.279
<b>TOTAL STATE</b>	<b>213.513</b>	<b>419.462</b>	<b>TOTAL STATE</b>	<b>298.279</b>	<b>588.299</b>

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

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	5032	4958	5142
MSGENCO Hydro	586	1581	153
MSGENCO Gas	513	634	657
<b>MSGENCO Total Generation</b>	<b>6131</b>	<b>7173</b>	<b>5952</b>
Central Sector Receipt	3719	3649	2991
RGPPL	331	615	314
WIND	57	176	142
Exchange with TPCL	-264	-342	159
<b>MSEDCL DEMAND MET</b>	<b>9974</b>	<b>11295</b>	<b>9558</b>
Load Shedding	4722	3926	1967
<b>MSEDCL DEMAND (INCL. LS)</b>	<b>14696</b>	<b>15221</b>	<b>11525</b>
TPCL GENERATION	1435	1546	1197
REL GENERATION	529	529	529
<b>TPCL+REL DEMAND</b>	<b>2228</b>	<b>2417</b>	<b>1567</b>
<b>STATE DEMAND MET</b>	<b>12202</b>	<b>13712</b>	<b>11125</b>
<b>STATE DEMAND (INCL. LS)</b>	<b>16924</b>	<b>17638</b>	<b>13092</b>
Frequency (Hz)	49.20	49.55	49.57
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			5195 MW At 13.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			97.50 MUs.

**FREQUENCY PARTICULARS**

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.34 Hz at 18.03 Hrs	48.83 Hz at 12.07 Hrs	49.4	1.72 % 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 02/Mar/2009

Generating unit	Generation				OLC (MW)	Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)			Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
<b>Koradi</b>						Stage 3	3.06	4.77	240	0	320
Unit 1	1.43	3.12	72	39	60		<b>16.69</b>	<b>29.02</b>			<b>1170</b>
Unit 2	1.80	3.64	84	60	80	<b>Hydro</b>					
Unit 3	0.00	1.45	0	0	0	KDPH	0.91	1.82	39	38	38
Unit 4	0.44	1.08	65	0	60	VTRNA	0.84	1.65	60	0	60
Unit 5	4.05	8.23	193	122	140	TILLARI	0.39	0.78	60	0	60
Unit 6	0.00	0.00	0	0	0	BHTGR/VEER	0.71	1.50	30	29	55
Unit 7	4.10	8.56	202	138	140	BHIRA T.R.	0.10	0.21	53	0	80
	<b>11.83</b>	<b>26.08</b>			<b>480</b>	RNGR+BHTSA	0.32	0.67	14	13	15
<b>Bhusawal</b>						BHANDARDRA	0.79	1.63	33	33	35
Unit 1	1.24	2.54	56	47	50	ELDARY	0.22	0.45	15	0	0
Unit 2	4.56	9.06	195	180	185	PAITHAN	0.00	0.00	0	0	0
Unit 3	4.75	9.36	200	191	195	GHATGHAR	0.56	0.56	125	0	0
	<b>10.55</b>	<b>20.96</b>			<b>430</b>		<b>4.84</b>	<b>9.27</b>			<b>343</b>
<b>Parli</b>						<b>PENCH (MS)</b>					
Unit 1	0.53	1.02	23	20	20	Pench (MS)	0.13	0.27	24	0	
Unit 2	0.58	1.14	26	22	20		<b>0.13</b>	<b>0.27</b>			
Unit 3	3.28	6.50	154	115	155	<b>Wind</b>					
Unit 4	0.00	0.00	0	0	0	MalharPeth	0.13	0.28			
Unit 5	3.33	6.96	165	120	140	Vankuswadi	0.28	0.61			
Unit 6	5.80	11.62	256	205	250	ATIT	0.04	0.08			
	<b>13.51</b>	<b>27.24</b>			<b>585</b>	Kale	0.07	0.18			
<b>Chandrapur</b>						Satara	0.11	0.26			
Unit 1	4.15	8.19	178	172	170	Shirala	0.10	0.24			
Unit 2	4.19	8.31	177	171	170	K Mahankal	0.01	0.03			
Unit 3	4.80	9.91	208	182	190	Supa	0.04	0.15			
Unit 4	4.48	9.03	197	168	195	Vita	0.53	1.33			
Unit 5	0.00	5.01	0	0	0	Dondaicha	1.08	1.48			
Unit 6	9.95	19.82	452	390	400	Sakri	0.18	0.25			
Unit 7	11.14	22.27	481	451	460	Nandurbar	0.13	0.16			
	<b>38.71</b>	<b>82.52</b>			<b>1585</b>	Khadakale	0.08	0.27			
<b>Paras</b>						Khaparale	0.01	0.02			
Unit 2	1.09	2.26	50	39	45		<b>2.79</b>	<b>5.33</b>			
Unit 3	5.28	10.60	237	185	230	<b>Dabhol</b>					
	<b>6.37</b>	<b>12.86</b>			<b>275</b>	RGPP L II	9.56	16.52	615	313	300
<b>Khaparkheda</b>						RGPP L III	0.00	0.00	0	0	
Unit 1	4.81	9.64	209	194	200		<b>9.56</b>	<b>16.52</b>			<b>300</b>
Unit 2	4.64	9.27	203	182	200	<b>Tata</b>					
Unit 3	4.98	9.55	212	202	200	Trombay 4	2.80	5.26	131	98	150
Unit 4	4.53	8.94	206	178	200	Trombay 5	12.12	24.24	505	505	500
	<b>18.95</b>	<b>37.41</b>			<b>800</b>	Trombay 6	12.20	24.34	510	490	500
<b>Nasik</b>						Trombay 7A	2.16	4.37	95	76	120
Unit 1	2.19	4.36	99	86	95	Trombay 7B	0.00	0.00	0	0	0
Unit 2	2.31	4.47	103	95	95	TATA Hydro	4.00	4.06	308	2	297
Unit 3	4.94	9.81	210	200	200		<b>33.28</b>	<b>62.28</b>			<b>1567</b>
Unit 4	4.94	9.87	210	199	200	<b>REL</b>					
Unit 5	4.79	9.58	205	191	200	1&2	12.69	25.40	531	526	500
	<b>19.17</b>	<b>38.09</b>			<b>790</b>		<b>12.69</b>	<b>25.40</b>			<b>500</b>
<b>Uran</b>						<b>Cent Sect</b>					
All Units	14.43	26.22	661	475	640	Share					3422
	<b>14.43</b>	<b>26.22</b>			<b>640</b>						<b>3422</b>
<b>Koyna</b>						<b>MS PG CL</b>					
Stage 1-2	3.21	5.42	400	40	600	Thermal	119.10	245.16			4945
Stage 4	10.42	18.83	956	0	250	Thml+Gas	133.53	271.38			5585
Koyna 12&4 Total	<b>13.63</b>	<b>24.25</b>			<b>850</b>	Hydro	21.54	38.29			1513
						Total	155.06	309.67			7098
						State Total	213.51	419.46			12887

# State Load Dispatch Center, Airoli (MSETCL)

## Hourly Load Data As on 02/Mar/2009

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CS SHARE	CS RECPT	TPCL SCH.	TPCL NET EXCH.	MSEDCL DEMAND MET	# LOAD SHED.	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS	FREQ. (Hz)
	THM	HY	GAS													
1	5157	175	654	5986	313	132	3086	3114	-42	4	9562	1942	11504	1723	13227	49.44
2	5142	153	657	5952	314	142	2942	2991	102	159	9558	1967	11525	1567	13092	49.57
3	5070	153	658	5881	313	136	2848	3187	199	260	9777	2061	11838	1476	13314	49.64
4	5057	158	660	5875	313	145	2778	3281	273	337	9951	1864	11815	1385	13200	49.62
5	5044	307	661	6012	315	155	2766	3056	294	337	9875	2465	12340	1382	13722	49.43
6	5011	1013	556	6580	315	130	2823	3048	244	285	10358	2819	13177	1455	14632	49.37
7	5015	759	484	6258	315	124	3006	3134	101	134	9965	3829	13794	1600	15394	49.39
8	5037	508	484	6029	314	94	3286	3284	98	122	9843	4308	14151	1666	15817	49.29
9	5050	414	475	5939	323	61	3342	3444	-80	-61	9706	4762	14468	1927	16395	49.41
10	5032	586	513	6131	331	57	3614	3719	-304	-264	9974	4722	14696	2228	16924	49.20
11	4897	947	622	6466	320	73	3682	3845	-384	-344	10360	4129	14489	2384	16873	49.26
12	4868	1299	605	6772	319	78	3773	4005	-502	-459	10715	4025	14740	2525	17265	49.25
13	4949	1609	591	7149	320	95	3699	3856	-462	-490	10930	3852	14782	2547	17329	49.24
14	4913	1437	585	6935	321	104	3652	3828	-384	-409	10779	3803	14582	2459	17041	49.24
15	4933	1321	591	6845	323	98	3693	3740	-407	-430	10576	3764	14340	2489	16829	49.22
16	4912	1029	608	6549	327	113	3748	3782	-407	-432	10339	4119	14458	2495	16953	49.31
17	4890	1132	616	6638	383	140	3746	3825	-407	-428	10558	4006	14564	2494	17058	49.32
18	4918	1185	632	6735	490	230	3558	3843	-367	-376	10922	3740	14662	2445	17107	49.74
19	4980	1317	634	6931	590	175	3488	3635	-265	-271	11084	3676	14760	2342	17102	49.67
20	4958	1581	634	7173	615	176	3680	3649	-334	-342	11295	3926	15221	2417	17638	49.55
21	4909	1696	641	7246	614	83	3614	3666	-263	-242	11391	3519	14910	2299	17209	49.48
22	4934	1332	642	6908	608	91	3620	3630	-263	-241	11020	3525	14545	2211	16756	49.36
23	4974	882	610	6466	611	65	3660	3720	-268	-242	10644	3374	14018	2056	16074	49.35
24	4842	543	556	5941	551	116	3424	3697	-131	-94	10211	2757	12968	1882	14850	49.24
<b>MUs</b>	<b>119.49</b>	<b>21.54</b>	<b>14.37</b>	<b>155.40</b>	<b>9.56</b>	<b>2.81</b>	<b>81.53</b>	<b>84.98</b>	<b>-3.96</b>	<b>-3.49</b>	<b>249.39</b>	<b>82.95</b>	<b>332.35</b>	<b>49.45</b>	<b>381.80</b>	<b>49.40</b>

**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 02/Mar/2009**

Position as on 6.30 Hrs of 03/Mar/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
Cent_Sect KARPR2	220	03/02/2009	00.24		Continued.	Bi-Annual overhaul work	10/03/2009
Koradi Unit 6	210	08/02/2009	02.11		Continued.	ANNUAL MAINT. WORK	15/03/2009
<b>FORCED OUTAGE</b>							
Dabhol 2A	230	19/01/2008	02.40		Continued.	Tripped	01/07/2009
Uran Unit 4	60	01/04/2008	00:00		Continued.	Gas Restriction	
Uran Unit 2	60	04/10/2008	19.00		Continued.	Gas Restriction	
Uran Unit 3	60	23/10/2008	06.40		Continued.	Gas Restriction	
Dabhol 3A	230	08/11/2008	13.45		Continued.	Exhaust temp.& vibn.high	01/06/2009
Dabhol 3B	230	19/11/2008	19.55		Continued.	W/dn	31/03/2009
Dabhol 3X	290	19/11/2008	19.58		Continued.	W/dn	31/03/2009
Dabhol 1B	230	22/01/2009	12.05		Continued.	BHMS Installation work	10/03/2009
Tata Trombay 7B	60	21/02/2009	03:58		Continued.	Stator Winding Prob.	03/03/2009
Parli Unit 4	210	26/02/2009	15.01		Continued.	Furnace Pressure High	06/03/2009
Dabhol 1A	230	01/03/2009	07.23	02/03/2009	08.28	Prob.in combustion system.	
Dabhol 1X	290	01/03/2009	07.23	02/03/2009	16.04	Prob.in combustion system.	
Chandrapur Unit 5	500	01/03/2009	10.44		Continued.	H/T due to Turbine Pipe line Leakages.	03/03/2009
Koradi Unit 3	105	01/03/2009	21.31		Continued.	Condensor Tube Leakage	03/03/2009
Koradi Unit 4	115	02/03/2009	09.19		Continued.	Condensor Valve problem.	
Dabhol 1X	290	02/03/2009	23.51		Continued.	Borosopic Inspection.	
Dabhol 1A	230	02/03/2009	23.52		Continued.	Borosopic Inspection.	

**State Load Dispatch Center,Airoli (MSETCL)**  
**Details of Line outages/Trippings for 02/Mar/2009**

Position as on 6.30 Hrs of 03/Mar/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
<b>InterState</b>					
<b>Voltage Level : 220KV</b>			<b>Outage Type PLANNED OUTAGE</b>		
Nasik-Navsari-I	02/03/2009	07.58	02/03/2009	19.35	Insulator Replacement
Mudshingi-Ponda	02/03/2009	08.05	02/03/2009	18.10	Bus Section Outage at Mudshingi.
<b>Voltage Level : 132KV</b>			<b>Outage Type PLANNED OUTAGE</b>		
Pench - Kanhan	26/02/2009	17.25	02/03/2009	19.35	Relay Retrofitting Work
<b>Voltage Level : 400KV</b>			<b>Outage Type HAND TRIPPED</b>		
DHULE-SAR'SAROVAR-I	01/03/2009	01.51		Continued.	H/T FOR O/V
Kolhapur-Mapusa Ckt I	03/03/2009	00.54		Continued.	H/T FOR O/V
<b>IntraState</b>					
<b>Voltage Level : 400KV</b>			<b>Outage Type PLANNED OUTAGE</b>		
400/220 KV 300 MVA ICT-I @ Koradi	27/02/2009	09.27		Continued.	B Phase Unit Replacement.
400/11.5KV,90MVA STN T/F V At 400 KV C'pur	27/02/2009	23.22		Continued.	M.B.Prob.HV Side On TBC-II
Single Ph.105 MVA Spare ICT-II at Karad	02/03/2009	10:45		Continued.	Repl. of existing single phase ICT of 400KV ICT-I, B Ph. by Spare ICT-II
Karad-Lonikhand	02/03/2009	14.13	02/03/2009	17.26	Testing Work
Single Ph.Spare ICT at Khargar	02/03/2009	14.40	02/03/2009	17.23	Maintenance work
<b>Voltage Level : 220KV</b>			<b>Outage Type PLANNED OUTAGE</b>		
Main Bus at Ichalkaranji	02/03/2009	10.15	02/03/2009	17.15	Q.M. WORK
Main Bus Section-I @ Mudshingi	02/03/2009	12:25	02/03/2009	14:00	R.M. Work
<b>Voltage Level : 400KV</b>			<b>Outage Type FORCED OUTAGE</b>		
Own breaker Of N'thane-Dabhol-I line at N'gothane.	02/03/2009	13:19		Continued.	Line on TBC, Sparking at Y ph PG Isolator
<b>Voltage Level : 220KV</b>			<b>Outage Type HAND TRIPPED</b>		
200 MVA 220/132 Kv ICT at Kawlewada	02/03/2009	14.05	02/03/2009	16.20	HV Breaker Problem.
<b>Voltage Level : 400KV</b>			<b>Outage Type TRIPPED</b>		
Lonikand-Kalwa	01/03/2009	16.53	02/03/2009	08.17	Tripped On D/P. Declared Br.Dn.

# State Load Dispatch Center, Airoli (MSETCL)

## Details of On Line Capacity for 03/Mar/2009

Generating unit	Derated Capacity (MW)	OLC (MW)	Generating unit	Derated Capacity (MW)	OLC (MW)
<b>Koradi</b>			KDPH	40	38
Unit 1	105	70	VTRNA	60	60
Unit 2	105	70	TILLARI	60	60
Unit 3	105	0	BHTGR/VEER	21	30
Unit 4	105	0	BHIRA T.R.	80	80
Unit 5	200	150	RNGR+BHTSA	20	14
Unit 6	210	0	BHANDARDRA	45	35
Unit 7	210	150	ELDARY	23	0
	<b>1040</b>	<b>440</b>	PAITHAN	12	0
<b>Bhusawal</b>			GHATGHAR	250	0
Unit 1	58	50		<b>611</b>	<b>317</b>
Unit 2	210	185	<b>PENCH (MS)</b>		
Unit 3	210	195	Pench (MS)	53	
	<b>478</b>	<b>430</b>		<b>53</b>	
<b>Parli</b>			<b>Wind</b>		
Unit 1	30	20	MalharPeth	0	
Unit 2	30	20	Vankuswadi	0	
Unit 3	210	125	ATIT	0	
Unit 4	210	0	Kale	0	
Unit 5	210	125	Satara	0	
Unit 6	250	230	Shirala	0	
	<b>940</b>	<b>520</b>	K Mahankal	0	
<b>Chandrapur</b>			Supa	0	
Unit 1	210	170	Vita	0	
Unit 2	210	170	Dondaicha	0	
Unit 3	210	210	Sakri	0	
Unit 4	210	195	Nandurbar	0	
Unit 5	500	0	Khadakale	0	
Unit 6	500	325	Khaparale	0	
Unit 7	500	470		<b>0</b>	
	<b>2340</b>	<b>1540</b>	<b>Dabhol</b>		
<b>Paras</b>			RGPPL II	740	300
Unit 2	55	45	RGPPL III	740	
Unit 3	250	200		<b>1480</b>	<b>300</b>
	<b>305</b>	<b>245</b>	<b>Tata</b>		
<b>Khaparkheda</b>			Trombay 4	150	150
Unit 1	210	200	Trombay 5	500	500
Unit 2	210	200	Trombay 6	500	500
Unit 3	210	200	Trombay 7A	120	110
Unit 4	210	200	Trombay 7B	60	0
	<b>840</b>	<b>800</b>	TATA Hydro	444	297
<b>Nasik</b>				<b>1774</b>	<b>1557</b>
Unit 1	120	95	<b>REL</b>		
Unit 2	120	95	1&2	500	500
Unit 3	210	200		<b>500</b>	<b>500</b>
Unit 4	210	200	<b>Cent Sect</b>		
Unit 5	210	200	Share	3143	3514
	<b>870</b>	<b>790</b>		<b>3143</b>	<b>3514</b>
<b>Uran</b>					
All Units	852	550			
	<b>852</b>	<b>550</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>					