



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

# **State Load Dispatch Center, Airoli**

## **Daily system Report**

**for**

**10/Mar/2009**

**State Load Dispatch Center, Airoli (MSETCL)**  
**Daily system Report for 10/Mar/2009 TUESDAY**

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	127.550	1202.492	1) Madhya Pradesh	63.660	649.214
2) Hydro	12.865	208.240	2) Gujrat	23.875	180.308
3) Gas	10.174	126.085	3) Goa	-5.979	-61.564
<b>Total MSGENCO</b>	<b>150.589</b>	<b>1536.817</b>	4) TAPS 1&2 (Inj.)	6.452	62.888
<b>B) OTHERS</b>			5) Pench (Excess)	-0.061	-1.067
1) RGPPL Gas	7.481	96.488	<b># Total Cent. Sector</b>	<b>87.947</b>	<b>829.779</b>
2) Wind Generation	3.322	39.270	<b>F) Other Exchanges</b>		
3) PENCH (MS)	0.061	1.067	1) With TPCL	-0.638	-20.131
<b>C) TPCL &amp; REL</b>			<b>G) Bilateral Power *</b>		
1) TPCL Thermal	29.441	290.165	1) MSEDCL Bilateral	9.322	76.399
2) TPCL Hydro	3.790	29.248	Include PX	1.852	17.995
<b>TOTAL TPCL</b>	<b>33.231</b>	<b>319.413</b>	2) MUMBAI Bilateral	1.804	35.635
3) REL Thermal	12.696	126.687	Include PX	0.000	7.973
<b>D) STATE</b>			3) MUMBAI Schedule	1.804	37.435
1) Thermal (A1+C1+C3)	169.687	1619.344	<b>H) ENERGY CATERED (MUs)</b>		
2) Hydro (A2+B3+C2)	16.716	238.555	1) MSEDCL	248.762	2484.357
3) Gas (A3+B1)	17.655	222.573	2) TPCL	31.169	316.856
4) Wind (B2)	3.322	39.270	3) REL	15.494	156.426
<b>TOTAL STATE</b>	<b>207.380</b>	<b>2119.742</b>	<b>TOTAL STATE</b>	<b>295.425</b>	<b>2957.639</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	5211	5589	5217
MSGENCO Hydro	377	840	125
MSGENCO Gas	473	365	443
<b>MSGENCO Total Generation</b>	<b>6061</b>	<b>6794</b>	<b>5785</b>
Central Sector Receipt	3787	3809	3070
RGPPL	306	321	314
WIND	202	89	118
Exchange with TPCL	21	-30	139
<b>MSEDCL DEMAND MET</b>	<b>10377</b>	<b>11006</b>	<b>9426</b>
Load Shedding	4064	3826	2086
<b>MSEDCL DEMAND (INCL. LS)</b>	<b>14441</b>	<b>14832</b>	<b>11512</b>
TPCL GENERATION	1421	1545	1214
REL GENERATION	529	531	530
<b>TPCL+REL DEMAND</b>	<b>1929</b>	<b>2106</b>	<b>1605</b>
<b>STATE DEMAND MET</b>	<b>12306</b>	<b>13112</b>	<b>11031</b>
<b>STATE DEMAND (INCL. LS)</b>	<b>16370</b>	<b>16938</b>	<b>13117</b>
Frequency (Hz)	49.33	49.61	49.57
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4866 MW at 14.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			94.25 Mus.

**FREQUENCY PARTICULARS**

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.16 Hz at 18.03 Hrs	48.9 Hz at 11.13 Hrs	49.48	.46 % 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 10/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	1.81	29.44	216	0	320
Unit 1	0.00	8.07	0	0	0		<b>9.05</b>	<b>170.23</b>			<b>1170</b>
Unit 2	1.58	16.52	79	47	61	<b>Hydro</b>					
Unit 3	1.40	11.08	76	47	55	KDPH	0.90	4.10	38	37	36
Unit 4	1.50	9.76	81	36	60	VTRNA	0.41	7.59	61	0	60
Unit 5	3.43	37.73	168	94	125	TILLARI	0.46	3.98	60	0	60
Unit 6	3.46	14.15	164	114	117	BHTGR/VEER	0.98	7.58	41	41	32
Unit 7	2.18	36.07	170	0	0	BHIRA T.R.	0.14	1.32	58	0	80
	<b>13.56</b>	<b>133.38</b>			<b>418</b>	RNGR+BHTSA	0.30	3.24	13	12	13
<b>Bhusawal</b>						BHANDARDRA	0.00	6.42	0	0	32
Unit 1	0.60	9.35	29	20	25	ELDARY	0.00	1.14	0	0	0
Unit 2	4.41	44.37	192	160	185	PAITHAN	0.00	0.00	0	0	0
Unit 3	4.56	46.26	196	178	195	GHATGHAR	0.62	2.64	120	0	0
	<b>9.57</b>	<b>99.98</b>			<b>405</b>		<b>3.82</b>	<b>38.01</b>			<b>313</b>
<b>Parli</b>						<b>PENCH (MS)</b>					
Unit 1	0.54	5.11	24	20	20	Pench (MS)	0.06	1.07	24	0	
Unit 2	0.58	5.70	26	20	20		<b>0.06</b>	<b>1.07</b>			
Unit 3	3.58	33.66	174	124	150	<b>Wind</b>					
Unit 4	3.77	11.50	169	146	150	MalharPeth	0.12	1.44			
Unit 5	2.96	27.26	174	-1	150	Vankuswadi	0.40	3.56			
Unit 6	5.94	53.70	256	235	245	ATIT	0.08	0.63			
	<b>17.37</b>	<b>136.93</b>			<b>735</b>	Kale	0.13	1.04			
<b>Chandrapur</b>						Satara	0.15	1.36			
Unit 1	4.08	41.01	178	148	170	Shirala	0.11	1.41			
Unit 2	4.05	41.19	172	161	165	K Mahankal	0.05	0.36			
Unit 3	4.52	48.96	212	135	210	Supa	0.17	1.47			
Unit 4	4.23	32.37	207	108	210	Vita	1.16	9.08			
Unit 5	10.40	75.54	468	379	450	Dondaicha	0.07	11.53			
Unit 6	10.23	82.67	458	377	400	Sakri	0.03	1.90			
Unit 7	10.87	104.00	482	426	450	Nandurbar	0.01	1.55			
	<b>48.38</b>	<b>425.75</b>			<b>2055</b>	Khadakale	0.74	3.50			
<b>Paras</b>						Khaparale	0.08	0.44			
Unit 2	1.13	10.81	52	34	45		<b>3.32</b>	<b>39.27</b>			
Unit 3	0.26	43.03	117	-2	0	<b>Dabhol</b>					
	<b>1.38</b>	<b>53.84</b>			<b>45</b>	RGPPPL II	7.48	96.49	332	290	300
<b>Khaparkheda</b>						RGPPPL III	0.00	0.00	0	0	
Unit 1	4.87	34.65	210	198	200		<b>7.48</b>	<b>96.49</b>			<b>300</b>
Unit 2	4.64	46.23	203	182	200	<b>Tata</b>					
Unit 3	5.08	49.42	213	208	210	Trombay 4	2.81	25.08	135	100	120
Unit 4	5.05	39.72	214	204	210	Trombay 5	12.12	121.18	505	505	515
	<b>19.64</b>	<b>170.02</b>			<b>820</b>	Trombay 6	12.24	121.91	510	510	515
<b>Nasik</b>						Trombay 7A	2.27	21.99	105	90	120
Unit 1	2.28	16.75	97	92	90	Trombay 7B	0.00	0.00	0	0	0
Unit 2	2.25	22.60	96	90	90	TATA Hydro	3.79	29.25	308	2	297
Unit 3	4.44	48.20	188	182	180		<b>33.23</b>	<b>319.41</b>			<b>1567</b>
Unit 4	4.36	47.78	187	172	180	<b>REL</b>					
Unit 5	4.32	47.28	187	175	180	1&2	12.70	126.69	531	526	500
	<b>17.66</b>	<b>182.60</b>			<b>720</b>		<b>12.70</b>	<b>126.69</b>			<b>500</b>
<b>Uran</b>						<b>Cent Sect</b>					
All Units	10.17	126.08	509	357	350	Share					3019
	<b>10.17</b>	<b>126.08</b>			<b>350</b>						<b>3019</b>
<b>Koyna</b>						<b>MS PG CL</b>					
Stage 1-2	2.47	32.80	215	35	600	Thermal	127.55	1202.49			5198
Stage 4	4.77	107.98	453	0	250	Thml+Gas	137.72	1328.58			5548
	<b>7.24</b>	<b>140.79</b>			<b>850</b>	Hydro	12.86	208.24			1483
<b>Koyna 12&amp;4 Total</b>						Total	150.59	1536.82			7031
						State Total	207.38	2119.74			12417

# State Load Dispatch Center, Airoli (MSETCL)

## Hourly Load Data As on 10/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	5184	575	416	6175	311	103	2902	3017	1	35	9641	2068	11709	1710	13419	49.37
2	5217	125	443	5785	314	118	2803	3070	101	139	9426	2086	11512	1605	13117	49.57
3	5105	210	460	5775	311	127	2766	3095	138	181	9489	2112	11601	1562	13163	49.32
4	5073	465	460	5998	311	150	2774	3067	172	214	9740	2047	11787	1531	13318	49.36
5	5081	571	461	6113	312	161	2730	2889	219	260	9735	2440	12175	1484	13659	49.33
6	5143	647	464	6254	313	209	2884	3108	134	168	10052	2674	12726	1575	14301	49.40
7	5227	234	489	5950	313	252	2926	3044	56	85	9644	3688	13332	1657	14989	49.60
8	5301	192	509	6002	313	251	3387	3288	-5	22	9876	3894	13770	1722	15492	49.55
9	5256	248	501	6005	311	235	3468	3590	-43	-18	10123	3968	14091	1845	15936	49.41
10	5211	377	473	6061	306	202	3609	3787	-124	21	10377	4064	14441	1929	16370	49.33
11	5151	554	456	6161	303	243	3655	3921	-139	-114	10514	3639	14153	2177	16330	49.25
12	5154	609	443	6206	296	176	3785	4164	-249	-201	10641	3654	14295	2271	16566	49.23
13	5193	720	413	6326	290	115	3863	4391	-274	-223	10899	3552	14451	2287	16738	49.22
14	5274	613	407	6294	300	85	3863	4458	-214	-167	10970	3546	14516	2216	16732	49.51
15	5317	831	405	6553	301	62	3853	4259	-214	-172	11003	3453	14456	2226	16682	49.54
16	5305	817	403	6525	301	68	3847	4073	-199	-155	10812	3607	14419	2225	16644	49.51
17	5364	804	404	6572	302	78	3852	4130	-194	-154	10928	3565	14493	2229	16722	49.50
18	5534	702	372	6608	305	78	3869	4185	-162	-108	11068	3379	14447	2156	16603	49.76
19	5564	618	368	6550	322	97	3706	4029	-49	1	11006	3553	14559	2069	16628	49.76
20	5589	840	365	6794	321	89	3360	3809	-91	-30	11006	3826	14832	2106	16938	49.61
21	5593	713	358	6664	331	101	3463	3923	-190	-125	10918	3397	14315	2180	16495	49.68
22	5552	662	357	6571	332	126	3304	3720	-170	-109	10647	3400	14047	2014	16061	49.65
23	5548	490	371	6409	331	99	3382	3728	-254	-198	10369	3247	13616	2001	15617	49.57
24	5508	248	374	6130	331	100	3200	3563	-53	10	10134	2686	12820	1788	14608	49.56
<b>MUs</b>	<b>127.44</b>	<b>12.86</b>	<b>10.17</b>	<b>150.48</b>	<b>7.48</b>	<b>3.32</b>	<b>81.25</b>	<b>88.31</b>	<b>-1.80</b>	<b>-0.64</b>	<b>249.02</b>	<b>77.54</b>	<b>326.56</b>	<b>46.56</b>	<b>373.13</b>	<b>49.48</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 10/Mar/2009**

Position as on 6.30 Hrs of 11/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	30/03/2009
Paras Unit 3	250	10/03/2009	02.03		Continued.	PG Test	20/03/2009
<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	30/03/2009
Tata Trombay 7B	60	21/02/2009	03:58		Continued.	Stator Winding Prob.	16/03/2009
Koradi Unit 1	105	06/03/2009	10:52		Continued.	Boiler Tube Leakage	24/03/2009
Uran Unit 5	108	07/03/2009	16:05	11/03/2009	09:09	Gas Restriction	
Parli Unit 5	210	08/03/2009	06.45	10/03/2009	02.45	Boiler Tube Leakage	
Cent_Sect NTPC(V-4)	210	08/03/2009	23:00	10/03/2009	09.02	Boiler Tube Leakage	
Cent_Sect sipat-5	500	09/03/2009	03:13	10/03/2009	07.06	Boiler Tube Leakage	
Dabhol 1X	290	09/03/2009	14.32	11/03/2009	00.17	Gas Restriction	
Dabhol 1A	230	09/03/2009	14.33	10/03/2009	17.56	Gas Restriction	
Koradi Unit 7	210	10/03/2009	03.03	10/03/2009	11.05	Loss of Fuel	
Cent_Sect TARAPUR-4	540	11/03/2009	21.04		Continued.	Re Water Leakage.	13/03/2009

**State Load Dispatch Center,Airoli (MSETCL)**  
**Details of Line outages/Trippings for 10/Mar/2009**

Position as on 6.30 Hrs of 11/Mar/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
<b>InterState</b>					
<b>Voltage Level : 400KV</b>			<b>Outage Type HAND TRIPPED</b>		
DHULE-SAR'SAROVAR-I	11/03/2009	07.30		Continued.	H/T For Outage.
<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.
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
400/220 Kv ICT 2 at Nagothane	10/03/2009	10.10	10/03/2009	18.15	R.M. Work
400/220 KV 315 MVA ICT-II DHULE	11/03/2009	09.18	11/03/2009	11.11	Repl. of Y ph OLTC Conservation Oil level indicator & Oil Topup.
<b>Voltage Level : 220KV</b>			<b>Outage Type PLANNED OUTAGE</b>		
Mudsingi-Karad II	10/03/2009	08.30	10/03/2009	16.22	CT replacement
Apta-Taloja	10/03/2009	11.45	10/03/2009	12.00	Isolator work.
Vita - Karkambh	11/03/2009	11.40	11/03/2009	17.55	Testing Work
<b>Voltage Level : 220KV</b>			<b>Outage Type HAND TRIPPED</b>		
Ambazari-Wardha	09/03/2009	18.37	10/03/2009	08.10	H/T for controlling Koradi ICT Loading.
<b>Voltage Level : 400KV</b>			<b>Outage Type TRIPPED</b>		
LONIKHAND-PARLY-I	10/03/2009	13.32	10/03/2009	13.37	Tripped at Lonikand end only.
Dhule - Babhaleshwar - I	11/03/2009	11.12	11/03/2009	11.25	Tripped at Dhule end only
KARAD-KOLHAPUR-II	11/03/2009	18.03	11/03/2009	19.02	Tripped on O/V at Karad end only. H/T at Kolhapur end.
<b>Voltage Level : 220KV</b>			<b>Outage Type TRIPPED</b>		
Baramati-Kurkumbh	10/03/2009	01.10	10/03/2009	11.40	'D' Caping

# State Load Dispatch Center, Airoli (MSETCL)

## Details of On Line Capacity for 11/Mar/2009

Generating unit	Derated Capacity (MW)	OLC (MW)	Generating unit	Derated Capacity (MW)	OLC (MW)
<b>Koradi</b>			KDPH	40	36
Unit 1	105	0	VTRNA	60	60
Unit 2	105	75	TILLARI	60	60
Unit 3	105	75	BHTGR/VEER	21	40
Unit 4	105	75	BHIRA T.R.	80	80
Unit 5	200	160	RNGR+BHTSA	20	13
Unit 6	210	160	BHANDARDRA	45	0
Unit 7	210	160	ELDARY	23	0
	<b>1040</b>	<b>705</b>	PAITHAN	12	0
<b>Bhusawal</b>			GHATGHAR	250	0
Unit 1	58	25		<b>611</b>	<b>289</b>
Unit 2	210	185	<b>PENCH (MS)</b>		
Unit 3	210	190	Pench (MS)	53	
	<b>478</b>	<b>400</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	145	ATIT	0	
Unit 4	210	145	Kale	0	
Unit 5	210	145	Satara	0	
Unit 6	250	250	Shirala	0	
	<b>940</b>	<b>725</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	210	Nandurbar	0	
Unit 5	500	450	Khadakale	0	
Unit 6	500	400	Khaparale	0	
Unit 7	500	475		<b>0</b>	
	<b>2340</b>	<b>2085</b>	<b>Dabhol</b>		
<b>Paras</b>			RGPPL II	740	300
Unit 2	55	40	RGPPL III	740	
Unit 3	250	0		<b>1480</b>	<b>300</b>
	<b>305</b>	<b>40</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	210	Trombay 7A	120	120
Unit 4	210	210	Trombay 7B	60	0
	<b>840</b>	<b>820</b>	TATA Hydro	444	297
<b>Nasik</b>				<b>1774</b>	<b>1567</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	3046
	<b>870</b>	<b>790</b>		<b>3143</b>	<b>3046</b>
<b>Uran</b>					
All Units	852	450			
	<b>852</b>	<b>450</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>					
				<b>17146</b>	<b>12887</b>