



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

# **State Load Dispatch Center, Airoli**

**Daily system Report**

**for**

**18/Jun/2011**

**State Load Dispatch Center, Airoli (MSETCL)**  
**Daily system Report for 18/Jun/2011 SATURDAY**

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	107.366	1997.667	1) Madhya Pradesh	62.264	1066.151
2) Hydro	5.550	147.719	2) Gujrat	1.647	137.122
3) Gas	6.139	187.546	3) Goa	-5.863	-109.789
<b>Total MSGENCO</b>	<b>119.055</b>	<b>2332.932</b>	4) TAPS 1&2 (Inj.)	7.864	141.415
<b>B) OTHERS</b>			5) Pench (Excess)	-0.738	-10.608
1) RGPPL Gas	37.708	650.485	<b># Total Cent. Sector</b>	<b>65.174</b>	<b>1224.291</b>
2) Wind Generation	27.374	261.127	<b>F) Other Exchanges</b>		
3) CPP	27.551	473.216	1) With TPCL (Excess)	-12.041	-185.369
4) PENCH (MS)	0.738	10.608	<b>G) Bilateral Power *</b>		
<b>C) TPCL &amp; REL</b>			1) MSEDCL Bilateral	15.121	319.171
1) TPCL Thermal	25.851	498.266	Include PX	0.000	0.000
2) TPCL Hydro	3.968	70.795	2) MUMBAI Bilateral	12.218	199.541
<b>TOTAL TPCL</b>	<b>29.819</b>	<b>569.061</b>	Include PX	-0.448	-17.912
3) REL Thermal	12.213	213.612	3) MUMBAI Schedule	12.218	199.541
<b>D) STATE</b>			<b>H) ENERGY CATERED (MUs)</b>		
1) Thermal (A1+C1+C3)	145.430	2709.545	1) MSEDCL	265.559	4767.290
2) Hydro (A2+B3+C2)	10.256	229.122	2) TPCL	35.869	642.884
3) Gas (A3+B1)	43.847	838.031	3) REL	18.203	325.155
4) Wind (B2)	27.374	261.127	<b>TOTAL STATE</b>	<b>319.631</b>	<b>5735.329</b>
5) CPP (B3)	27.551	473.216			
<b>TOTAL STATE</b>	<b>254.458</b>	<b>4511.041</b>			

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

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	4491	4384	4444
MSGENCO Hydro	177	772	79
MSGENCO Gas	237	341	243
<b>MSGENCO Total Generation</b>	<b>4905</b>	<b>5497</b>	<b>4766</b>
<b>Central Sector Receipt</b>	<b>2750</b>	<b>3072</b>	<b>2386</b>
<b>RGPPL</b>	<b>1590</b>	<b>1605</b>	<b>1493</b>
<b>WIND</b>	<b>1363</b>	<b>1079</b>	<b>921</b>
<b>CPP</b>	<b>1155</b>	<b>1174</b>	<b>1093</b>
<b>Exchange with Mumbai</b>	<b>-621</b>	<b>-632</b>	<b>-314</b>
<b>MSEDCL DEMAND MET</b>	<b>11189</b>	<b>11818</b>	<b>10394</b>
<b>Load Shedding (LS)</b>	<b>46</b>	<b>70</b>	<b>46</b>
<b>MSEDCL DEMAND (INCL. LS)</b>	<b>11235</b>	<b>11888</b>	<b>10440</b>
<b>TPCL GENERATION</b>	<b>1622</b>	<b>1328</b>	<b>872</b>
<b>REL GENERATION</b>	<b>523</b>	<b>523</b>	<b>425</b>
<b>TPCL+REL DEMAND</b>	<b>2766</b>	<b>2483</b>	<b>1611</b>
<b>STATE DEMAND MET</b>	<b>13955</b>	<b>14301</b>	<b>12005</b>
<b>Load Management (LM)</b>	<b>1376</b>	<b>1519</b>	<b>0</b>
<b>Total Load Relief (LS+LM)</b>	<b>1422</b>	<b>1589</b>	<b>46</b>
<b>UNRESTRICTED STATE DEMAND</b>	<b>15377</b>	<b>15890</b>	<b>12051</b>
<b>Frequency (Hz)</b>	<b>49.88</b>	<b>49.80</b>	<b>50.23</b>

**FREQUENCY PARTICULARS**

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
<b>50.51 Hz at 04.04 Hrs</b>	<b>49.28 Hz at 20.09 Hrs</b>	<b>50.01</b>	<b>0 % of Time(min)</b>

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

Shift Engineer

Shift Incharge

# State Load Dispatch Center,Airoli (MSETCL)

## Daily and Progressive Generation,Maximum,Minimum,OLC Details for 18/Jun/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.29	56.65	174	0	165
Unit 6	3.68	71.63	188	139	155
Unit 7	4.24	66.32	190	150	190
	11.22	194.60			510
Bhusawal					
Unit 2	3.96	60.97	170	155	160
Unit 3	4.07	73.95	185	150	190
Unit 4		0.00	0	0	
	8.03	134.92			350
Parli					
Unit 3	3.13	41.55	143	83	135
Unit 4	2.97	44.52	166	92	120
Unit 5	2.93	46.82	135	103	135
Unit 6	0.00	53.52	0	0	0
Unit 7	0.00	39.90	0	0	0
	9.03	226.31			390
Chandrapur					
Unit 1	3.81	49.92	165	153	155
Unit 2	3.33	62.15	145	133	130
Unit 3	4.02	49.66	192	119	180
Unit 4	3.88	59.32	178	135	180
Unit 5	8.34	157.85	395	290	325
Unit 6	7.64	158.67	335	305	325
Unit 7	7.90	161.46	351	315	350
	38.93	699.03			1645
Paras					
Unit 3	4.85	85.48	220	186	210
Unit 4	5.57	84.64	252	200	225
	10.42	170.11			435
Khaparkheda					
Unit 1	3.54	81.24	175	110	150
Unit 2	3.68	76.50	186	124	150
Unit 3	3.47	75.74	176	122	130
Unit 4	3.44	90.46	198	85	140
Unit 5		0.00	0	0	
	14.13	323.94			570
Nasik					
Unit 1	1.89	32.83	92	49	81
Unit 2	2.04	28.58	93	77	81
Unit 3	4.06	62.32	185	150	182
Unit 4	3.84	56.62	178	123	162
Unit 5	3.78	68.39	177	139	162
	15.62	248.74			668
Uran					
All Units	6.14	187.55	348	237	240
	6.14	187.55			240
Dabhol					
RGPPL	37.71	650.48	1615	1492	1590
	37.71	650.48			1590
Koyna					
Stage 1-2	1.32	41.88	305	35	600
Stage 4	0.00	35.48	0	0	250
Stage 3	0.99	20.78	240	0	320
	2.31	98.14			1170
Kovna 12&4 Total	1.32	77.36			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.00	1.77	0	0	0
VTRNA	1.01	11.25	61	0	60
TILLARI	0.00	0.00	0	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.41	5.64	41	0	40
RNGR+BHTSA	0.02	3.87	1	1	10
BHANDARDRA	0.55	10.27	23	22	20
ELDARY	0.00	0.00	0	0	0
SMLHY_PTN	0.31	4.54	20	10	9
GHATGHAR	0.94	12.24	250	0	0
	3.24	49.58			139
PENCH (MS)					
Pench (MS)	0.74	10.61	50	0	
	0.74	10.61			
Wind					
MalharPeth	0.78	8.00			
Vankuswadi	1.58	20.02			
ATIT	0.34	8.30			
Kale	0.93	8.35			
Satara	0.66	22.33			
Shirala	0.93	8.43			
K Mahankal	3.67	17.77			
Supa	0.37	4.27			
Vita	4.49	53.82			
Dondaicha	8.46	64.56			
Sakri	1.22	9.51			
Nandurbar	0.87	7.46			
Khandke	1.74	18.88			
Khaparale	1.32	9.43			
	27.37	261.13			
CPP					
JSW_JAIGAD	15.13	267.37	677	538	725
WARDHA	7.83	139.19	339	316	332
Other_CPPs	4.60	66.66			
	27.55	473.22			1057
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.29	201.24	490	380	500
Trombay 6	5.16	120.88	340	150	500
Trombay 7A	2.85	51.27	120	117	120
Trombay 7B	1.59	28.47	67	65	60
Trombay 8	4.97	96.40	250	155	250
TATA Hydro	3.97	70.80	369	0	447
	29.82	569.06			1877
REL					
1&2	12.21	213.61	525	425	500
	12.21	213.61			500
Cent_Sect					
Share					3122
					3122

MS PG CL	Thermal	107.37	1997.67		4568
	Thml+Gas	113.50	2185.21		4808
	Hydro	5.55	147.72		1309
	Total	119.06	2332.93		6117
State Total		254.46	4511.04		14263

# State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 18/Jun/2011

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	# LOAD RELEIF (LS+LM)	MSEDCL DEMAN D WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS+LM	FREQ. (Hz)
	THM	HY	GAS														
1	4527	78	245	4850	1615	1207	1093	2918	2224	-339	-484	10554	1097	10600	1997	13648	50.01
2	4549	73	242	4864	1498	1238	1087	2817	2320	-196	-386	10670	46	10716	1840	12556	50.05
3	4538	73	241	4852	1492	1238	1109	2869	2261	-196	-302	10699	46	10745	1719	12464	50.19
4	4525	78	240	4843	1493	1036	1099	2836	2160	-196	-303	10375	46	10421	1642	12063	50.32
5	4444	79	243	4766	1493	921	1093	2781	2386	-196	-314	10394	46	10440	1611	12051	50.23
6	4447	75	241	4763	1493	716	1132	2781	2876	-456	-350	10680	46	10726	1680	12406	50.12
7	4510	85	240	4835	1501	777	1169	2868	3186	-320	-265	11253	46	11299	1723	13022	50.11
8	4473	150	240	4863	1513	874	1158	2897	2996	-320	-336	11118	306	11164	1825	13249	50.04
9	4535	186	241	4962	1602	1080	1166	2963	2879	-416	-404	11305	591	11351	2090	13986	49.97
10	4452	186	242	4880	1600	1309	1160	3072	2679	-415	-511	11137	797	11183	2467	14401	50.00
11	4479	190	240	4909	1597	1256	1165	3315	2754	-646	-635	11096	1382	11142	2695	15173	49.99
12	4491	177	237	4905	1590	1363	1155	3352	2750	-646	-621	11189	1422	11235	2766	15377	49.88
13	4415	176	239	4830	1588	1333	1148	3368	2462	-736	-625	10761	1427	10811	2768	14956	49.89
14	4422	130	238	4790	1592	1244	1166	3352	2685	-646	-587	10901	1426	10950	2679	15006	50.03
15	4419	251	237	4907	1592	1381	1201	3341	2573	-837	-611	11055	1423	11101	2698	15176	49.91
16	4351	348	244	4943	1598	1283	1161	3257	2583	-646	-588	11005	1372	11051	2633	15010	49.91
17	4422	381	244	5047	1604	1324	1178	3205	2703	-646	-490	11379	1228	11449	2542	15149	49.99
18	4530	302	242	5074	1607	1065	1189	3321	2570	-642	-506	10999	70	11069	2507	13576	50.01
19	4529	266	348	5143	1608	1283	1179	3171	2646	-637	-503	11356	70	11426	2432	13858	50.02
20	4514	413	340	5267	1606	1134	1168	3141	3364	-585	-561	12003	900	12073	2468	15371	49.87
21	4384	772	341	5497	1605	1079	1174	3204	3072	-651	-632	11818	1589	11888	2483	15890	49.80
22	4464	476	298	5238	1609	1092	1174	3186	3331	-646	-657	11812	1589	11882	2367	15768	49.92
23	4460	345	238	5043	1611	1120	1159	3125	3027	-618	-693	11292	1589	11362	2255	15136	49.98
24	4485	260	238	4983	1601	1021	1068	3015	2690	-585	-677	10710	1499	10780	2186	14395	49.97
MUs	107.36	5.55	6.14	119.05	37.71	27.37	27.55	74.16	65.18	-12.22	-12.04	265.56	20.05	266.86	54.07	339.69	50.01

NOTE : ALL VALUES IN MW

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

**State Load Dispatch Center,Airoli (MSETCL)**  
**Details of Generating Unit Outages/Trippings for 18/Jun/2011**

Position as on 6.30 Hrs of 19/Jun/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
<b>PLANNED OUTAGE</b>							
Dabhol 1A	230	20/05/2011	13.22		Continued.	Rotor replacement.	20/07/2011
Parli Unit 6	250	16/06/2011	05.50		Continued.	Annual Overhaul	15/07/2011
<b>FORCED OUTAGE</b>							
Cent_Sect TARAPUR-4	540	30/05/2011	20.00		Continued.	Survillence Test	24/06/2011
Uran Unit 8	108	06/06/2011	23.12		Continued.	Bus Bar Protection operated,as Y-Ph BKR pole of Uran U-5 burst.	
Uran Unit 7	108	16/06/2011	01.03	18/06/2011	18.52	R.M.Work	
Uran Unit B0	120	16/06/2011	01.03		Continued.	R/M work	20/06/2011
Parli Unit 7	250	16/06/2011	19.12		Continued.	No Coal Flow(Conveyor Belt Broken)	20/06/2011
Koradi Unit 5	200	18/06/2011	20.10	19/06/2011	00.03	Low Drum Level.	
Uran Unit 7	108	18/06/2011	22.39	19/06/2011	06.24	Fire At Boiler Duct.	
CPP JSW (J) U2	300	19/06/2011	00.13		Continued.	C W Line Leakage.	20/06/2011
Bhusawal Unit 3	210	19/06/2011	06.58	19/06/2011	08.47	Drum level low.	

**State Load Dispatch Center, Airoli (MSETCL)**  
**Details of Line outages/Trippings for 18/Jun/2011**

Position as on 6.30 Hrs of 19/Jun/2011

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 - I	03/06/2011	00.17	19/06/2011	09.47	Over Voltage.
Kolhapur - Mapusa - I	15/06/2011	22.31	18/06/2011	12.56	Over Voltage
Dhule-Sar'Sarovar - I	16/06/2011	03.42	18/06/2011	07.50	Over Voltage
Dhule-Sar'Sarovar - II	18/06/2011	03.52		Continued.	Over Voltage.
Kolhapur - Mapusa - II	18/06/2011	13.08		Continued.	Over Voltage.
Akola - Wardha - II	19/06/2011	22.51		Continued.	Over Voltage.
<b>IntraState</b>					
<b>Voltage Level : 500KV</b>			<b>Outage Type PLANNED OUTAGE</b>		
HVDC POLE - II	18/06/2011	16.19	18/06/2011	20.45	D C Fault Analiser Testing.
<b>Voltage Level : 400KV</b>			<b>Outage Type PLANNED OUTAGE</b>		
50 MVAR Line Reactor on 400 KV Parli - II.	17/06/2011	13.10		Continued.	Oil Filtration Work.
Main Bus - I @ Kharghar	18/06/2011	11.05	18/06/2011	16.55	Main Bus-I Allinment.
New Koyana - Stage IV	18/06/2011	16.32	18/06/2011	16.52	SF-6 Gas Filling Work.
400/220KV,500MVA ICT-III At Kalwa.	19/06/2011	08.05	19/06/2011	17.49	Isolator jumpering work.
<b>Voltage Level : 220KV</b>			<b>Outage Type PLANNED OUTAGE</b>		
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C(6 MonthOutage.)
Borivali-Mulund	17/05/2011	12.28		Continued.	Cable Termination work of 220KV Bhandup GIS Up to 20-06-2011.
220/132KV 200MVA ICT-II at Lonand	16/06/2011	08.47		Continued.	Red Hot Spot(Kept on Huming since 16.06.2011)
Malegaon-Satana	18/06/2011	09.38	18/06/2011	12.02	Q.M.Work.
Babaleshwar - Babaleshwar - II	18/06/2011	09.51	18/06/2011	16.30	Q.M.Work.
Reymond-OCR Nasik	18/06/2011	10.09	18/06/2011	15.35	Isolator Allinment Work.
Nagothane - SPCL	18/06/2011	10.45	18/06/2011	16.44	Attending Hot Spot.
Wadkhal-IPCL-II	18/06/2011	11.02	18/06/2011	12.48	Maintenance Work.
Wadkhal-IPCL I	18/06/2011	12.52	18/06/2011	17.40	Maintenance Work.
Kharghar-Nerul	19/06/2011	10.56	19/06/2011	17.34	R.M.Work.
<b>Voltage Level : 400KV</b>			<b>Outage Type HAND TRIPPED</b>		
Karad - Kolhapur - I	10/06/2011	12.12		Continued.	Over Voltage.
Bhusawal- Aurangabad	17/06/2011	18.23	18/06/2011	05.48	Over Voltage.
Lonikand- Koyana Stage IV	17/06/2011	21.58	18/06/2011	06.27	Over Voltage.
Bhusawal- Aurangabad	18/06/2011	21.50	19/06/2011	05.50	Over Voltage.
Lonikand- Koyana Stage IV	19/06/2011	00.52	19/06/2011	07.28	Over Voltage.
Bhusawal- Aurangabad	19/06/2011	18.33		Continued.	Over Voltage.
<b>Voltage Level : 220KV</b>			<b>Outage Type HAND TRIPPED</b>		
Bus Coupler @ WPCL	07/06/2011	17.22		Continued.	As being normally kept open.
Bale-Usmanabad	11/06/2011	16.01		Continued.	To Control Parly ICT Loading.
Babaleshwar - Bhenda	14/06/2011	08.25		Continued.	To control BBLSR ICT loading.
Murud-Bale	19/06/2011	15.33		Continued.	At Bale end,To control Parli ICT loading.
<b>Voltage Level : 132KV</b>			<b>Outage Type HAND TRIPPED</b>		

**State Load Dispatch Center,Airoli (MSETCL)**  
**Details of Line outages/Trippings for 18/Jun/2011**

Position as on 6.30 Hrs of 19/Jun/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Supa - Shirur	07/03/2011	15.15		Continued.	To control Lonikand ICT Load
<b>Voltage Level : 220KV</b>			<b>Outage Type TRIPPED</b>		
220/100KV 200MVA ICT-III at Kalwa	03/04/2011	16.00		Continued.	Buchholz Trip,Diff.Prot.operated,PRV tripped( Failed).
220/110KV 200MVA ICT-II at Mudshingi	10/04/2011	18.10		Continued.	Differential Protection, Defective B Phase LA replaced(Kept on Humming at 16.30Hrs on 18/4/11)
220/132 KV 150 MVA ICT @ Bhandara	14/06/2011	21.31		Continued.	OLTC buchholz protection operated.
Murud-Bale	18/06/2011	05.11	19/06/2011	15.33	Charged at Murud End.
Dhule-Dondaicha-II	18/06/2011	14.04	18/06/2011	21.27	Distance Protection Operated.
New Koyna-Pophali	19/06/2011	04.46	19/06/2011	18.10	Distance Protection.
220 KV Bus Coupler @ New Koyna	19/06/2011	04.46	19/06/2011	05.56	Over Current Earth Fault.
220/100KV 125 MVA ICT-I @ Kalwa	19/06/2011	13.45		Continued.	Buchholz.

# State Load Dispatch Center,Airoli (MSETCL)

## Details of On Line Capacity for 19/Jun/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
<b>Koradi</b>		
Unit 5	200	165
Unit 6	210	165
Unit 7	210	185
	<b>620</b>	<b>515</b>
<b>Bhusawal</b>		
Unit 2	210	170
Unit 3	210	170
Unit 4	0	
	<b>420</b>	<b>340</b>
<b>Parli</b>		
Unit 3	210	133
Unit 4	210	113
Unit 5	210	124
Unit 6	250	0
Unit 7	250	0
	<b>1130</b>	<b>370</b>
<b>Chandrapur</b>		
Unit 1	210	160
Unit 2	210	140
Unit 3	210	150
Unit 4	210	160
Unit 5	500	350
Unit 6	500	380
Unit 7	500	400
	<b>2340</b>	<b>1740</b>
<b>Paras</b>		
Unit 3	250	120
Unit 4	250	230
	<b>500</b>	<b>350</b>
<b>Khaparkheda</b>		
Unit 1	210	170
Unit 2	210	160
Unit 3	210	160
Unit 4	210	160
Unit 5	0	
	<b>840</b>	<b>650</b>
<b>Nasik</b>		
Unit 1	120	90
Unit 2	120	90
Unit 3	210	200
Unit 4	210	180
Unit 5	210	180
	<b>870</b>	<b>740</b>
<b>Uran</b>		
All Units	852	240
	<b>852</b>	<b>240</b>
<b>Dabhol</b>		
RGPP	1940	1590
	<b>1940</b>	<b>1590</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>		
KDPH	40	0

Generating unit	Derated Capacity (MW)	OLC (MW)
VTRNA	60	61
TILLARI	60	0
BHTGR/VEER	21	0
BHIRA T.R.	80	41
RNGR+BHTSA	20	0
BHANDARDRA	45	14
ELDARY	23	0
SMLHY_PTN	12	20
GHATGHAR	250	0
	<b>611</b>	<b>136</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>		
JSW_JAIGAD	600	495
WARDHA	405	360
Other CPPs	0	
	<b>1005</b>	<b>855</b>
<b>Tata</b>		
Trombay 4	150	0
Trombay 5	500	490
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	<b>2024</b>	<b>1867</b>
<b>REL</b>		
1&2	500	500
	<b>500</b>	<b>500</b>
<b>Cent Sect</b>		
Share	3455	3102
	<b>3455</b>	<b>3102</b>