



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

State Load Dispatch Center, Airoli

Daily system Report

for

03/Jun/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 03/Jun/2011 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	112.444	344.759	1) Madhya Pradesh	46.830	194.657
2) Hydro	3.245	32.151	2) Gujrat	12.692	52.463
3) Gas	14.616	41.623	3) Goa	-5.634	-19.606
Total MSGENCO	130.305	418.533	4) TAPS 1&2 (Inj.)	7.853	23.512
B) OTHERS			5) Pench (Excess)	-0.303	-0.738
1) RGPPL Gas	32.030	86.926	# Total Cent. Sector	61.438	250.288
2) Wind Generation	3.538	21.462	F) Other Exchanges		
3) CPP	29.416	81.027	1) With TPCL (Excess)	-11.456	-39.446
4) PENCH (MS)	0.303	0.738	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	23.587	62.900
1) TPCL Thermal	29.096	89.378	Include PX	0.000	0.000
2) TPCL Hydro	5.277	15.989	2) MUMBAI Bilateral	13.880	40.916
TOTAL TPCL	34.373	105.367	Include PX	2.551	6.759
3) REL Thermal	12.218	37.206	3) MUMBAI Schedule	13.880	40.916
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	153.758	471.343	1) MSEDCL	245.574	819.528
2) Hydro (A2+B3+C2)	8.825	48.878	2) TPCL	38.182	120.119
3) Gas (A3+B1)	46.646	128.549	3) REL	19.863	61.894
4) Wind (B2)	3.538	21.462	TOTAL STATE	303.619	1001.541
5) CPP (B3)	29.416	81.027			
TOTAL STATE	242.183	751.259			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	4605	4733	4711
MSGENCO Hydro	150	275	114
MSGENCO Gas	508	645	643
MSGENCO Total Generation	5263	5653	5468
Central Sector Receipt	3411	2884	1876
RGPPL	1316	1337	1351
WIND	47	216	163
CPP	1283	1158	1251
Exchange with Mumbai	-645	-585	-212
MSEDCL DEMAND MET	10695	10676	9917
Load Shedding (LS)	0	0	0
MSEDCL DEMAND (INCL. LS)	10695	10676	9917
TPCL GENERATION	1809	1590	1037
REL GENERATION	473	521	521
TPCL+REL DEMAND	2927	2696	1770
STATE DEMAND MET	13622	13372	11687
Load Management (LM)	1475	2909	822
Total Load Relief (LS+LM)	1475	2909	822
UNRESTRICTED STATE DEMAND	15097	16281	12509
Frequency (Hz)	49.78	49.86	49.92

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.33 Hz at 06.02 Hrs	49.23 Hz at 14.20 Hrs	49.86	0 % of Time(min)

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

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 03/Jun/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.54	10.98	160	125	155
Unit 6	4.08	11.96	185	160	175
Unit 7	0.00	5.63	0	0	0
	7.62	28.58			330
Bhusawal					
Unit 2	1.45	1.45	170	0	0
Unit 3	4.42	13.18	190	175	185
Unit 4		0.00	0	0	
	5.87	14.64			185
Parli					
Unit 3	3.06	9.02	143	115	135
Unit 4	2.75	9.20	130	92	100
Unit 5	3.30	10.48	152	123	135
Unit 6	4.79	13.30	228	162	185
Unit 7	4.91	12.55	241	170	220
	18.81	54.56			775
Chandrapur					
Unit 1	0.00	1.26	0	0	0
Unit 2	3.71	11.52	168	136	160
Unit 3	0.00	6.68	0	0	0
Unit 4	3.79	11.65	182	80	170
Unit 5	10.65	31.04	460	405	450
Unit 6	10.76	31.04	480	360	425
Unit 7	10.32	31.22	457	365	450
	39.23	124.40			1655
Paras					
Unit 3	5.20	15.61	242	203	230
Unit 4	5.82	16.18	252	233	250
	11.02	31.79			480
Khaparkheda					
Unit 1	4.69	13.94	205	190	210
Unit 2	4.44	11.28	194	180	210
Unit 3	4.57	14.22	214	176	210
Unit 4	5.09	15.26	223	200	210
Unit 5		0.00	0	0	
	18.79	54.70			840
Nasik					
Unit 1	1.86	3.67	87	52	90
Unit 2	0.00	0.87	0	0	0
Unit 3	2.70	10.20	180	0	180
Unit 4	3.18	10.48	170	69	170
Unit 5	3.36	10.89	173	95	170
	11.11	36.10			610
Uran					
All Units	14.62	41.62	657	508	640
	14.62	41.62			640
Dabhol					
RGPPL	32.03	86.93	1355	1304	1250
	32.03	86.93			1250
Koyna					
Stage 1-2	1.16	10.04	100	35	600
Stage 4	0.10	11.70	102	0	250
Stage 3	0.13	4.03	124	0	320
	1.39	25.76			1170
Kovna 12&4 Total	1.26	21.73			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.12	0.86	15	0	16
VTRNA	0.00	0.00	0	0	0
TILLARI	0.00	0.00	0	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.34	1.04	41	0	41
RNGR+BHTSA	0.26	0.77	11	10	0
BHANDARDRA	0.71	2.05	30	29	30
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.43	1.34	25	15	22
GHATGHAR	0.00	0.34	0	0	
	1.86	6.39			109
PENCH (MS)					
Pench (MS)	0.30	0.74	25	0	
	0.30	0.74			
Wind					
MalharPeth	0.07	0.40			
Vankuswadi	0.20	1.20			
ATIT	0.03	0.17			
Kale	0.08	0.48			
Satara	0.06	1.89			
Shirala	0.10	0.46			
K Mahankal	0.43	0.51			
Supa	0.10	0.38			
Vita	0.81	3.51			
Dondaicha	0.81	7.68			
Sakri	0.14	1.25			
Nandurbar	0.15	1.18			
Khandke	0.33	1.23			
Khaparale	0.24	1.10			
	3.54	21.46			
CPP					
JSW JAIGAD	17.41	48.70	751	687	705
WARDHA	6.93	18.96	344	202	330
Other CPPs	5.08	13.36			
	29.42	81.03			1035
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.70	35.22	490	450	490
Trombay 6	7.00	23.94	480	150	500
Trombay 7A	2.87	8.55	122	116	120
Trombay 7B	1.58	4.74	67	65	60
Trombay 8	5.95	16.92	250	200	250
TATA Hydro	5.28	15.99	433	0	447
	34.37	105.37			1867
REL					
1&2	12.22	37.21	523	473	500
	12.22	37.21			500
Cent Sect					
Share					3380
					3380

MS PG CL	Thermal	112.44	344.76			4875
	Thml+Gas	127.06	386.38			5515
	Hydro	3.24	32.15			1279
	Total	130.30	418.53			6794
State Total		242.18	751.26			14826

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 03/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	4659	109	645	5413	1345	191	1200	3335	2272	-682	-513	9908	1768	9908	2222	13898	49.83
2	4732	104	647	5483	1345	186	1242	3208	2020	-552	-411	9865	1645	9865	2018	13528	49.81
3	4703	109	648	5460	1350	266	1233	3121	1845	-495	-320	9847	1250	9847	1920	13017	49.93
4	4686	114	649	5449	1355	118	1205	3034	1789	-409	-248	9688	1174	9688	1825	12687	50.04
5	4711	114	643	5468	1351	163	1251	2991	1876	-366	-212	9917	822	9917	1770	12509	49.92
6	4732	114	542	5388	1348	206	1196	2948	2049	-322	-237	9970	901	9970	1835	12706	49.89
7	4768	114	525	5407	1354	175	1251	3127	2025	-416	-300	9929	1440	9929	1847	13216	50.08
8	4821	122	552	5495	1352	123	1278	3127	2022	-416	-288	9982	1440	9982	1964	13386	50.10
9	4868	104	575	5547	1339	109	1285	3157	2416	-440	-433	10263	1440	10263	2258	13961	49.93
10	4828	146	575	5549	1332	64	1281	3311	2928	-471	-420	10734	1473	10734	2600	14807	49.94
11	4718	146	525	5389	1327	55	1263	3552	2992	-654	-557	10482	1572	10482	2823	14877	49.95
12	4605	150	508	5263	1316	47	1283	3616	3411	-740	-645	10695	1475	10695	2927	15097	49.78
13	4624	136	614	5374	1311	98	1250	3655	3353	-738	-627	10782	1858	10782	2919	15559	49.71
14	4634	142	619	5395	1312	56	1234	3616	3255	-700	-561	10716	2162	10716	2800	15678	49.72
15	4649	135	615	5399	1304	116	1230	3615	3251	-673	-626	10699	1650	10699	2875	15224	49.69
16	4699	238	625	5562	1316	156	1258	3575	3128	-731	-670	10764	1604	10764	2932	15300	49.81
17	4691	156	620	5467	1330	151	1241	3495	3045	-668	-629	10605	1583	10605	2911	15099	49.92
18	4715	121	625	5461	1339	228	1225	3417	2373	-585	-579	10047	1802	10047	2840	14689	49.96
19	4675	121	627	5423	1341	163	1095	3200	2527	-474	-469	10080	2649	10080	2717	15446	49.95
20	4733	275	645	5653	1337	216	1158	3281	2884	-526	-585	10676	2909	10676	2696	16281	49.86
21	4600	148	657	5405	1332	160	1177	3336	2861	-614	-602	10353	2918	10353	2598	15869	49.74
22	4611	128	653	5392	1334	167	1191	3384	2608	-662	-465	10247	2918	10247	2316	15481	49.79
23	4591	102	642	5335	1332	132	1168	3433	2359	-739	-533	9813	2918	9813	2260	14991	49.72
24	4389	97	640	5126	1328	192	1221	3401	2146	-806	-526	9507	2600	9507	2174	14281	49.63
MUs	112.4 4	3.24	14.62	130.30	32.03	3.54	29.42	79.94	61.44	-13.88	-11.46	245.57	43.97	245.57	58.05	347.59	49.86

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 03/Jun/2011

Position as on 6.30 Hrs of 04/Jun/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect NTPC (V-1)	210	07/05/2011	00.46		Continued.	A/OH	19/06/2011
Cent_Sect NTPC(K-5)	500	10/05/2011	00.00		Continued.	Annual Overhaul	04/06/2011
Dabhol 1A	230	20/05/2011	13.22		Continued.	Rotor replacement.	20/07/2011
FORCED OUTAGE							
Dabhol 1X	290	20/05/2011	13.22		Continued.	Unit 1A and 1B out	06/06/2011
Dabhol 1B	230	21/05/2011	02.17		Continued.	High speed.	06/06/2011
Cent_Sect TARAPUR-4	540	30/05/2011	20.00		Continued.	Survilence Test	14/06/2011
Bhusawal Unit 2	210	31/05/2011	08.41	03/06/2011	12.45	Boiler Tube Leakage	
Nasik Unit 2	125	01/06/2011	11:15		Continued.	Boiler Tube Leakage.	04/06/2011
Chandrapur Unit 1	210	01/06/2011	15:39		Continued.	Boiler Tube Leakage.	04/06/2011
Chandrapur Unit 3	210	02/06/2011	15.57		Continued.	Fire Near Boiler.	05/06/2011
Uran Unit 5	108	03/06/2011	05.40	03/06/2011	06.59	Bearing Vibration.	04/06/2011
Uran Unit 5	108	03/06/2011	10.35		Continued.	Damper Problem.	
CPP WPCL U-2	135	03/06/2011	17.40		Continued.	Withdrawn.	
CPP WPCL U-3	135	03/06/2011	18.10	03/06/2011	21.23	Hand Tripped.	
Nasik Unit 3	210	03/06/2011	18.15		Continued.	Boiler Tube Leakage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 03/Jun/2011

Position as on 6.30 Hrs of 04/Jun/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dhule-Sar'Sarovar - II	31/05/2011	06.40	03/06/2011	08.57	Testing work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - I	02/06/2011	23.51		Continued.	Over Voltage.
Kolhapur - Mapusa - I	02/06/2011	23.53	03/06/2011	11.58	Over Voltage.
Akola - Wardha - I	03/06/2011	00.17		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	03/06/2011	23.48		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Solapur - Solapur (PG)	03/06/2011	19.29		Continued.	Over Voltage.
Kolhapur - Mapusa - I	03/06/2011	22.39		Continued.	Over Voltage.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC Pole II Padgha	03/06/2011	06.18	03/06/2011	18.32	Replacement of Insulator String.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 315 MVA ICT-I @ Padgha	03/06/2011	07.49	04/06/2011	00.25	Replacement of 220KV R Ph.L V Bushing & Filtration Work.
400/220KV 315MVA ICT- I @ Kharghar	03/06/2011	08.49	03/06/2011	17.59	Premansoon Maintenance Work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C(6 MonthOutage.)
Kharghar-Nerul	06/05/2011	09.32		Continued.	Dismantling and erection of towers(upto 04.06.2011)
Borivali-Mulund	17/05/2011	12.28		Continued.	Cable Termination work of 220KV Bhandup GIS Up to 10-06-2011.
220/132KV 100 MVA ICT-I @ Parbhani	21/05/2011	09.10		Continued.	Augmentation from 100 to 200 MVA Upto 6.6.2011.
Nasik-Padgha	26/05/2011	08.32	03/06/2011	19.21	Dismantling of Existing 2 Towers & Restrunging on New Tower
Jindal - Ghatghar	26/05/2011	09.05	03/06/2011	19.52	Dismantling of Existing 2 Towers & Restrunging on New Tower
220/132 KV 200 MVA T/F-I @ Boiser	03/06/2011	08.48	03/06/2011	10.05	Premansoon Maintenance Work.
220/132 KV 200 MVA ICT - II @ Malegaon	03/06/2011	09.50	03/06/2011	14.04	Q.M.Work.
Newkoyna -Lote-Parsuram	03/06/2011	10.05	03/06/2011	13.20	Maintenance Work.
220/132 KV 200 MVA ICT-II @ Boiser	03/06/2011	10.10	03/06/2011	10.53	Premansoon Maintenance Work.
220/33 KV 50 MVA T/F I @ Boisar II	03/06/2011	11.02	03/06/2011	11.53	Premansoon Maintenance Work.
220/33 KV 50 MVA ICT-II @ Boisar	03/06/2011	11.53	03/06/2011	12.25	Premansoon Maintenance Work.
Kalwa-Colourchem	03/06/2011	15.06	03/06/2011	16.15	To Remove Birdnest.
Temghar-Colourchem	03/06/2011	16.27	03/06/2011	17.45	To Remove Birdnest.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Babaleshwar - Bhenda	12/05/2011	11.35	03/06/2011	20.33	To control BBLSR ICT Load
BBLSR-Waluj	25/05/2011	13.55		Continued.	To Control BBLSR ICT Loading.
Kalwa-C'chem	02/06/2011	23.00	03/06/2011	01.12	To Control Apta-Taloja Line Loading.
Chandrapur-Warora - I	03/06/2011	01.03	03/06/2011	23.06	To Control 220 KV Warora-Hingabghat

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 03/Jun/2011

Position as on 6.30 Hrs of 04/Jun/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
					Ckt Loading.
Chandrapur-Wani	03/06/2011	23.03		Continued.	As per SE,HVDC C'PUR Request Due to Relay Problem.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Supa - Shirur	07/03/2011	15.15		Continued.	To control Lonikand ICT Load
Bhusawal - Pachora	31/05/2011	08.40	03/06/2011	19.18	To Control 132KV Fekri Ckt Loading.BTPS-2 Tripped.
Pahur - Pachora	31/05/2011	08.40	03/06/2011	19.18	To Control 132KV Fekri Ckt Loading.BTPS-2 Tripped.
Voltage Level : 400KV			Outage Type TRIPPED		
Lonikand-Kalwa	02/06/2011	16.07	03/06/2011	09.13	Distance Protection.
Padgha - Nagothane - I	02/06/2011	17.05	03/06/2011	04.39	Distance Protection.
Padgha - Nagothane- II	02/06/2011	17.06	03/06/2011	04.13	Distance Protection.
400/220/33KV,500 MVA ICT-I At Kalwa	02/06/2011	19.09	03/06/2011	02.44	NDR.
400/220KV,500MVA ICT-III At Kalwa.	02/06/2011	19.09	03/06/2011	01.14	NDR.
Bhusawal- Aurangabad	02/06/2011	21.41		Continued.	Over Voltage.
Parli - Solapur	03/06/2011	14.21		Continued.	Distance Protection.
400/220 KV 315 MVA ICT-II @ Nagothane.	03/06/2011	19.12	03/06/2011	21.10	R Ph. Buchholz.
400/220 KV 315 MVA ICT-II @ Chandrapur	03/06/2011	22.07	04/06/2011	00.28	Tripped From H V Side.
Voltage Level : 220KV			Outage Type TRIPPED		
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)
Gangapur-Valve	13/05/2011	12.34	03/06/2011	20.45	Tower Bent @ Loc. No.10C,7,8,9,10,11.
220/33KV 50 MVA T/F @ Aurangabad	03/06/2011	05.11	03/06/2011	06.11	O/C,E/F.
Apta-Nagothane	03/06/2011	19.12		Continued.	Distance Protection.
Uran-Kharghar-II	03/06/2011	20.39		Continued.	Distance Protection.
220/33 KV 100 MVA ICT-IV @ Versova	03/06/2011	23.11	04/06/2011	02.45	NGT BA.
Voltage Level : 132KV			Outage Type TRIPPED		
Chalisgaon - Manmad	03/06/2011	08.47	03/06/2011	09.25	Distance Protection Operated Z-II R Ph.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 04/Jun/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	150
Unit 6	210	180
Unit 7	210	0
	620	330
Bhusawal		
Unit 2	210	160
Unit 3	210	185
Unit 4	0	
	420	345
Parli		
Unit 3	210	110
Unit 4	210	105
Unit 5	210	135
Unit 6	250	165
Unit 7	250	190
	1130	705
Chandrapur		
Unit 1	210	0
Unit 2	210	150
Unit 3	210	0
Unit 4	210	170
Unit 5	500	360
Unit 6	500	350
Unit 7	500	400
	2340	1430
Paras		
Unit 3	250	230
Unit 4	250	250
	500	480
Khaparkheda		
Unit 1	210	210
Unit 2	210	210
Unit 3	210	210
Unit 4	210	210
Unit 5	0	
	840	840
Nasik		
Unit 1	120	90
Unit 2	120	0
Unit 3	210	0
Unit 4	210	120
Unit 5	210	140
	870	350
Uran		
All Units	852	620
	852	620
Dabhol		
RGPP	1940	1250
	1940	1250
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	18

Generating unit	Derated Capacity (MW)	OLC (MW)
VTRNA	60	0
TILLARI	60	0
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	0
BHANDARDRA	45	30
ELDARY	23	0
SMLHY PTN	12	21
GHATGHAR	250	0
	611	109
PENCH (MS)		
Pench (MS)	53	
	53	
Wind		
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	
	0	
CPP		
JSW JAIGAD	600	610
WARDHA	405	330
Other CPPs	0	
	1005	940
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	3214
	3455	3214