



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

State Load Dispatch Center, Airoli

Daily system Report

for

06/Jun/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 06/Jun/2010 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	84.433	521.556	1) Madhya Pradesh	68.844	391.708
2) Hydro	3.187	72.363	2) Gujrat	28.127	160.135
3) Gas	15.459	98.398	3) Goa	-6.950	-38.440
Total MSGENCO	103.079	692.317	4) TAPS 1&2 (Inj.)	7.191	43.099
B) OTHERS			5) Pench (Excess)	-0.144	-1.400
1) RGPPL Gas	37.979	222.713	# Total Cent. Sector	97.068	555.102
2) Wind Generation	19.600	90.818	F) Other Exchanges		
3) CPP	5.981	28.066	1) With TPCL (Excess)	-3.834	-60.119
4) PENCH (MS)	0.144	1.400	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	7.806	53.384
1) TPCL Thermal	32.595	196.421	Include PX	1.436	20.870
2) TPCL Hydro	0.189	15.224	2) MUMBAI Bilateral	4.774	66.549
TOTAL TPCL	32.784	211.645	Include PX	-1.108	4.341
3) REL Thermal	12.447	74.897	3) MUMBAI Schedule	4.774	66.549
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	129.475	792.874	1) MSEDCL	260.017	1530.297
2) Hydro (A2+B3+C2)	3.520	88.987	2) TPCL	29.732	220.331
3) Gas (A3+B1)	53.438	321.111	3) REL	19.328	126.318
4) Wind (B2)	19.600	90.818	TOTAL STATE	309.077	1876.946
5) CPP (B3)	5.981	28.066			
TOTAL STATE	212.014	1321.856			

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	3468	3451	3603
MSGENCO Hydro	161	395	59
MSGENCO Gas	589	707	536
MSGENCO Total Generation	4218	4553	4198
Central Sector Receipt	4837	4215	3904
RGPPL	1568	1574	1591
WIND	701	821	838
CPP	223	275	283
Exchange with TPCL	-162	-165	5
MSEDCL DEMAND MET	11385	11273	10819
Load Shedding	3360	3661	2318
MSEDCL DEMAND (INCL. LS)	14745	14934	13137
TPCL GENERATION	1306	1512	1400
REL GENERATION	522	521	519
TPCL+REL DEMAND	1990	2198	1914
STATE DEMAND MET	13375	13471	12733
STATE DEMAND (INCL. LS)	16735	17132	15051
Frequency (Hz)	49.92	49.89	49.83
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			5235 MW AT 15.00 HRS
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			101.43 MUS

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.71 Hz at 18.07 Hrs	49.51 Hz at 19.41 Hrs	50.03	0 % 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 06/Jun/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.57	9.26	72	58	75
Unit 2	1.58	8.95	78	44	75
Unit 3	1.57	8.86	76	58	70
Unit 4	1.46	6.67	76	52	65
Unit 5	2.86	16.78	133	92	130
Unit 6	2.97	12.64	152	95	140
Unit 7	3.13	17.45	150	120	130
	15.14	80.60			685
Bhusawal					
Unit 1	0.00	3.05	2	0	0
Unit 2	4.13	24.95	185	140	180
Unit 3	4.01	23.66	185	145	180
	8.14	51.65			360
Parli					
Unit 1	0.57	3.31	25	22	22
Unit 2	0.53	3.07	23	20	22
Unit 3	4.26	25.85	189	166	180
Unit 4	3.62	23.90	189	100	185
Unit 5	3.39	21.68	155	126	140
Unit 6	6.07	36.27	254	251	250
Unit 7	0.00	0.00	0	0	
	18.43	114.10			799
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	0.00	0.00	0	0	0
Unit 4	4.15	25.85	188	144	190
Unit 5	0.00	0.00	0	0	0
Unit 6	0.00	0.00	0	0	0
Unit 7	0.00	0.00	0	0	0
	4.15	25.85			190
Paras					
Unit 2	1.03	4.06	44	41	41
Unit 3	5.44	33.61	253	208	250
Unit 4	2.36	20.45	115	84	
	8.82	58.12			291
Khaparkheda					
Unit 1	4.29	25.82	210	125	190
Unit 2	3.97	24.05	178	151	180
Unit 3	4.18	25.72	182	160	175
Unit 4	4.05	23.35	186	152	150
	16.49	98.95			695
Nasik					
Unit 1	2.22	13.48	99	85	95
Unit 2	2.02	3.86	97	67	90
Unit 3	4.46	27.62	201	172	200
Unit 4	0.00	19.88	0	0	0
Unit 5	4.55	27.44	202	172	200
	13.25	92.29			585
Koyna					
Stage 1-2	1.04	18.84	65	35	600
Stage 4	0.00	30.58	0	0	250
Stage 3	0.00	10.66	0	0	320
	1.04	60.08			1170
Kovna 12&4 Total	1.04	49.42			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.46	98.40	712	508	670
		15.46	98.40			670
Hydro						
KDPH		0.00	1.80	0	0	0
VTRNA		0.48	2.96	61	0	61
TILLARI		0.00	0.00	0	0	0
BHTGR/VEER		0.10	0.62	4	4	0
BHIRA T.R.		0.10	1.14	41	0	40
RNGR+BHTSA		0.07	0.46	3	3	0
BHANDARDRA		0.00	0.00	0	0	0
ELDARY		0.00	0.00	0	0	0
SMLHY PTN		0.34	2.00	22	12	7
GHATGHAR		1.06	3.31	250	0	0
		2.14	12.28			108
PENCH (MS)						
Pench (MS)		0.14	1.40	70	0	
		0.14	1.40			
Wind						
MalharPeth		0.58	2.55			
Vankuswadi		0.83	5.06			
ATIT		0.71	2.03			
Kale		0.53	2.14			
Satara		1.41	3.86			
Shirala		0.68	2.37			
K Mahankal		0.35	2.20			
Supa		0.30	1.17			
Vita		3.17	10.51			
Dondaicha		6.85	38.56			
Sakri		0.98	6.09			
Nandurbar		0.86	4.77			
Khadakale		1.31	4.71			
Khaparale		1.04	4.80			
		19.60	90.82			
CPP						
TOTAL CPP		5.98	28.07			
		5.98	28.07			
Dabhol						
RGPPL		37.98	222.71	1598	1568	1520
		37.98	222.71			1520
Tata						
Trombay 4		2.50	14.47	110	97	100
Trombay 5		11.38	65.34	475	465	450
Trombay 6		8.69	57.20	500	150	480
Trombay 7A		2.86	17.02	120	117	120
Trombay 7B		1.59	9.51	67	66	60
Trombay 8		5.57	32.87	255	150	250
TATA Hydro		0.19	15.22	109	0	447
		32.78	211.64			1907
REL						
1&2		12.45	74.90	523	507	500
		12.45	74.90			500
Cent Sect						
Share						3088
						3088
MS PG CL	Thermal	84.43	521.56			3605
	Thml+Gas	99.89	619.95			4275
	Hydro	3.19	72.36			1278
	Total	103.08	692.32			5553
State Total		212.01	1321.86			12568

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 06/Jun/2010

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP	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	3593	64	707	4364	1581	930	276	3037	3830	-406	-371	10680	2183	12863	2408	15271	49.99
2	3632	59	708	4399	1590	896	291	2784	3245	-160	-116	10375	2715	13090	2155	15245	50.06
3	3598	59	711	4368	1587	840	259	2637	3552	-15	36	10646	2563	13209	2002	15211	49.99
4	3626	59	571	4256	1598	863	278	2763	3832	-126	-79	10748	2291	13039	2039	15078	50.00
5	3603	59	536	4198	1591	838	283	2661	3904	-39	5	10819	2318	13137	1914	15051	49.83
6	3657	54	542	4253	1595	817	269	2623	3931	110	142	11007	2556	13563	1880	15443	49.85
7	3776	69	553	4398	1598	742	246	2905	3118	-126	-71	10031	3659	13690	1908	15598	50.11
8	3717	59	592	4368	1598	878	227	2904	3058	-126	-95	10034	3789	13823	1787	15610	50.02
9	3626	92	508	4226	1595	854	256	2951	3641	-171	-135	10437	3633	14070	1813	15883	50.11
10	3586	129	519	4234	1581	781	239	3102	3944	-261	-226	10553	3418	13971	1868	15839	50.04
11	3469	125	577	4171	1573	683	249	3101	4460	-261	-220	10916	3387	14303	1964	16267	49.94
12	3468	161	589	4218	1568	701	223	3046	4837	-211	-162	11385	3360	14745	1990	16735	49.92
13	3404	68	658	4130	1572	688	242	3083	4645	-261	-225	11052	3581	14633	2056	16689	50.01
14	3376	59	688	4123	1569	692	220	3030	4947	-211	-170	11381	3406	14787	1995	16782	49.95
15	3364	69	694	4127	1571	706	243	3081	4737	-261	-230	11154	3667	14821	2028	16849	50.13
16	3415	64	697	4176	1573	927	229	3037	4196	-261	-231	10870	4076	14946	2043	16989	50.23
17	3404	64	698	4166	1577	970	261	3037	4097	-261	-231	10840	3887	14727	2066	16793	50.36
18	3378	98	695	4171	1579	881	228	3039	4454	-261	-227	11086	3469	14555	1992	16547	50.33
19	3344	145	694	4183	1579	1019	253	2966	3825	-311	-274	10585	3771	14356	1971	16327	50.20
20	3419	243	712	4374	1575	869	232	2852	3831	-127	-99	10782	4116	14898	2080	16978	49.94
21	3451	395	707	4553	1574	821	275	3078	4215	-206	-165	11273	3661	14934	2198	17132	49.89
22	3480	370	705	4555	1582	757	233	3142	4216	-258	-216	11127	3325	14452	2235	16687	50.04
23	3558	314	698	4570	1585	827	248	3089	4364	-256	-218	11376	2971	14347	2286	16633	49.86
24	3489	309	700	4498	1588	620	221	2973	4189	-303	-256	10860	2959	13819	2387	16206	49.93
MUs	84.43	3.19	15.46	103.08	37.98	19.60	5.98	70.92	97.07	-4.77	-3.83	260.02	78.76	338.78	49.06	387.84	50.03

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 06/Jun/2010

Position as on 6.30 Hrs of 07/Jun/2010

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect KARPR1	220	01/07/2008	00:10		Continued.	COH(En-Mass Coolant Clanel Replacement)	30/12/2010
Chandrapur Unit 6	500	01/04/2010	01.15		Continued.	Annual Overhaul	16/06/2010
Chandrapur Unit 1	210	08/04/2010	08.36		Continued.	Annual Overhaul	30/06/2010
Dabhol 2B	230	15/04/2010	01.40		Continued.	Control System modification work	15/06/2010
Chandrapur Unit 5	500	16/04/2010	15.49		Continued.	Water Balancing Problem.	15/06/2010
Chandrapur Unit 2	210	18/04/2010	21.38		Continued.	Clinker Formation.	30/06/2010
Chandrapur Unit 7	500	25/04/2010	00.23		Continued.	Water Balancing Problem.	30/06/2010
Cent_Sect NTPC(K-4)	500	09/05/2010	07.00		Continued.	Annual Overhaul	12/06/2010
Cent_Sect NTPC(V-4)	210	19/05/2010	17:09		Continued.	Annual O/H .	09/06/2010
Chandrapur Unit 3	210	26/05/2010	23.59		Continued.	Water Balancing Problem.	30/06/2010
FORCED OUTAGE							
Uran Unit 2	60	04/10/2008	19.00		Continued.	Gas Restriction	
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Parli Unit 7	250	28/05/2010	21.41		Continued.	Low Pressure bypass valve leakage	07/06/2010
Bhusawal Unit 1	58	05/06/2010	11.30	06/06/2010	01.10	Flashover primary Air Fan	
Nasik Unit 4	210	05/06/2010	13.50		Continued.	ID Fan Problem	10/06/2010
Bhusawal Unit 1	58	06/06/2010	01.20		Continued.	Suspected rear water wall leakage	08/06/2010
Uran Unit 7	108	06/06/2010	03.09	06/06/2010	06.32	Generator Protection	
Uran Unit B0	120	06/06/2010	07.57	06/06/2010	10.44	Boiler Protection	
Uran Unit 8	108	06/06/2010	07.57	06/06/2010	08.34	Boiler Protection	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 06/Jun/2010

Position as on 6.30 Hrs of 07/Jun/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Akola - Aurangabad - I	05/06/2010	09.38		Continued.	Sparking in Line Reactor
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - I	03/06/2010	18.08		Continued.	Over Voltage
Akola - Wardha - I	05/06/2010	15.51		Continued.	Due to line loading
Dhule-Sar'Sarovar - II	06/06/2010	23.44		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
Nasik-Navsari -II	06/06/2010	17.35	07/06/2010	06.00	Location no.204,Y phase suspension string replace
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50 MVAR Line Reactor of LN at Parli.	13/05/2010	07.58		Continued.	Overhauling of line reactor of Lonikand -I at Parli.
400/11.5 KV 90 MVA Station T/F-IV @ Chandrapur	29/05/2010	10.18		Continued.	Maintainance Work.
Chandrapur - Parli - II	06/06/2010	07.00	06/06/2010	22.38	Replacement of Faulty Disc Insulator String
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV,100 MVA ICT-I At Kalmeshwar	20/02/2010	10.34		Continued.	Repl.of ICT by 200 MVA New ICT.
220/132 KV,100 MVA T/F-II @ Malegaon	08/04/2010	08.55		Continued.	ICT tobe replaced with new 200MVA ICT
220/132kv 100MVA ICT-III at padegaon	12/05/2010	13.30		Continued.	Replacement of 100 MVA ICT By 200 MVA ICT.
220/132 KV 100 MVA ICT - I @ Ranjangaon	18/05/2010	13.48		Continued.	Transformer Augmentation work.
220/132 KV, 100 MVA - ICT @ Bale.	03/06/2010	13.15		Continued.	Augumentation of ICT by 200MVA ICT
Pedambe - Mahad	06/06/2010	06.25	06/06/2010	18.40	Main Bus-I outage at Pedambe
Pedambe-Newkoyna	06/06/2010	06.30	06/06/2010	18.50	Main Bus-I outage at Pedambe
Pedambe - Pophali	06/06/2010	06.35	06/06/2010	18.30	Main Bus-I outage at Pedambe
Main Bus Section- I at Pedambe	06/06/2010	07.25	06/06/2010	18.25	Replacement of support Insulator
220/66KV,150MVA ICT-I at Gadchandur	06/06/2010	17.01	06/06/2010	19.02	H.V.Main Breaker replaced
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220 KV,315 MVA ICT-I at Parly.	29/05/2010	22.22		Continued.	ICT Charged with LV Side on TBC due to PDR Problem.
400/220 KV,600 MVA ICT-I @ Kalwa	06/06/2010	06.58	06/06/2010	10.41	To Wrap polythene paper to Buchloz,OLTC,PRV
400/220 KV,600 MVA ICT-I @ Kalwa	06/06/2010	10.51	06/06/2010	19.07	To Wrap polythene paper to Buchloz,OLTC,PRV
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	05/06/2010	17.35		Continued.	To control Waluj ICT Loading
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Bhusawal - Pachora	05/06/2010	23.40	06/06/2010	00.15	H/T to attend Red Hot on CT Clamp
Voltage Level : 400KV			Outage Type TRIPPED		
400/11.5/6.6 KV 70 MVA Strn.T/F 5B at 400KV	25/04/2010	03.59		Continued.	B-Ph,HV bushing burst and caught fire.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 06/Jun/2010

Position as on 6.30 Hrs of 07/Jun/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Khaparkheda					
400/220kv, 315 MVA ICT-II @ Nagothane.	07/06/2010	03.42		Continued.	NDR trip
Padgha - Nagothane - I	07/06/2010	03.55	07/06/2010	04.11	Transient Fault
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 200 MVA ICT - II at Theur	01/06/2010	03.57		Continued.	Oil tank burst.
K'gaon-Dasturi	06/06/2010	05.23	06/06/2010	07.25	Bus Bar Protection operated at Dasturi
Lote - Dasturi	06/06/2010	05.23	06/06/2010	08.25	Bus Bar Prot.operated at Dasturi end
Padgha-Temghar	06/06/2010	06.42	06/06/2010	08.15	B Ph.PT burst at Temghar.
Temghar-Colourchem	06/06/2010	06.42	06/06/2010	08.00	B phase PT Burst
Kalwa-Colourchem	06/06/2010	06.42	06/06/2010	07.23	B Phase PT Burst
220/100 KV,125 MVA ICT-III at Trombay S/S.	07/06/2010	00.55		Continued.	Diff.Protection operated
Padgha-Boiser(PGCIL)	07/06/2010	02.45		Continued.	PDR Operated phase to phase fault
Apta-Nagothane	07/06/2010	03.53		Continued.	Tripped
Apta-Uran-III	07/06/2010	03.55	07/06/2010	04.58	LBB Prot.operated, Tripped from APTA end only
Apta - Taloja	07/06/2010	03.55	07/06/2010	05.05	LBB Prot.operated, tripped from APTA end only.
220/100 KV,200 MVA ICT-II at Apta	07/06/2010	03.55	07/06/2010	05.01	LBB Prot.operated
Bussectionlizer at Apta	07/06/2010	03.55	07/06/2010	04.54	LBB Prot.operated
220KV Bus Section - I at Apta	07/06/2010	03.55	07/06/2010	04.58	LBB Prot.operated
Apta - Tambati.	07/06/2010	03.55	07/06/2010	05.05	LBB Prot.operated, tripped from APTA end only
Apta-Uran-IV	07/06/2010	03.55	07/06/2010	05.02	LBB Prot.operated, tripped from APTA end only
Voltage Level : 132KV			Outage Type TRIPPED		
132/3.3 KV 6 MVA Stn T/F @ Paras	15/03/2010	16.16		Continued.	B Ph CT Burst.
132 KV Capaciter Bank @ Nanded	24/04/2010	21.45		Continued.	Capaciter Bank Breaker Burst.
Nanded - Tamsa	06/06/2010	10.30	06/06/2010	20.56	Distance Protection
Dhule-Sakri	06/06/2010	17.00	06/06/2010	17.20	Tripped on 33KV Feeder Fault

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 07/Jun/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	60
Unit 2	105	65
Unit 3	105	70
Unit 4	105	70
Unit 5	200	100
Unit 6	210	100
Unit 7	210	130
	1040	595
Bhusawal		
Unit 1	58	0
Unit 2	210	180
Unit 3	210	150
	478	330
Parli		
Unit 1	30	22
Unit 2	30	22
Unit 3	210	180
Unit 4	210	185
Unit 5	210	140
Unit 6	250	250
Unit 7	250	
	1190	799
Chandrapur		
Unit 1	210	0
Unit 2	210	0
Unit 3	210	0
Unit 4	210	190
Unit 5	500	0
Unit 6	500	0
Unit 7	500	0
	2340	190
Paras		
Unit 2	55	41
Unit 3	250	250
Unit 4	250	
	555	291
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	160
Unit 4	210	190
	840	710
Nasik		
Unit 1	120	95
Unit 2	120	90
Unit 3	210	200
Unit 4	210	0
Unit 5	210	200
	870	585
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Uran		
All Units	852	670

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	670
Hydro		
KDPH	40	0
VTRNA	60	60
TILLARI	60	0
BHTGR/VEER	21	0
BHIRA T.R.	80	41
RNGR+BHTSA	20	0
BHANDARDRA	45	8
ELDARY	23	0
SMLHY PTN	12	7
GHATGHAR	250	0
	611	116
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	
Khadakale	0	
Khaparale	0	
	0	
CPP		
TOTAL CPP	0	
	0	
Dabhol		
RGPPL	960	1520
	960	1520
Tata		
Trombay 4	150	100
Trombay 5	500	450
Trombay 6	500	480
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1907
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3318
	3143	3318