



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

State Load Dispatch Center, Airoli

Daily system Report

for

27/May/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 27/May/2010 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	92.844	2469.135	1) Madhya Pradesh	75.620	1876.554
2) Hydro	7.970	596.667	2) Gujrat	21.873	603.584
3) Gas	16.708	440.552	3) Goa	-7.330	-176.019
Total MSGENCO	117.522	3506.354	4) TAPS 1&2 (Inj.)	7.210	194.353
B) OTHERS			5) Pench (Excess)	-0.336	-8.154
1) RGPPL Gas	35.668	907.599	# Total Cent. Sector	97.037	2490.318
2) Wind Generation	22.022	347.571	F) Other Exchanges		
3) CPP	4.032	112.340	1) With TPCL (Excess)	-8.632	-229.995
4) PENCH (MS)	0.336	8.336	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	12.380	245.558
1) TPCL Thermal	32.629	874.237	Include PX	1.347	90.989
2) TPCL Hydro	4.650	92.636	2) MUMBAI Bilateral	10.230	253.295
TOTAL TPCL	37.279	966.873	Include PX	1.493	27.817
3) REL Thermal	12.535	336.738	3) MUMBAI Schedule	10.230	253.295
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	138.008	3680.110	1) MSEDCL	267.985	7142.523
2) Hydro (A2+B3+C2)	12.956	697.639	2) TPCL	37.089	977.446
3) Gas (A3+B1)	52.376	1348.151	3) REL	21.356	556.156
4) Wind (B2)	22.022	347.571	TOTAL STATE	326.430	8676.125
5) CPP (B3)	4.032	112.340			
TOTAL STATE	229.394	6185.811			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 22 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4042	3809	4040
MSGENCO Hydro	160	765	110
MSGENCO Gas	684	694	713
MSGENCO Total Generation	4886	5268	4863
Central Sector Receipt	4394	4505	3580
RGPPL	1335	1537	1503
WIND	725	1006	1123
CPP	169	166	168
Exchange with TPCL	-558	-365	-138
MSEDCL DEMAND MET	10974	12164	11099
Load Shedding	3970	3682	1898
MSEDCL DEMAND (INCL. LS)	14944	15846	12997
TPCL GENERATION	1721	1722	1320
REL GENERATION	523	521	523
TPCL+REL DEMAND	2802	2608	1981
STATE DEMAND MET	13776	14772	13080
STATE DEMAND (INCL. LS)	17746	18454	14978
Frequency (Hz)	49.82	49.76	50.14
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			5644 MW at 13.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			101.37 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.38 Hz at 06.03 Hrs	49.35 Hz at 19.43 Hrs	49.89	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 27/May/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.83	45.67	81	71	80
Unit 2	1.66	37.04	74	57	65
Unit 3	1.66	39.43	73	63	70
Unit 4	1.69	13.42	77	65	70
Unit 5	2.85	64.96	135	75	130
Unit 6	2.83	74.62	141	78	130
Unit 7	2.85	85.89	145	90	100
	15.36	361.02			645
Bhusawal					
Unit 1	1.02	27.35	46	37	50
Unit 2	4.24	114.14	185	168	195
Unit 3	3.90	97.42	170	150	170
	9.16	238.91			415
Parli					
Unit 1	0.02	11.92	15	0	0
Unit 2	0.55	14.75	24	21	22
Unit 3	4.11	104.74	183	152	180
Unit 4	3.69	104.65	175	127	180
Unit 5	3.49	98.54	175	118	140
Unit 6	3.88	157.33	252	0	250
Unit 7	2.54	114.46	139	0	
	18.27	606.39			772
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	0.00	109.56	0	0	0
Unit 4	4.22	7.66	193	150	180
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
	4.22	117.22			180
Paras					
Unit 2	0.89	20.37	44	22	46
Unit 3	4.71	114.78	244	0	240
Unit 4	4.85	90.90	223	153	
	10.44	226.05			286
Khaparkheda					
Unit 1	4.72	119.80	210	175	210
Unit 2	4.10	108.86	181	146	180
Unit 3	4.66	115.19	200	189	190
Unit 4	4.12	104.97	182	162	190
	17.59	448.82			770
Nasik					
Unit 1	2.21	47.47	98	87	95
Unit 2	1.85	55.79	86	62	90
Unit 3	4.80	125.10	205	190	200
Unit 4	4.36	119.76	188	176	190
Unit 5	4.58	122.61	202	179	200
	17.80	470.72			775
Koyna					
Stage 1-2	2.50	129.38	340	35	600
Stage 4	0.96	292.33	283	0	250
Stage 3	1.50	91.28	292	0	320
	4.96	512.98			1170
Kovna 12&4 Total	3.46	421.71			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units	16.71	440.55	713	678	670	
	16.71	440.55			670	
Hydro						
KDPH	0.51	10.99	32	15	36	
VTRNA	0.37	9.78	61	0	60	
TILLARI	0.00	6.28	0	0	0	
BHTGR/VEER	0.12	10.33	6	5	23	
BHIRA T.R.	0.27	4.02	41	0	40	
RNGR+BHTSA	0.11	6.71	5	4	0	
BHANDARDRA	0.35	13.65	15	14	20	
ELDARY	0.00	0.00	0	0	0	
SMLHY PTN	0.54	15.92	34	20	8	
GHATGHAR	0.73	6.00	250	0	0	
	3.01	83.68			187	
PENCH (MS)						
Pench (MS)	0.34	8.34	47	0		
	0.34	8.34				
Wind						
MalharPeth	0.82	10.10				
Vankuswadi	1.98	22.59				
ATIT	0.31	7.18				
Kale	0.69	9.97				
Satara	2.83	17.43				
Shirala	0.62	9.19				
K Mahankal	0.04	9.85				
Supa	0.38	5.90				
Vita	2.50	37.10				
Dondaicha	7.23	138.29				
Sakri	1.90	23.27				
Nandurbar	0.80	18.14				
Khadakale	0.81	20.91				
Khaparale	1.10	17.65				
	22.02	347.57				
CPP						
TOTAL CPP	4.03	112.34				
	4.03	112.34				
Dabhol						
RGPPL	35.67	907.60	1549	1211	1520	
	35.67	907.60			1520	
Tata						
Trombay 4	2.60	57.25	110	106	100	
Trombay 5	9.96	266.66	415	415	415	
Trombay 6	10.22	278.22	450	320	500	
Trombay 7A	2.84	75.64	120	116	120	
Trombay 7B	1.58	42.32	67	65	60	
Trombay 8	5.43	154.14	251	155	250	
TATA Hydro	4.65	92.64	397	0	447	
	37.28	966.87			1892	
REL						
1&2	12.54	336.74	525	519	500	
	12.54	336.74			500	
Cent Sect						
Share					3299	
					3299	
MS PG CL	Thermal	92.84	2469.14		3843	
	Thml+Gas	109.55	2909.69		4513	
	Hydro	7.97	596.67		1357	
	Total	117.52	3506.35		5870	
State Total		229.39	6185.81		13081	

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 27/May/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	4114	120	708	4942	1547	1077	169	3246	3794	-388	-328	11248	1601	12849	2366	15215	49.96
2	4054	115	711	4880	1504	998	167	3105	3691	-248	-173	11076	2150	13226	2133	15359	50.14
3	4054	130	709	4893	1547	1053	169	3058	3577	-203	-136	11103	2004	13107	2022	15129	49.97
4	4040	110	713	4863	1503	1123	168	3058	3580	-203	-138	11099	1898	12997	1981	14978	50.14
5	4061	110	712	4883	1549	1099	167	3058	3657	-203	-127	11228	1932	13160	1943	15103	50.05
6	4070	115	702	4887	1541	902	167	3059	3578	-203	-129	10946	2457	13403	1949	15352	49.79
7	4086	122	712	4920	1549	973	169	3219	2497	-185	-91	10017	3610	13627	1933	15560	50.04
8	4075	131	709	4915	1546	948	167	3265	3202	-235	-173	10605	3290	13895	1942	15837	50.02
9	4117	116	707	4940	1545	914	171	3403	3902	-369	-308	11164	3050	14214	2114	16328	50.07
10	4065	190	704	4959	1540	868	170	3554	4112	-527	-468	11181	3384	14565	2451	17016	49.98
11	4058	212	695	4965	1535	805	171	3601	4037	-574	-518	10995	3678	14673	2665	17338	49.94
12	4042	160	684	4886	1335	725	169	3645	4394	-621	-558	10974	3970	14944	2802	17746	49.82
13	3745	207	683	4635	1211	706	168	3643	5192	-621	-552	11383	3850	15233	2803	18036	49.79
14	3698	374	681	4753	1211	762	166	3644	5216	-621	-559	11572	3565	15137	2765	17902	49.73
15	3716	725	678	5119	1257	753	166	3644	4627	-621	-554	11368	3753	15121	2826	17947	49.69
16	3764	341	680	4785	1469	753	167	3643	4545	-621	-551	11168	4144	15312	2868	18180	49.75
17	3611	251	682	4544	1529	752	166	3642	4942	-621	-554	11379	4070	15449	2835	18284	49.83
18	3437	243	684	4364	1532	1044	168	3549	4600	-524	-459	11249	4070	15319	2716	18035	49.85
19	3422	375	686	4483	1534	934	169	3268	3835	-450	-380	10575	4426	15001	2564	17565	49.90
20	3532	820	690	5042	1532	973	169	3326	3873	-473	-406	11206	4541	15747	2587	18334	49.69
21	3677	1166	694	5537	1538	925	170	3325	3474	-473	-416	11275	4030	15305	2642	17947	49.76
22	3809	765	694	5268	1537	1006	166	3280	4505	-428	-365	12164	3682	15846	2608	18454	49.76
23	3831	609	696	5136	1538	981	167	3232	4232	-383	-317	11784	3131	14915	2487	17402	49.82
24	3766	463	694	4923	1539	948	166	3319	3975	-437	-372	11226	3108	14334	2444	16778	49.75
MUs	92.84	7.97	16.71	117.52	35.67	22.02	4.03	80.79	97.04	-10.23	-8.63	267.98	79.39	347.38	58.45	405.82	49.89

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 27/May/2010

Position as on 6.30 Hrs of 28/May/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	30/05/2010
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.	30/05/2010
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.	30/05/2010
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 1	30	23/05/2010	21:54	27/05/2010	23.26	W/DN due to main Steam line leakage.	
Dabhol 2A	230	27/05/2010	11.23	27/05/2010	13.51	Fire protection.	
Dabhol 2X	290	27/05/2010	11.27	27/05/2010	14.45	Hand Tripped.	
Parli Unit 7	250	27/05/2010	11.55	27/05/2010	15.15	Loss of fuel.	
Parli Unit 6	250	27/05/2010	12.04	27/05/2010	19.10	Drum level low.	
Paras Unit 3	250	27/05/2010	16.36	27/05/2010	19.40	Flame failure.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 27/May/2010

Position as on 6.30 Hrs of 28/May/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Kolhapur-Mapusa Ckt I	25/05/2010	08.30	27/05/2010	11.15	Line on TBC, own breaker gas leakage problem.
Kolhapur-Mapusa-II	27/05/2010	12.50	27/05/2010	16.35	Relay replacement, line taken on TBC.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Nasik-Navsari -II	27/05/2010	09.40	27/05/2010	18.03	Premansoon maint. work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Aurangabad - I	09/04/2010	13.00		Continued.	To control Aurangabad ICT loading.
Wardha - Akola - II	29/04/2010	11.37		Continued.	Due to line loading.
Dhule-Sar'Sarovar - II	24/05/2010	23.34		Continued.	For Over Voltage.
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.
N.Koyna-jaigad-I	21/05/2010	12.28		Continued.	Maintenance Work.
Parly - Chandrapur - II	27/05/2010	07.09	27/05/2010	19.18	Replacement of faulty disc insulator
Lonikand-Parli-I	27/05/2010	07.09	27/05/2010	19.16	Replacement of faulty disc insulator
Parli-Solapur	27/05/2010	08.10		Continued.	Line taken on TBC due to Bus-II side isolator problem.
Main Bus-I at 400 KV Parli	27/05/2010	08.15		Continued.	Replacement of interconnecting clamp.
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 to be 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.
Bhigwan-Kalyani	27/05/2010	08.10	27/05/2010	13.33	Replacement of faulty disc insulator
Warora-Hinganghat	27/05/2010	08.30	27/05/2010	17.16	Installation of new B Phase coupling condenser.
220/132 KV 200 MVA ICT - II at Theur	27/05/2010	09.55	27/05/2010	20.00	Maintenance work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	24/05/2010	18.01		Continued.	For Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
400/11.5/6.6 KV 70 MVA Stn. T/F 5B at 400KV Khaparkheda	25/04/2010	03.59		Continued.	B-Ph, HV bushing burst and caught fire.
Voltage Level : 220KV			Outage Type TRIPPED		
Karad-Pedambe	27/05/2010	06.02	27/05/2010	17.38	Distance protection.
Bhusawal-Chalisingaon-II	27/05/2010	14.05	27/05/2010	14.26	Distance protection.
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 Capacitor Bank @ Nanded	24/04/2010	21.45		Continued.	Capacitor Bank Breaker Burst.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 28/May/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	75
Unit 2	105	70
Unit 3	105	70
Unit 4	105	70
Unit 5	200	145
Unit 6	210	130
Unit 7	210	145
	1040	705
Bhusawal		
Unit 1	58	50
Unit 2	210	170
Unit 3	210	170
	478	390
Parli		
Unit 1	30	22
Unit 2	30	22
Unit 3	210	160
Unit 4	210	165
Unit 5	210	145
Unit 6	250	250
Unit 7	250	
	1190	764
Chandrapur		
Unit 1	210	0
Unit 2	210	0
Unit 3	210	0
Unit 4	210	160
Unit 5	500	0
Unit 6	500	0
Unit 7	500	0
	2340	160
Paras		
Unit 2	55	44
Unit 3	250	220
Unit 4	250	
	555	264
Khaparkheda		
Unit 1	210	210
Unit 2	210	180
Unit 3	210	190
Unit 4	210	190
	840	770
Nasik		
Unit 1	120	95
Unit 2	120	90
Unit 3	210	200
Unit 4	210	190
Unit 5	210	200
	870	775
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	36
VTRNA	60	60
TILLARI	60	0
BHTGR/VEER	21	5
BHIRA T.R.	80	40
RNGR+BHTSA	20	0
BHANDARDRA	45	15
ELDARY	23	0
SMLHY PTN	12	13
GHATGHAR	250	0
	611	169
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	415
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1892
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3357
	3143	3357

	17376	13106
--	--------------	--------------