



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

State Load Dispatch Center, Airoli

Daily system Report

for

14/May/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 14/May/2010 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	90.767	1301.871	1) Madhya Pradesh	48.469	938.670
2) Hydro	35.692	358.528	2) Gujrat	25.761	316.476
3) Gas	16.514	229.072	3) Goa	-6.862	-86.407
Total MSGENCO	142.973	1889.471	4) TAPS 1&2 (Inj.)	7.123	99.801
B) OTHERS			5) Pench (Excess)	-0.800	-3.776
1) RGPPL Gas	37.479	448.547	# Total Cent. Sector	73.691	1264.764
2) Wind Generation	13.544	122.789	F) Other Exchanges		
3) CPP	3.782	57.143	1) With TPCL (Excess)	-8.531	-119.210
4) PENCH (MS)	0.800	3.776	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	5.558	97.948
1) TPCL Thermal	33.324	455.970	Include PX	0.454	37.586
2) TPCL Hydro	4.472	43.485	2) MUMBAI Bilateral	9.164	132.522
TOTAL TPCL	37.796	499.455	Include PX	0.794	18.505
3) REL Thermal	12.498	174.379	3) MUMBAI Schedule	9.164	132.522
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	136.589	1932.220	1) MSEDCL	263.738	3667.280
2) Hydro (A2+B3+C2)	40.964	405.789	2) TPCL	38.021	504.967
3) Gas (A3+B1)	53.993	677.619	3) REL	20.802	288.131
4) Wind (B2)	13.544	122.789	TOTAL STATE	322.561	4460.378
5) CPP (B3)	3.782	57.143			
TOTAL STATE	248.872	3195.560			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	3995	3921	3762
MSGENCO Hydro	1376	1092	1522
MSGENCO Gas	684	686	692
MSGENCO Total Generation	6055	5699	5976
Central Sector Receipt	3188	3511	2535
RGPPL	1553	1545	1571
WIND	486	673	632
CPP	143	172	142
Exchange with TPCL	-479	-420	-138
MSEDCL DEMAND MET	10995	11229	10766
Load Shedding	4461	4757	2028
MSEDCL DEMAND (INCL. LS)	15456	15986	12794
TPCL GENERATION	1916	1720	1291
REL GENERATION	520	519	521
TPCL+REL DEMAND	2915	2659	1950
STATE DEMAND MET	13910	13888	12716
STATE DEMAND (INCL. LS)	18371	18645	14744
Frequency (Hz)	49.52	49.56	49.39
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			6414 MW AT 22.00 HRS
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			123.81 MUS

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.28 Hz at 17.33 Hrs	48.94 Hz at 05.14 Hrs	49.51	.42 % 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 14/May/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.62	23.70	77	60	65
Unit 2	1.63	22.93	75	62	65
Unit 3	1.68	25.16	78	54	70
Unit 4	0.00	0.01	0	0	0
Unit 5	2.64	38.03	128	79	110
Unit 6	2.79	34.95	137	45	120
Unit 7	2.98	44.00	149	76	140
	13.34	188.78			570
Bhusawal					
Unit 1	0.97	13.84	47	34	50
Unit 2	4.23	59.91	184	162	195
Unit 3	4.34	44.46	190	174	195
	9.53	118.21			440
Parli					
Unit 1	0.59	7.89	26	23	22
Unit 2	0.51	7.59	23	19	22
Unit 3	3.95	55.13	184	148	170
Unit 4	3.26	53.73	192	0	0
Unit 5	3.58	53.98	165	137	170
Unit 6	6.06	82.37	256	249	250
Unit 7	3.41	57.51	259	0	
	21.36	318.20			634
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	4.38	58.90	188	174	180
Unit 4	0.00	0.00	0	0	0
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
	4.38	58.90			180
Paras					
Unit 2	0.56	12.53	24	22	44
Unit 3	5.29	58.55	232	197	210
Unit 4	3.93	56.50	223	97	
	9.78	127.58			254
Khaparkheda					
Unit 1	4.96	63.92	216	189	210
Unit 2	3.33	58.73	185	0	180
Unit 3	4.63	62.62	200	190	190
Unit 4	4.19	56.30	194	112	190
	17.11	241.57			770
Nasik					
Unit 1	0.00	27.36	0	0	0
Unit 2	2.12	29.48	97	82	88
Unit 3	4.35	65.37	198	162	191
Unit 4	4.33	62.43	190	170	196
Unit 5	4.46	63.98	199	176	185
	15.26	248.63			660
Koyna					
Stage 1-2	7.64	79.06	500	40	600
Stage 4	18.88	182.14	1115	116	250
Stage 3	5.32	55.98	320	80	320
	31.85	317.18			1170
Kovna 12&4 Total	26.53	261.20			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		16.51	229.07	704	651	670
		16.51	229.07			670
Hydro						
KDPH		0.43	4.77	18	17	18
VTRNA		0.43	3.47	61	0	0
TILLARI		0.36	4.80	60	0	60
BHTGR/VEER		0.48	5.62	20	20	10
BHIRA T.R.		0.17	1.70	41	0	40
RNGR+BHTSA		0.48	3.90	20	20	12
BHANDARDRA		0.82	5.82	34	34	19
ELDARY		0.00	0.00	0	0	0
SMLHY PTN		0.58	8.24	32	22	18
GHATGHAR		0.10	3.03	104	0	0
		3.85	41.35			177
PENCH (MS)						
Pench (MS)		0.80	3.78	49	0	
		0.80	3.78			
Wind						
MalharPeth		0.32	2.87			
Vankuswadi		0.64	6.56			
ATIT		0.36	2.49			
Kale		0.32	2.91			
Satara		0.43	4.53			
Shirala		0.31	2.83			
K Mahankal		0.07	1.88			
Supa		0.14	2.52			
Vita		1.03	10.46			
Dondaicha		6.73	55.74			
Sakri		1.07	8.46			
Nandurbar		0.86	7.21			
Khadakale		0.69	8.54			
Khaparale		0.58	5.80			
		13.54	122.79			
CPP						
TOTAL CPP		3.78	57.14			
		3.78	57.14			
Dabhol						
RGPPL		37.48	448.55	1583	1545	1510
		37.48	448.55			1510
Tata						
Trombay 4		2.61	23.02	110	107	110
Trombay 5		9.84	136.98	410	405	415
Trombay 6		10.55	150.72	510	220	500
Trombay 7A		2.79	39.04	118	114	120
Trombay 7B		1.55	21.93	65	64	60
Trombay 8		5.99	84.28	251	232	250
TATA Hydro		4.47	43.48	458	0	447
		37.80	499.46			1902
REL						
1&2		12.50	174.38	523	518	500
		12.50	174.38			500
Cent Sect						
Share						2914
						2914
MS PG CL	Thermal	90.77	1301.87			3508
	Thml+Gas	107.28	1530.94			4178
	Hydro	35.69	358.53			1347
	Total	142.97	1889.47			5525
State Total		248.87	3195.56			12351

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 14/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	3940	1566	690	6196	1567	591	142	2711	2716	-304	-275	10985	1736	12721	2321	15042	49.35
2	3830	1491	690	6011	1567	660	140	2620	2541	-214	-184	10783	2284	13067	2123	15190	49.33
3	3762	1522	692	5976	1571	632	142	2577	2535	-169	-138	10766	2028	12794	1950	14744	49.39
4	3783	1878	694	6355	1572	711	143	2577	2701	-169	-128	11396	1966	13362	1883	15245	49.38
5	3793	2038	703	6534	1583	632	143	2578	2671	-169	-122	11458	2144	13602	1847	15449	49.67
6	3685	1849	698	6232	1570	459	143	2578	2944	-169	-147	11201	3426	14627	1871	16498	49.42
7	3765	634	702	5101	1559	525	140	2699	2915	-205	-165	10075	4471	14546	1859	16405	49.56
8	3860	866	701	5427	1560	404	149	2698	2939	-205	-166	10337	4137	14474	1900	16374	49.65
9	3862	968	704	5534	1557	453	143	2837	2800	-339	-307	10208	4543	14751	2159	16910	49.62
10	3866	1024	697	5587	1554	478	143	2981	3052	-463	-440	10423	4681	15104	2529	17633	49.62
11	3944	1166	690	5800	1555	552	143	3025	3055	-510	-483	10671	4623	15294	2810	18104	49.62
12	3995	1376	684	6055	1553	486	143	3022	3188	-510	-479	10995	4461	15456	2915	18371	49.52
13	3830	1605	685	6120	1553	576	160	2994	3168	-510	-505	11121	4336	15457	2935	18392	49.58
14	3710	1950	670	6330	1549	481	181	3065	3174	-510	-505	11230	4032	15262	2851	18113	49.45
15	3741	1896	651	6288	1552	522	176	3107	3152	-576	-571	11143	4161	15304	2948	18252	49.48
16	3735	1672	671	6078	1547	469	180	3149	3085	-576	-570	10813	4480	15293	2980	18273	49.39
17	3708	1599	678	5985	1556	635	181	3153	3174	-514	-508	11047	4420	15467	2939	18406	49.56
18	3784	1311	684	5779	1562	735	199	3228	3428	-517	-511	11202	4234	15436	2826	18262	49.64
19	3902	734	691	5327	1562	775	183	3146	3179	-429	-419	10631	4616	15247	2666	17913	49.64
20	3921	1092	686	5699	1545	673	172	3227	3511	-429	-420	11229	4757	15986	2659	18645	49.56
21	3640	1825	685	6150	1568	600	161	3172	3363	-429	-384	11507	4344	15851	2568	18419	49.45
22	3568	1873	690	6131	1572	470	157	3175	3564	-429	-383	11560	4507	16067	2462	18529	49.53
23	3609	1875	688	6172	1571	498	159	3075	3579	-429	-385	11643	3350	14993	2437	17430	49.46
24	3534	1882	690	6106	1574	527	159	2960	3257	-389	-336	11314	3708	15022	2387	17409	49.46
MUs	90.77	35.69	16.51	142.97	37.48	13.54	3.78	70.35	73.69	-9.16	-8.53	263.74	91.44	355.18	58.82	414.01	49.51

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 14/May/2010

Position as on 6.30 Hrs of 15/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 (V-1)	210	25/04/2010	23.30		Continued.	Annual Overhaul.	20/05/2010
Chandrapur Unit 4	210	28/04/2010	22.53		Continued.	Water Balancing problem	15/06/2010
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	
Koradi Unit 4	115	01/05/2010	00.23		Continued.	Commutator problem.	19/05/2010
Cent_Sect NTPC(K-4)	500	09/05/2010	07.00		Continued.	Boiler Tube Leakage.	20/05/2010
Nasik Unit 1	125	13/05/2010	09:55		Continued.	Boiler Tube Leakage.	17/05/2010
Cent_Sect sipat-5	500	13/05/2010	23:02		Continued.	No Bunkering.	15/05/2010
Khaparkheda Unit 2	210	14/05/2010	01:23	14/05/2010	05:57	P T Fuse Failure.	15/05/2010
Parli Unit 4	210	14/05/2010	05:14	14/05/2010	14.05	Furnace Draft high.	
Parli Unit 7	250	14/05/2010	12.25	14/05/2010	17.02	Feed pump problem.	
Parli Unit 7	250	14/05/2010	20.07		Continued.	UAT problem.	15/05/2010
Koradi Unit 5	200	15/05/2010	6:19		Continued.	Flame Failure	16/05/2010

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 14/May/2010

Position as on 6.30 Hrs of 15/May/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tarapur - Borivali	14/05/2010	09.59	14/05/2010	18.05	Insulator Replacement.
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	09/05/2010	08.46	14/05/2010	08.32	For Over Voltage.
Dhule-Sar'Sarovar - I	13/05/2010	23.33		Continued.	H/T at SSP end
Dhule-Sar'Sarovar - II	15/05/2010	00.13		Continued.	For Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Lonikand- Koyna Stage IV	20/04/2010	21.59		Continued.	29B Isolator Replacement, Hot Spot Work, Line on TBC.
400/11.5KV, 90MVA STN T/F V At 400 KV C'pur	29/04/2010	10.00		Continued.	L V Breaker & L V Bus Duct Maint. Work.
400/220 KV, 315 MVA ICT II JEJURI	05/05/2010	09.00		Continued.	Own breaker problem. Taken on tie breaker.
50 MVAR Line Reactor of LN at Parli.	13/05/2010	07.58		Continued.	Overhauling of line reactor of Lonikand -I at Parli.
Lonikand-Parly -I	13/05/2010	07:58		Continued.	H/T for reactor O/H Outage.
Parli - Lamboti	13/05/2010	11.58		Continued.	Taken on TBC @ Parly.
400 KV Main Bus - I at Parli.	13/05/2010	20:58		Continued.	Replacement of CVT and Wave trap Parli - Lonikand - I.
400/220KV 315 MVA ICT-I at padgha	14/05/2010	08.50	14/05/2010	18.13	Seperation of A.C.D.C. Supply of R Ph Unit.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV, 100 MVA ICT-I At Kalmeshwar	20/02/2010	10.34		Continued.	ICT replacement work.
220/132 KV, 100 MVA T/F-II @ Malegaon	08/04/2010	08.55		Continued.	ICT to be replaced with new 200MVA ICT
220/132 150MVA ICT-II at Nanded	29/04/2010	08.30		Continued.	Augumentation By 200 MVA ICT.
220/132kv 100MVA ICT-III at padegaon	12/05/2010	13.30		Continued.	Replacement of 100 MVA ICT By 200 MVA ICT.
Bableshtar-Bhenda	14/05/2010	05.55	14/05/2010	20.04	Resagging & Reconducting of Line.
Parbhani-Pusad	14/05/2010	07.42	14/05/2010	17.07	Replacement of Earthwire.
220/100KV 125 MVA ICT-I at Kalwa	14/05/2010	08.14	14/05/2010	12.18	Replacement of R Ph 100 KV Side Bushing Clamp.
ONGC-TSS	14/05/2010	08.30	14/05/2010	13.00	Breaker Drive Overhauling.
Talangade - Mudshingi - I	14/05/2010	08.32	14/05/2010	17.10	Replacement of Control & Relay Panel.
Jindal - Ghatghar	14/05/2010	09.05		Continued.	Conductor Replacement Work.
Kharepatan-Pawas	14/05/2010	09.17	14/05/2010	18.10	Hand Cleaning & Wahing of Line Insulator
Aurangabad - Padegaon - I.	14/05/2010	10.01	14/05/2010	20.05	Maintenance Work.
Sonkar - Nerul	14/05/2010	12.55	14/05/2010	15.07	Taking Trials of Newly Installed Remote Scada System.
Trombay - Sonkar	14/05/2010	16.05	14/05/2010	19.26	Taking Trails of Newly Installed Remote Scada System.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	14/05/2010	20.33		Continued.	For Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 14/May/2010

Position as on 6.30 Hrs of 15/May/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
220/132 KV 100 MVA ICT - I @ Ranjangaon	14/05/2010	20.45		Continued.	For Taking Load on ICT-II.
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.
C'pur-Parli CKT .I	13/05/2010	08:06		Continued.	Trip Bus fault at parly.
Chandrapur-Khaparkheda	13/05/2010	23.12	14/05/2010	12.42	Trip on O/V
Koradi - Bhusawal	14/05/2010	10.26	14/05/2010	11.00	Distance Protection.
Voltage Level : 220KV			Outage Type TRIPPED		
Aurangabad - BBLSR	14/05/2010	12.30		Continued.	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 Capaciter Bank @ Nanded	24/04/2010	21.45		Continued.	Capaciter Bank Breaker Burst.
Kardha-Sakoli	07/05/2010	17.40		Continued.	Y phase Breaker Pole Burst at Kardha

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 15/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	0
Unit 5	200	105
Unit 6	210	120
Unit 7	210	60
	1040	500
Bhusawal		
Unit 1	58	50
Unit 2	210	195
Unit 3	210	195
	478	440
Parli		
Unit 1	30	22
Unit 2	30	22
Unit 3	210	180
Unit 4	210	180
Unit 5	210	150
Unit 6	250	250
Unit 7	250	0
	1190	804
Chandrapur		
Unit 1	210	0
Unit 2	210	0
Unit 3	210	180
Unit 4	210	0
Unit 5	500	0
Unit 6	500	0
Unit 7	500	0
	2340	180
Paras		
Unit 2	55	25
Unit 3	250	240
Unit 4	250	0
	555	265
Khaparkheda		
Unit 1	210	210
Unit 2	210	100
Unit 3	210	190
Unit 4	210	115
	840	615
Nasik		
Unit 1	120	0
Unit 2	120	90
Unit 3	210	200
Unit 4	210	190
Unit 5	210	200
	870	680
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	18
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	11
BHIRA T.R.	80	40
RNGR+BHTSA	20	16
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	22
GHATGHAR	250	0
	611	167
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	3110
	3143	3110

	17376	7 of 7	12513
--	--------------	--------	--------------