



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

State Load Dispatch Center, Airoli

Daily system Report

for

13/May/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 13/May/2010 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	97.511	1211.104	1) Madhya Pradesh	51.605	890.201
2) Hydro	36.488	322.836	2) Gujrat	25.439	290.715
3) Gas	16.647	212.558	3) Goa	-6.650	-79.545
Total MSGENCO	150.646	1746.498	4) TAPS 1&2 (Inj.)	7.110	92.678
B) OTHERS			5) Pench (Excess)	-0.560	-2.976
1) RGPPL Gas	32.278	411.068	# Total Cent. Sector	76.944	1191.073
2) Wind Generation	11.484	109.245	F) Other Exchanges		
3) CPP	5.380	53.361	1) With TPCL (Excess)	-9.039	-110.679
4) PENCH (MS)	0.560	2.976	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	7.149	90.878
1) TPCL Thermal	33.286	422.646	Include PX	1.993	37.132
2) TPCL Hydro	3.793	39.013	2) MUMBAI Bilateral	9.844	124.630
TOTAL TPCL	37.079	461.659	Include PX	1.504	17.712
3) REL Thermal	12.474	161.881	3) MUMBAI Schedule	9.844	124.630
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	143.271	1795.631	1) MSEDCL	268.253	3403.542
2) Hydro (A2+B3+C2)	40.841	364.825	2) TPCL	37.745	466.946
3) Gas (A3+B1)	48.925	623.626	3) REL	20.846	267.329
4) Wind (B2)	11.484	109.245	TOTAL STATE	326.844	4137.817
5) CPP (B3)	5.380	53.361			
TOTAL STATE	249.901	2946.688			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4045	3746	4112
MSGENCO Hydro	1702	1746	1623
MSGENCO Gas	680	691	702
MSGENCO Total Generation	6427	6183	6437
Central Sector Receipt	3443	3179	3027
RGPPL	1377	1533	971
WIND	444	377	524
CPP	221	259	216
Exchange with TPCL	-610	-567	-121
MSEDCL DEMAND MET	11316	11010	11054
Load Shedding	4117	4736	2050
MSEDCL DEMAND (INCL. LS)	15433	15746	13104
TPCL GENERATION	1753	1847	1344
REL GENERATION	519	521	521
TPCL+REL DEMAND	2882	2935	1986
STATE DEMAND MET	14198	13945	13040
STATE DEMAND (INCL. LS)	18315	18681	15090
Frequency (Hz)	49.34	49.63	49.64
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			6327 MW at 17:00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			122.08 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.33 Hz at 06.03 Hrs	48.77 Hz at 23.07 Hrs	49.56	1.26 % 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 13/May/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.76	22.08	82	60	80
Unit 2	1.74	21.30	79	61	78
Unit 3	1.74	23.48	86	54	75
Unit 4	0.00	0.01	0	0	0
Unit 5	2.64	35.39	138	79	135
Unit 6	2.86	32.16	136	100	130
Unit 7	3.09	41.03	154	69	140
	13.83	175.44			638
Bhusawal					
Unit 1	1.09	12.87	50	37	50
Unit 2	4.30	55.68	190	167	195
Unit 3	4.34	40.12	191	160	195
	9.73	108.68			440
Parli					
Unit 1	0.57	7.30	26	21	22
Unit 2	0.55	7.08	24	22	22
Unit 3	4.12	51.18	183	154	180
Unit 4	4.08	50.47	183	148	180
Unit 5	3.91	50.40	183	137	180
Unit 6	5.41	76.30	255	121	250
Unit 7	5.81	54.10	257	230	
	24.45	296.84			834
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	3.52	54.52	185	98	100
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
	3.52	54.52			100
Paras					
Unit 2	1.01	11.97	44	40	46
Unit 3	5.55	53.26	242	216	240
Unit 4	5.05	52.57	229	196	
	11.61	117.80			286
Khaparkheda					
Unit 1	4.62	58.96	213	172	210
Unit 2	4.23	55.40	186	158	180
Unit 3	4.62	57.99	197	188	190
Unit 4	4.39	52.11	195	166	190
	17.86	224.46			770
Nasik					
Unit 1	0.89	27.36	94	0	100
Unit 2	2.19	27.36	103	82	90
Unit 3	4.57	61.02	202	175	200
Unit 4	4.40	58.10	190	170	190
Unit 5	4.46	59.52	192	171	200
	16.50	233.37			780
Koyna					
Stage 1-2	7.92	71.42	530	60	600
Stage 4	19.15	163.26	1115	0	250
Stage 3	6.06	50.66	320	0	320
	33.13	285.34			1170
Kovna 12&4 Total	27.07	234.68			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		16.65	212.56	711	679	670
		16.65	212.56			670
Hydro						
KDPH		0.41	4.34	18	17	34
VTRNA		0.00	3.04	0	0	0
TILLARI		0.39	4.44	60	0	60
BHTGR/VEER		0.48	5.14	20	20	20
BHIRA T.R.		0.16	1.53	41	0	40
RNGR+BHTSA		0.26	3.42	11	11	12
BHANDARDRA		0.75	5.01	33	29	20
ELDARY		0.00	0.00	0	0	0
SMLHY PTN		0.91	7.66	46	36	8
GHATGHAR		0.00	2.93	0	0	0
		3.36	37.50			194
PENCH (MS)						
Pench (MS)		0.56	2.98	49	0	
		0.56	2.98			
Wind						
MalharPeth		0.34	2.55			
Vankuswadi		0.65	5.92			
ATIT		0.33	2.13			
Kale		0.28	2.59			
Satara		0.39	4.10			
Shirala		0.32	2.52			
K Mahankal		0.09	1.81			
Supa		0.25	2.39			
Vita		1.11	9.42			
Dondaicha		5.09	49.00			
Sakri		0.73	7.38			
Nandurbar		0.73	6.35			
Khadakale		0.66	7.86			
Khaparale		0.51	5.21			
		11.48	109.24			
CPP						
TOTAL CPP		5.38	53.36			
		5.38	53.36			
Dabhol						
RGPPL		32.28	411.07	1549	953	1500
		32.28	411.07			1500
Tata						
Trombay 4		2.62	20.41	112	108	110
Trombay 5		9.83	127.14	410	400	415
Trombay 6		10.49	140.18	510	220	500
Trombay 7A		2.79	36.25	119	114	120
Trombay 7B		1.55	20.38	65	64	60
Trombay 8		6.00	78.29	255	241	250
TATA Hydro		3.79	39.01	386	0	447
		37.08	461.66			1902
REL						
1&2		12.47	161.88	522	517	500
		12.47	161.88			500
Cent Sect						
Share						3202
						3202
MS PG CL	Thermal	97.51	1211.10			3848
	Thml+Gas	114.16	1423.66			4518
	Hydro	36.49	322.84			1364
	Total	150.65	1746.50			5882
State Total		249.90	2946.69			12986

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 13/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	4189	1916	698	6803	953	396	216	3038	3398	-338	-298	11492	1741	13233	2345	15578	49.55
2	4143	1532	690	6365	957	456	216	2908	2953	-209	-171	10776	2305	13081	2123	15204	49.48
3	4112	1623	702	6437	971	524	216	2865	3027	-164	-121	11054	2050	13104	1986	15090	49.64
4	4216	1644	702	6562	1038	594	216	2865	3080	-164	-125	11365	1900	13265	1903	15168	49.64
5	4192	1841	707	6740	1135	601	218	2802	3012	-97	-58	11648	1925	13573	1792	15365	49.70
6	4235	1784	708	6727	1241	527	216	2793	2892	-61	-26	11577	2442	14019	1753	15772	49.66
7	4284	550	711	5545	1236	647	217	2976	3199	-201	-174	10670	3725	14395	1867	16262	49.70
8	4294	188	707	5189	1234	479	219	2925	3148	-201	-162	10107	3967	14074	1863	15937	49.71
9	4230	376	694	5300	1231	492	217	3037	3237	-335	-303	10188	4238	14426	2072	16498	49.54
10	4205	851	685	5741	1234	422	217	3151	3229	-467	-437	10426	4307	14733	2499	17232	49.49
11	4122	1342	679	6143	1268	390	218	3168	3271	-562	-534	10777	4274	15051	2765	17816	49.49
12	4045	1702	680	6427	1377	444	221	3254	3443	-656	-610	11316	4117	15433	2882	18315	49.34
13	4065	2012	681	6758	1516	316	238	3207	3173	-704	-684	11338	3999	15337	2937	18274	49.43
14	4041	2079	679	6799	1520	319	239	3169	3319	-658	-643	11567	3896	15463	2865	18328	49.33
15	3918	1947	682	6547	1527	269	235	3188	3340	-705	-674	11286	4495	15781	2938	18719	49.49
16	3869	1948	682	6499	1521	269	251	3205	3292	-705	-705	11172	4368	15540	2975	18515	49.41
17	3746	1746	691	6183	1533	377	259	3118	3179	-596	-567	11010	4736	15746	2935	18681	49.63
18	3743	1719	695	6157	1538	534	237	3066	3302	-516	-490	11320	4056	15376	2832	18208	49.66
19	3910	1154	705	5769	1549	673	228	2955	3028	-424	-385	10882	4542	15424	2627	18051	49.83
20	4005	1014	706	5725	1543	650	216	3073	3430	-424	-408	11200	4645	15845	2635	18480	49.76
21	3980	1719	700	6399	1542	625	216	3077	3356	-424	-377	11807	4143	15950	2609	18559	49.62
22	3986	1927	691	6604	1544	510	218	3079	3404	-424	-376	11953	3779	15732	2495	18227	49.61
23	3977	2071	686	6734	1536	475	218	3006	3313	-424	-376	11949	3543	15492	2452	17944	49.35
24	4004	1803	686	6493	1534	495	218	2891	2919	-384	-335	11373	3715	15088	2442	17530	49.29
MUs	97.51	36.49	16.65	150.65	32.28	11.48	5.38	72.82	76.94	-9.84	-9.04	268.25	86.91	355.16	58.59	413.75	49.56

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 13/May/2010

Position as on 6.30 Hrs of 14/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
Dabhol 1B	230	11/05/2010	12.30	13/05/2010	09:39	Electrical fault.	
Dabhol 1X	290	11/05/2010	12.30	13/05/2010	02.35	Electrical fault.	
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.	
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		Continued.	Furnace Draft high.	15/05/2010

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 13/May/2010

Position as on 6.30 Hrs of 14/May/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
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		Continued.	For Over Voltage.
Dhule-Sar'Sarovar - I	13/05/2010	23.33		Continued.	H/T at SSP end
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.
400/220 KV, 315 MVA ICT II JEJURI	05/05/2010	09.00		Continued.	Own breaker problem. Taken on tie breaker.
Lonikand-Parly -I	13/05/2010	07:58		Continued.	H/T for reactor O/H Outage.
400 KV Main Bus - I at Parli.	13/05/2010	20:58		Continued.	Replacement of CVT and Wave trap Parli - Lonikand - I.
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 KV Main Bus & Aux Bus at Urse	13/05/2010	10:25	13/05/2010	19:12	Const. work of T/F Augmentation work.
Ghatghar - Washala	13/05/2010	10:30	13/05/2010	12:55	Maint. Work.
Chinchwad - Hinjewadi	13/05/2010	14:18	13/05/2010	17:22	Wave trap jumper replacement work.
Bblswr-Bhend	14/05/2010	05:55		Continued.	Resagging and Reconductoring of line to maintain ground clearance.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Lonikand - Bhosari	11/05/2010	12.03		Continued.	Own breaker O/H work. Line on TBC.
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.
Parli-Solapur	13/05/2010	08:05	13/05/2010	11:15	Tripped due to Bus fault at Parli, CKT charged through TBC.
400 KV Bus Coupler at Parli.	13/05/2010	08:05	13/05/2010	18:10	Tripped due to Bus fault at Parli II.
400/220 KV ICT-I at Parli	13/05/2010	08:06	13/05/2010	09:50	Trip Bus fault at Parly.
400 KV Main Bus - I at Parli.	13/05/2010	08:06	13/05/2010	18:11	Bus fault.
C'pur-Parli II	13/05/2010	08:06	13/05/2010	12:07	Trip Bus fault at Parly.
C'pur-Parli CKT .I	13/05/2010	08:06		Continued.	Trip Bus fault at parly.
Parli - Lamboti	13/05/2010	08:06	13/05/2010	11:58	Trip Bus fault at Parly.
Chandrapur-Khaparkheda	13/05/2010	23.12		Continued.	Trip on O/V
Voltage Level : 220KV			Outage Type TRIPPED		
Karad-Wathar	13/05/2010	08:06	13/05/2010	08:20	Heavy Jerk trip.
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.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 13/May/2010

Position as on 6.30 Hrs of 14/May/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Kardha-Sakoli	07/05/2010	17.40		Continued.	Y phase Breaker Pole Burst at Kardha
Nandurbar - Visarwadi	13/05/2010	07:50	13/05/2010	09:10	Distance Protection Operated Zone 1.
Kanhan-Pardi	13/05/2010	12:48	13/05/2010	13:22	Tripped on back up, O/C Prot.
Ambazari - Mankapur	13/05/2010	12:48	13/05/2010	13:19	Tripped on back up O/C Protn.
Ambazari - Hingna - I	13/05/2010	12:48	13/05/2010	13:16	Tripped on back up O/C Protn.
Ambazari-Hingna-II	13/05/2010	12:48	13/05/2010	14:43	Tripped on Dist. Protn.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 14/May/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	65
Unit 2	105	65
Unit 3	105	70
Unit 4	105	0
Unit 5	200	110
Unit 6	210	120
Unit 7	210	140
	1040	570
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	170
Unit 4	210	0
Unit 5	210	170
Unit 6	250	250
Unit 7	250	
	1190	634
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	44
Unit 3	250	210
Unit 4	250	
	555	254
Khaparkheda		
Unit 1	210	210
Unit 2	210	180
Unit 3	210	190
Unit 4	210	190
	840	770
Nasik		
Unit 1	120	0
Unit 2	120	88
Unit 3	210	191
Unit 4	210	196
Unit 5	210	185
	870	660
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	10
BHIRA T.R.	80	40
RNGR+BHTSA	20	12
BHANDARDRA	45	19
ELDARY	23	0
SMLHY PTN	12	18
GHATGHAR	250	0
	611	177
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	1510
	960	1510
Tata		
Trombay 4	150	110
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	1902
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	2914
	3143	2914