



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

State Load Dispatch Center, Airoli

Daily system Report

for

04/Jul/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 04/Jul/2010 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	71.095	310.596	1) Madhya Pradesh	63.945	221.373
2) Hydro	3.390	32.251	2) Gujrat	21.520	71.153
3) Gas	15.481	60.500	3) Goa	-4.896	-22.382
Total MSGENCO	89.966	403.347	4) TAPS 1&2 (Inj.)	7.233	28.213
B) OTHERS			5) Pench (Excess)	0.000	-0.064
1) RGPPL Gas	27.309	107.335	# Total Cent. Sector	87.802	298.293
2) Wind Generation	10.129	46.567	F) Other Exchanges		
3) CPP	5.183	18.882	1) With TPCL (Excess)	-5.425	-29.006
4) PENCH (MS)	0.000	0.064	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	-2.588	-10.680
1) TPCL Thermal	24.878	113.072	Include PX	2.159	8.443
2) TPCL Hydro	0.478	10.063	2) MUMBAI Bilateral	6.633	33.043
TOTAL TPCL	25.356	123.135	Include PX	2.777	11.453
3) REL Thermal	12.643	50.552	3) MUMBAI Schedule	6.633	33.043
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	108.616	474.220	1) MSEDCL	214.964	845.482
2) Hydro (A2+B3+C2)	3.868	42.378	2) TPCL	27.806	131.737
3) Gas (A3+B1)	42.790	167.835	3) REL	15.617	70.956
4) Wind (B2)	10.129	46.567	TOTAL STATE	258.387	1048.175
5) CPP (B3)	5.183	18.882			
TOTAL STATE	170.586	749.882			

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	2890	3045	2840
MSGENCO Hydro	140	662	49
MSGENCO Gas	626	642	662
MSGENCO Total Generation	3656	4349	3551
Central Sector Receipt	3614	4515	2987
RGPPL	1228	1001	1239
WIND	404	333	517
CPP	200	216	211
Exchange with TPCL	-262	-350	-45
MSEDCL DEMAND MET	8840	10064	8460
Load Shedding	1657	2113	1070
MSEDCL DEMAND (INCL. LS)	10497	12177	9530
TPCL GENERATION	1166	1232	884
REL GENERATION	527	526	527
TPCL+REL DEMAND	1955	2108	1456
STATE DEMAND MET	10795	12172	9916
STATE DEMAND (INCL. LS)	12452	14285	10986
Frequency (Hz)	50.07	49.96	49.78
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3374 MW at 23.00Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			61.18 Mus

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.56 Hz at 09.54 Hrs	49.4 Hz at 00.03 Hrs	49.99	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 04/Jul/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.57	0.57	87	0	0
Unit 3	1.74	5.74	81	46	75
Unit 4	0.10	3.87	34	0	0
Unit 5	0.00	0.00	0	0	0
Unit 6	3.17	12.78	155	100	140
Unit 7	3.24	13.00	170	85	140
	8.83	35.96			355
Bhusawal					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.71	9.94	175	140	160
Unit 3	3.80	15.24	170	150	160
	7.52	25.18			320
Parli					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	0.03	5.30	11	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	2.44	9.03	123	89	110
Unit 6	4.44	16.47	202	160	200
Unit 7	0.00	8.80	0	0	
	6.91	39.59			310
Chandrapur					
Unit 1	2.59	12.17	121	100	140
Unit 2	2.58	11.38	116	102	120
Unit 3	0.00	0.00	0	0	0
Unit 4	3.93	15.80	180	138	190
Unit 5	0.00	0.00	0	0	0
Unit 6	0.12	6.77	115	0	0
Unit 7	0.00	0.00	0	0	0
	9.22	46.11			450
Paras					
Unit 2	0.00	0.00	0	0	0
Unit 3	4.28	19.86	226	116	240
Unit 4	2.99	16.98	180	0	0
	7.26	36.84			240
Khaparkheda					
Unit 1	4.04	14.53	185	140	180
Unit 2	3.72	15.04	177	113	170
Unit 3	4.01	15.78	183	159	180
Unit 4	4.02	15.48	174	159	170
	15.79	60.83			700
Nasik					
Unit 1	1.92	7.12	92	55	70
Unit 2	1.19	6.29	71	31	50
Unit 3	4.24	17.80	185	165	190
Unit 4	4.08	17.49	179	161	190
Unit 5	4.15	17.36	181	165	180
	15.57	66.08			680
Koyna					
Stage 1-2	1.17	9.37	140	35	600
Stage 4	0.00	9.70	0	0	250
Stage 3	0.93	5.68	320	0	320
	2.10	24.74			1170
Koyna 12&4 Total	1.17	19.06			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran					
All Units	15.48	60.50	666	626	630
	15.48	60.50			630
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.00	0	0	0
TILLARI	0.16	0.43	50	0	60
BHTGR/VEER	0.04	0.04	7	0	0
BHIRA T.R.	0.20	1.33	40	0	40
RNGR+BHTSA	0.04	0.16	2	1	0
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY_PTN	0.09	0.23	12	2	2
GHATGHAR	0.76	5.32	250	0	0
	1.29	7.51			102
PENCH (MS)					
Pench (MS)	0.00	0.06	0	0	
	0.00	0.06			
Wind					
MalharPeth	0.47	1.80			
Vankuswadi	1.24	4.71			
ATIT	0.18	0.66			
Kale	0.40	1.64			
Satara	2.28	6.75			
Shirala	0.40	1.43			
K Mahankal	0.06	1.80			
Supa	0.24	0.65			
Vita	3.02	9.69			
Dondaicha	0.31	9.87			
Sakri	0.10	1.72			
Nandurbar	0.05	1.49			
Khadakale	1.11	2.65			
Khaparale	0.26	1.72			
	10.13	46.57			
CPP					
TOTAL CPP	5.18	18.88			
	5.18	18.88			
Dabhol					
RGPPPL	27.31	107.34	1313	916	1200
	27.31	107.34			1200
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	6.66	39.26	390	250	450
Trombay 6	7.80	33.46	450	200	500
Trombay 7A	2.85	10.43	121	117	120
Trombay 7B	1.57	6.00	66	65	60
Trombay 8	6.00	23.93	250	250	250
TATA Hydro	0.48	10.06	70	0	447
	25.36	123.14			1827
REL					
1&2	12.64	50.55	529	525	500
	12.64	50.55			500
Cent Sect					
Share					2741
					2741
MS PG CL	Thermal	71.10	310.60		3055
	Thml+Gas	86.58	371.10		3685
	Hydro	3.39	32.25		1272
	Total	89.97	403.35		4957
State Total	170.59	749.88			11225

State Load Dispatch Center, Airoli (MSETCL)

Hourly Load Data As on 04/Jul/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	2823	160	658	3641	920	419	245	2594	3559	-361	-299	8485	1072	9557	1771	11328	49.70
2	2811	49	661	3521	1139	469	240	2501	3261	-270	-205	8425	1296	9721	1678	11399	49.76
3	2736	64	662	3462	916	475	232	2361	3540	-132	-70	8555	1217	9772	1541	11313	49.77
4	2768	49	662	3479	1131	448	231	2333	3237	-104	-41	8485	1083	9568	1452	11020	49.88
5	2840	49	662	3551	1239	517	211	2334	2987	-104	-45	8460	1070	9530	1456	10986	49.78
6	2951	44	662	3657	1245	504	217	2331	2941	-104	-46	8518	1337	9855	1499	11354	49.89
7	3006	49	666	3721	1245	513	185	2241	2863	-104	-45	8482	1464	9946	1520	11466	49.93
8	3094	44	628	3766	1245	508	204	2298	3062	-148	-90	8695	1207	9902	1562	11464	49.94
9	3020	82	626	3728	1242	445	198	2453	3635	-240	-183	9065	1249	10314	1666	11980	50.08
10	3000	120	632	3752	1239	475	183	2654	3688	-263	-209	9128	1441	10569	1755	12324	50.18
11	2940	148	628	3716	1235	455	196	2738	3446	-310	-259	8789	1541	10330	1859	12189	50.15
12	2890	140	626	3656	1228	404	200	2666	3614	-310	-262	8840	1657	10497	1955	12452	50.07
13	2876	48	638	3562	1228	432	201	2655	3467	-310	-272	8618	1721	10339	2003	12342	50.16
14	2926	48	632	3606	1230	409	221	2651	3711	-310	-273	8904	1469	10373	1968	12341	50.09
15	2919	48	640	3607	1225	388	226	2639	3638	-310	-272	8812	1537	10349	1913	12262	50.04
16	2961	38	638	3637	1227	376	217	2638	3548	-310	-275	8730	1546	10276	1918	12194	50.16
17	2981	48	643	3672	1012	358	186	2650	3708	-310	-254	8682	1480	10162	1892	12054	50.08
18	3058	48	645	3751	995	463	283	2661	3977	-310	-276	9193	1157	10350	1858	12208	50.15
19	3145	220	643	4008	995	411	186	2730	3826	-356	-324	9102	1477	10579	1918	12497	50.06
20	3039	651	647	4337	994	340	189	2836	4182	-356	-329	9713	2180	11893	2018	13911	49.95
21	3045	662	642	4349	1001	333	216	2894	4515	-403	-350	10064	2113	12177	2108	14285	49.96
22	3061	489	643	4193	1002	356	189	2895	4683	-403	-349	10074	1902	11976	2108	14084	49.94
23	3068	46	649	3763	1063	327	274	2853	4607	-403	-351	9683	1679	11362	2029	13391	49.94
24	3133	46	648	3827	1313	306	253	2794	4107	-403	-346	9460	1668	11128	1977	13105	50.02
MUs	71.09	3.39	15.48	89.96	27.31	10.13	5.18	62.40	87.80	-6.63	-5.42	214.96	35.56	250.52	43.42	293.95	49.99

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 04/Jul/2010

Position as on 6.30 Hrs of 05/Jul/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 5	500	16/04/2010	15.49		Continued.	Water Balancing Problem.	08/07/2010
Chandrapur Unit 7	500	25/04/2010	00.23		Continued.	Water Balancing Problem.	08/07/2010
Chandrapur Unit 3	210	26/05/2010	23.59		Continued.	Water Balancing Problem.	08/07/2010
Koradi Unit 5	200	26/06/2010	02:33		Continued.	Annual overhaul	20/07/2010
Cent_Sect NTPC (K-2)	210	30/06/2010	23.46		Continued.	AOH	25/07/2010
Cent_Sect NTPC(V) 9	500	01/07/2010	00.04		Continued.	AOH	25/07/2010
Cent_Sect Kawas ST2C	116	01/07/2010	00.08		Continued.	AOH	25/07/2010
Parli Unit 4	210	05/07/2010	09.27		Continued.	Capital Overhaul	07/08/2010
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	
Paras Unit 2	55	13/06/2010	17.35		Continued.	For Scrapping.	
Uran Unit 3	60	16/06/2010	19.52		Continued.	R.M.Work.	
Tata Trombay 4	150	18/06/2010	01.40		Continued.	Low demand.	
Bhusawal Unit 1	58	18/06/2010	05:10		Continued.	For Scrapping.	
Parli Unit 2	30	18/06/2010	06:26		Continued.	For Scrapping.	
Parli Unit 1	30	18/06/2010	12:11		Continued.	For Scrapping.	
Dabhol 1B	230	18/06/2010	13.09		Continued.	Unit Differential.	10/07/2010
Dabhol 1A	230	18/06/2010	13.09		Continued.	Unit Differential.	10/07/2010
Dabhol 1X	290	18/06/2010	13.09		Continued.	Unit differential.	10/07/2010
Parli Unit 4	210	24/06/2010	23.18	05/07/2010	09.27	HPCV problem.	
Koradi Unit 1	105	28/06/2010	05.53		Continued.	Low Bunkering.	
Cent_Sect TARAPUR-4	540	28/06/2010	05.54		Continued.	System deficiency.	08/07/2010
Koradi Unit 2	105	30/06/2010	20.16	04/07/2010	15.17	Boiler Tube Leakage.	
Chandrapur Unit 6	500	02/07/2010	13:32	04/07/2010	23.07	Water shortage problem	
Cent_Sect NTPC(K-6)	500	03/07/2010	04.43	04/07/2010	7:22	Boiler Tube Leakage	06/07/2010
Parli Unit 3	210	03/07/2010	05.06	04/07/2010	12.10	Coal Mill Problem	
Parli Unit 7	250	03/07/2010	08.55	05/07/2010	01.31	Fire in Coal Mill side	
Dabhol 2B	230	03/07/2010	18.18	04/07/2010	00.21	Water ingress in Bus Accessory compartment	
Parli Unit 3	210	04/07/2010	15.15	05/07/2010	08.15	Coal Mill Chockup	
Dabhol 2A	230	04/07/2010	16.08	04/07/2010	21.51	Filter replacement	
Dabhol 3A	230	05/07/2010	00.35	05/07/2010	06.05	Exhaust Temp.High	

State Load Dispatch Center, Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 04/Jul/2010

Position as on 6.30 Hrs of 05/Jul/2010

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Parli Unit 7	250	05/07/2010	02.00	05/07/2010	03.39	Loss of Fuel	
Dabhol 3X	290	05/07/2010	02.50	05/07/2010	08.23	Tripped	
Dabhol 3B	230	05/07/2010	02.50	05/07/2010	09.56	Hand tripped	
Paras Unit 4	250	05/07/2010	05.41	05/07/2010	08:12	Flame failure.	05/07/2010
Parli Unit 3	210	05/07/2010	09.35		Continued.	M S Temperature Low.	07/07/2010

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 04/Jul/2010

Position as on 6.30 Hrs of 05/Jul/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Mapusa Ckt I	15/06/2010	22.36		Continued.	Over Voltage.
Akola - Wardha - II	16/06/2010	14.53		Continued.	Due to Line Loading.
Akola - Aurangabad - I	25/06/2010	14.10		Continued.	To control Aurangabad ICT loading
Dhule-Sar'Sarovar - I	26/06/2010	17.37		Continued.	Over Voltage
Dhule-Sar'Sarovar - II	02/07/2010	22.19		Continued.	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.
Bus coupler at Koradi	26/06/2010	11.10	04/07/2010	17.08	Breaker Repl.Work of CT Repl.Removal of Cable Wiring.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT - I @ Ranjangaon	18/05/2010	13.48		Continued.	Transformer Augmentation work.
Pophali-New Koyna	04/07/2010	08.50	04/07/2010	11.15	Preventive Maint.work
Kandalgaon - Pophali	05/07/2010	08.25	05/07/2010	16.05	Maint.Work.
220/132KV,200MVA ICT-II at Amravati	05/07/2010	10.24		Continued.	Replacement of CT's & L A'S.
Dhamangaon - Rly TSS - I	05/07/2010	10.25	05/07/2010	13.16	Maint.Work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
M.Bus-I at Kalmeshwar	30/06/2010	14.35		Continued.	Isolator alignment work.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Koyna IV - Jejuri	04/07/2010	10.35	04/07/2010	17.34	Replacement of Y and B Phase faulty string
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	19/06/2010	22.51		Continued.	Over Voltage
Karad-Kolhapur-II	02/07/2010	18.03		Continued.	Over Voltage
Koradi - Kaparkheda	02/07/2010	20.12		Continued.	Over Voltage
Chandrapur - Parli - II	03/07/2010	18.52	05/07/2010	03.19	Over Voltage
Akola-Bhusawal	04/07/2010	14.40	04/07/2010	17.40	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Kolhapur-Karad-III	05/07/2010	19.52		Continued.	Due to Breaker Compressor Problem.
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.
Chandrapur-Khaparkheda	02/07/2010	20.11		Continued.	Over Voltage
Parli-Solapur	03/07/2010	22.51	04/07/2010	08.22	Over Voltage
Karad-Solapur(Lamboti)	03/07/2010	22.51	04/07/2010	08.32	Over Voltage
Bablsr-Aurangabad	04/07/2010	06.05	04/07/2010	08.12	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 200 MVA ICT - II at Theur	01/06/2010	03.57		Continued.	Oil Tank Burst.
Lamboti-Bale-I	03/07/2010	22.51	04/07/2010	8:27	Over Voltage
Lamboti-Bale-II	03/07/2010	22.51	04/07/2010	8:27	Over Voltage
Kalmeshwar-Ambazari	05/07/2010	05.59	05/07/2010	18.02	Distance Protection.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 04/Jul/2010

Position as on 6.30 Hrs of 05/Jul/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Warora-Wardha	05/07/2010	10.49	05/07/2010	11.53	Distance Protection.
220/66 KV, 50 MVA ICt-I At Warora	05/07/2010	17.50	05/07/2010	23:21	REF Protection Operated.

State Load Dispatch Center, Airoli (MSETCL)

Details of On Line Capacity for 05/Jul/2010

Generating unit	Derated Capacity (MW)	OLC (MW)	Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi				852	630
Unit 1	105	0	Hydro		
Unit 2	105	80	KDPH	40	0
Unit 3	105	80	VTRNA	60	0
Unit 4	105	0	TILLARI	60	50
Unit 5	200	0	BHTGR/VEER	21	0
Unit 6	210	145	BHIRA T.R.	80	40
Unit 7	210	145	RNGR+BHTSA	20	0
	1040	450	BHANDARDRA	45	0
Bhusawal			ELDARY	23	0
Unit 1	58	0	SMLHY_PTN	12	9
Unit 2	210	170	GHATGHAR	250	0
Unit 3	210	170		611	99
	478	340	PENCH (MS)		
Parli			Pench (MS)	53	
Unit 1	30	0		53	
Unit 2	30	0	Wind		
Unit 3	210	0	MalharPeth	0	
Unit 4	210	0	Vankuswadi	0	
Unit 5	210	110	ATIT	0	
Unit 6	250	200	Kale	0	
Unit 7	250		Satara	0	
	1190	310	Shirala	0	
Chandrapur			K Mahankal	0	
Unit 1	210	150	Supa	0	
Unit 2	210	120	Vita	0	
Unit 3	210	0	Dondaicha	0	
Unit 4	210	190	Sakri	0	
Unit 5	500	0	Nandurbar	0	
Unit 6	500	300	Khadakale	0	
Unit 7	500	0	Khaparale	0	
	2340	760		0	
Paras			CPP		
Unit 2	55		TOTAL CPP	0	
Unit 3	250	150		0	
Unit 4	250		Dabhol		
	555	150	RGPPL	960	1200
Khaparkheda				960	1200
Unit 1	210	180	Tata		
Unit 2	210	180	Trombay 4	150	0
Unit 3	210	180	Trombay 5	500	450
Unit 4	210	180	Trombay 6	500	500
	840	720	Trombay 7A	120	120
Nasik			Trombay 7B	60	60
Unit 1	120	71	Trombay 8	250	250
Unit 2	120	46	TATA Hydro	444	447
Unit 3	210	172		2024	1827
Unit 4	210	162	REL		
Unit 5	210	162	1&2	500	500
	870	613		500	500
Koyna			Cent Sect		
Stage 1-2	600	600	Share	3143	3058
Stage 4	1000	250		3143	3058
Stage 3	320	320			
	1920	1170			
Uran					
All Units	852	630			
				17376	11827