



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

State Load Dispatch Center, Airoli

Daily system Report

for

03/Jul/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 03/Jul/2010 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	72.215	239.501	1) Madhya Pradesh	49.185	157.428
2) Hydro	11.388	28.861	2) Gujrat	22.045	49.633
3) Gas	15.822	45.019	3) Goa	-5.738	-17.486
Total MSGENCO	99.425	313.381	4) TAPS 1&2 (Inj.)	6.992	20.980
B) OTHERS			5) Pench (Excess)	0.000	-0.064
1) RGPPL Gas	25.942	80.026	# Total Cent. Sector	72.484	210.491
2) Wind Generation	10.498	36.438	F) Other Exchanges		
3) CPP	5.347	13.699	1) With TPCL (Excess)	-7.517	-23.581
4) PENCH (MS)	0.000	0.064	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	-3.555	-8.092
1) TPCL Thermal	27.500	88.194	Include PX	1.237	6.284
2) TPCL Hydro	1.802	9.585	2) MUMBAI Bilateral	8.826	26.409
TOTAL TPCL	29.302	97.779	Include PX	3.541	8.676
3) REL Thermal	12.642	37.909	3) MUMBAI Schedule	8.826	26.409
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	112.357	365.604	1) MSEDCL	206.179	630.518
2) Hydro (A2+B3+C2)	13.190	38.510	2) TPCL	31.951	103.931
3) Gas (A3+B1)	41.764	125.045	3) REL	17.512	55.339
4) Wind (B2)	10.498	36.438	TOTAL STATE	255.642	789.788
5) CPP (B3)	5.347	13.699			
TOTAL STATE	183.156	579.296			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	2880	2924	3096
MSGENCO Hydro	343	1279	37
MSGENCO Gas	647	657	666
MSGENCO Total Generation	3870	4860	3799
Central Sector Receipt	3079	3218	2577
RGPPL	1219	837	1216
WIND	364	476	388
CPP	233	194	241
Exchange with TPCL	-509	-346	-68
MSEDCL DEMAND MET	8256	9239	8153
Load Shedding	2746	2865	385
MSEDCL DEMAND (INCL. LS)	11002	12104	8538
TPCL GENERATION	1497	1436	1003
REL GENERATION	528	526	526
TPCL+REL DEMAND	2534	2308	1597
STATE DEMAND MET	10790	11547	9750
STATE DEMAND (INCL. LS)	13536	14412	10135
Frequency (Hz)	49.82	49.70	49.80
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3994 MW AT 22.00 HRS
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			65.47 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.37 Hz at 17.34 Hrs	49.1 Hz at 04.51 Hrs	49.73	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 03/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	0.00	0.00	0	0	0
Unit 3	1.07	4.00	68	21	70
Unit 4	1.11	3.76	64	20	52
Unit 5	0.00	0.00	0	0	0
Unit 6	2.99	9.61	145	93	140
Unit 7	2.84	9.76	130	90	130
	8.01	27.13			392
Bhusawal					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.41	6.23	155	130	160
Unit 3	3.80	11.44	175	140	160
	7.21	17.66			320
Parli					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	0.18	5.27	43	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	2.08	6.59	114	60	110
Unit 6	3.96	12.02	208	118	130
Unit 7	1.00	8.80	133	0	
	7.22	32.68			240
Chandrapur					
Unit 1	2.65	9.58	156	0	160
Unit 2	2.63	8.79	124	83	120
Unit 3	0.00	0.00	0	0	0
Unit 4	3.89	11.87	185	127	170
Unit 5	0.00	0.00	0	0	0
Unit 6	0.00	6.66	0	0	0
Unit 7	0.00	0.00	0	0	0
	9.17	36.90			450
Paras					
Unit 2	0.00	0.00	0	0	0
Unit 3	4.63	15.58	236	162	240
Unit 4	4.29	13.99	220	98	
	8.92	29.58			240
Khaparkheda					
Unit 1	3.78	10.48	185	110	160
Unit 2	3.68	11.32	167	128	160
Unit 3	3.91	11.78	169	153	160
Unit 4	3.98	11.47	175	157	160
	15.36	45.04			640
Nasik					
Unit 1	1.56	5.20	86	27	90
Unit 2	1.57	5.11	84	48	90
Unit 3	4.46	13.56	195	170	190
Unit 4	4.40	13.42	194	164	190
Unit 5	4.34	13.22	193	163	190
	16.33	50.50			750
Koyna					
Stage 1-2	3.14	8.20	435	30	520
Stage 4	4.54	9.70	1067	0	250
Stage 3	1.74	4.74	318	0	320
	9.42	22.64			1090
Kovna 12&4 Total	7.68	17.90			770

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.82	45.02	670	643	630
		15.82	45.02			630
Hydro						
KDPH		0.00	0.00	0	0	0
VTRNA		0.00	0.00	0	0	0
TILLARI		0.16	0.27	59	0	60
BHTGR/VEER		0.00	0.00	0	0	0
BHIRA T.R.		0.26	1.13	42	0	40
RNGR+BHTSA		0.04	0.12	2	1	0
BHANDARDRA		0.00	0.00	0	0	0
ELDARY		0.00	0.00	0	0	0
SMLHY PTN		0.05	0.14	8	0	2
GHATGHAR		1.45	4.56	250	0	0
		1.97	6.22			102
PENCH (MS)						
Pench (MS)		0.00	0.06	0	0	0
		0.00	0.06			0
Wind						
MalharPeth		0.50	1.33			
Vankuswadi		1.25	3.46			
ATIT		0.19	0.48			
Kale		0.44	1.24			
Satara		2.28	4.47			
Shirala		0.43	1.03			
K Mahankal		0.05	1.74			
Supa		0.12	0.41			
Vita		2.39	6.66			
Dondaicha		1.54	9.56			
Sakri		0.26	1.61			
Nandurbar		0.30	1.44			
Khadakale		0.41	1.54			
Khaparale		0.34	1.46			
		10.50	36.44			
CPP						
TOTAL CPP		5.35	13.70			
		5.35	13.70			
Dabhol						
RGPPL		25.94	80.03	1226	513	1220
		25.94	80.03			1220
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		10.67	32.60	460	380	450
Trombay 6		6.47	25.66	400	150	500
Trombay 7A		2.85	7.58	121	117	120
Trombay 7B		1.56	4.43	66	65	60
Trombay 8		5.94	17.93	252	220	250
TATA Hydro		1.80	9.58	240	0	447
		29.30	97.78			1827
REL						
1&2		12.64	37.91	529	525	500
		12.64	37.91			500
Cent Sect						
Share						2833
						2833
MS PG CL	Thermal	72.22	239.50			3032
	Thml+Gas	88.04	284.52			3662
	Hydro	11.39	28.86			1192
	Total	99.42	313.38			4854
State Total		183.16	579.30			11233

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 03/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	3216	41	664	3921	1215	496	243	2582	3034	-377	-328	8581	754	9335	1946	11281	49.75
2	3198	41	666	3905	1217	428	295	2488	2585	-286	-233	8197	457	8654	1785	10439	49.82
3	3123	31	666	3820	1217	345	252	2348	3059	-148	-84	8609	385	8994	1620	10614	49.82
4	3096	37	666	3799	1216	388	241	2320	2577	-120	-68	8153	385	8538	1597	10135	49.80
5	3107	72	658	3837	1211	415	275	2321	2683	-120	-64	8357	385	8742	1574	10316	49.57
6	3108	352	656	4116	1210	392	268	2166	2534	-120	-74	8446	1042	9488	1584	11072	49.50
7	3182	92	664	3938	1215	393	225	2119	2693	-120	-69	8395	1443	9838	1642	11480	49.72
8	3145	37	663	3845	1218	357	233	2166	3020	-164	-121	8552	1995	10547	1729	12276	49.68
9	3061	92	664	3817	1217	440	218	2239	2904	-237	-189	8407	2371	10778	1898	12676	49.77
10	2983	110	662	3755	1217	398	228	2510	3151	-490	-447	8302	2874	11176	2282	13458	49.83
11	2926	235	655	3816	1214	339	223	2555	3049	-537	-500	8141	2858	10999	2449	13448	49.67
12	2880	343	647	3870	1219	364	233	2605	3079	-547	-509	8256	2746	11002	2534	13536	49.82
13	2803	473	643	3919	1213	390	210	2612	3293	-547	-493	8532	2439	10971	2506	13477	49.68
14	2900	473	650	4023	1207	410	232	2662	3254	-547	-492	8634	2207	10841	2420	13261	49.64
15	3019	670	656	4345	1214	427	229	2625	2846	-500	-446	8615	2552	11167	2326	13493	49.60
16	2902	332	664	3898	1220	589	176	2627	2834	-500	-448	8269	2834	11103	2307	13410	49.80
17	2764	47	665	3476	1222	635	185	2665	3114	-537	-480	8152	2780	10932	2300	13232	49.90
18	2875	37	670	3582	1226	572	176	2688	3217	-537	-484	8289	2697	10986	2264	13250	50.05
19	2869	433	659	3961	927	576	160	2619	3600	-444	-391	8833	2791	11624	2203	13827	49.76
20	2924	1279	657	4860	837	476	194	2675	3218	-397	-346	9239	2865	12104	2308	14412	49.70
21	3030	1925	659	5614	517	391	205	2790	3343	-392	-321	9749	2434	12183	2220	14403	49.71
22	3064	1790	654	5508	513	410	198	2831	3249	-392	-320	9558	2405	11963	2077	14040	49.59
23	3018	1612	656	5286	534	423	215	2701	3063	-382	-305	9216	1919	11135	1984	13119	49.63
24	3022	834	658	4514	726	444	233	2702	3085	-382	-305	8697	1607	10304	1906	12210	49.66
MUs	72.22	11.39	15.82	99.42	25.94	10.50	5.35	60.62	72.48	-8.83	-7.52	206.18	47.22	253.40	49.46	302.86	49.73

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 03/Jul/2010

Position as on 6.30 Hrs of 04/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
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
Koradi Unit 1	105	28/06/2010	05.53		Continued.	Low Bunkering.	
Cent_Sect TARAPUR-4	540	28/06/2010	05.54		Continued.	System defidency.	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 Leaakge	06/07/2010
Parli Unit 3	210	03/07/2010	05.06	04/07/2010	12.10	Coal Mill Problem	
Chandrapur Unit 1	210	03/07/2010	15.17	03/07/2010	19.05	Turbine Trip Ckt faulty	
Dabhol 2B	230	03/07/2010	18.18	04/07/2010	00.21	Water ingress in Bus Accessory campartment	
Dabhol 3A	230	03/07/2010	19.46	03/07/2010	22.29	Combustion trouble	
Dabhol 2A	230	04/07/2010	16.08	04/07/2010	21.51	Filter replacement	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 03/Jul/2010

Position as on 6.30 Hrs of 04/Jul/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised 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.
400/220KV,315MVA ICT-II at BBLSR	03/07/2010	11.12	03/07/2010	15.45	Q.M.Work
Koradi - Kaparkheda	03/07/2010	11.40	03/07/2010	14.00	Isolator E/W maint.work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT - I @ Ranjangaon	18/05/2010	13.48		Continued.	Transformer Augmentation work.
Khaparkheda - Kanhan - II	02/07/2010	09.00	03/07/2010	10.23	CT Replacement
Karad-Pophali	03/07/2010	08.46	03/07/2010	15.30	Q.M.Work
Babaleshwar - Nagar - II	03/07/2010	09.50	03/07/2010	14.50	Replacement of Faulty Disc Insulator
Chalisgaon-BSL-I	03/07/2010	10.02	03/07/2010	14.44	Replacement of R phase Broken Cross Arm support
Vita - Miraj	03/07/2010	10.05	03/07/2010	10.15	Relay commissioning work
220/100 KV,200 MVA ICT-II at Apta	03/07/2010	10.53	03/07/2010	14.01	Rectification of fire prot.scheme
Dondaicha - Jamde - I	03/07/2010	11.00	03/07/2010	12.59	Bus Isolator and Jumper repl.work
Pophali-New Koyna	04/07/2010	08.50	04/07/2010	11.15	Preventive 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 : 220KV			Outage Type FORCED OUTAGE		
220/7 KV 40MVA Stn.T/F-I at C'Pur	03/07/2010	17.03	03/07/2010	18.27	Heavy sparking R phase on CT Stud.
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
C'pur-Parli II	02/07/2010	21.39	03/07/2010	09.27	Over Voltage
Karad-New Koyna II	03/07/2010	00.24	03/07/2010	08.48	Over Voltage
Akola-Bhusawal	04/07/2010	14.40	04/07/2010	17.40	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.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 03/Jul/2010

Position as on 6.30 Hrs of 04/Jul/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Chandrapur-Khaparkheda	02/07/2010	20.11		Continued.	Over Voltage
440/220 kV,315 MVA ICT at Bhusawal II s/s	02/07/2010	22.45	03/07/2010	01.10	Trip due to NDR Operation
Koyna IV - Jejuri	03/07/2010	00.40	03/07/2010	08.35	Distance Protection
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.
220/33KV 100MVA ICT - I at Valve	03/07/2010	02.55	03/07/2010	11.15	PRV Tripped
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

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 04/Jul/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	0
Unit 3	105	75
Unit 4	105	0
Unit 5	200	0
Unit 6	210	140
Unit 7	210	140
	1040	355
Bhusawal		
Unit 1	58	0
Unit 2	210	160
Unit 3	210	160
	478	320
Parli		
Unit 1	30	0
Unit 2	30	0
Unit 3	210	0
Unit 4	210	0
Unit 5	210	110
Unit 6	250	200
Unit 7	250	
	1190	310
Chandrapur		
Unit 1	210	140
Unit 2	210	120
Unit 3	210	0
Unit 4	210	190
Unit 5	500	0
Unit 6	500	0
Unit 7	500	0
	2340	450
Paras		
Unit 2	55	0
Unit 3	250	240
Unit 4	250	0
	555	240
Khaparkheda		
Unit 1	210	180
Unit 2	210	170
Unit 3	210	180
Unit 4	210	170
	840	700
Nasik		
Unit 1	120	70
Unit 2	120	50
Unit 3	210	190
Unit 4	210	190
Unit 5	210	180
	870	680
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Uran		
All Units	852	630

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	630
Hydro		
KDPH	40	0
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	2
GHATGHAR	250	0
	611	102
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	1200
	960	1200
Tata		
Trombay 4	150	0
Trombay 5	500	450
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1827
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	2741
	3143	2741