



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

State Load Dispatch Center, Airoli

Daily system Report

for

07/May/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 07/May/2010 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	88.974	638.539	1) Madhya Pradesh	88.575	484.208
2) Hydro	19.079	123.950	2) Gujrat	20.365	158.176
3) Gas	16.513	113.287	3) Goa	-6.375	-41.884
Total MSGENCO	124.566	875.776	4) TAPS 1&2 (Inj.)	7.188	49.974
B) OTHERS			5) Pench (Excess)	-0.080	-1.072
1) RGPPL Gas	22.754	219.983	# Total Cent. Sector	109.673	649.402
2) Wind Generation	9.522	58.450	F) Other Exchanges		
3) CPP	3.693	28.733	1) With TPCL (Excess)	-10.841	-59.354
4) PENCH (MS)	0.080	1.072	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	10.877	33.553
1) TPCL Thermal	32.354	223.923	Include PX	6.508	11.241
2) TPCL Hydro	4.343	20.074	2) MUMBAI Bilateral	11.242	67.522
TOTAL TPCL	36.697	243.997	Include PX	2.322	7.854
3) REL Thermal	12.413	87.186	3) MUMBAI Schedule	11.242	67.522
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	133.741	949.648	1) MSEDCL	259.447	1774.062
2) Hydro (A2+B3+C2)	23.502	145.096	2) TPCL	38.359	246.785
3) Gas (A3+B1)	39.267	333.270	3) REL	21.588	143.743
4) Wind (B2)	9.522	58.450	TOTAL STATE	319.394	2164.590
5) CPP (B3)	3.693	28.733			
TOTAL STATE	209.725	1515.197			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3641	3949	3552
MSGENCO Hydro	826	1511	590
MSGENCO Gas	684	689	697
MSGENCO Total Generation	5151	6149	4839
Central Sector Receipt	4957	4257	4820
RGPPL	930	951	936
WIND	353	349	440
CPP	155	157	153
Exchange with TPCL	-616	-522	-148
MSEDCL DEMAND MET	10930	11341	11040
Load Shedding	4206	4253	2217
MSEDCL DEMAND (INCL. LS)	15136	15594	13257
TPCL GENERATION	1866	1605	1208
REL GENERATION	519	518	516
TPCL+REL DEMAND	3001	2645	1872
STATE DEMAND MET	13931	13986	12912
STATE DEMAND (INCL. LS)	18137	18239	15129
Frequency (Hz)	49.87	49.70	49.67
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			6548 MW AT 14.00 HRS
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			136.29 MUS

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.61 Hz at 18.04 Hrs	49.19 Hz at 19.59 Hrs	49.86	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 07/May/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.50	11.65	68	46	65
Unit 2	1.52	11.08	73	34	65
Unit 3	1.76	12.41	84	56	75
Unit 4	0.00	0.01	0	0	0
Unit 5	2.11	18.74	137	0	110
Unit 6	2.60	21.40	140	54	110
Unit 7	2.49	22.46	145	63	130
	11.99	97.74			555
Bhusawal					
Unit 1	1.07	7.03	49	40	50
Unit 2	4.00	30.35	188	140	195
Unit 3	4.46	14.52	193	180	195
	9.53	51.90			440
Parli					
Unit 1	0.55	3.88	25	19	22
Unit 2	0.56	3.83	24	22	22
Unit 3	4.22	26.06	195	149	180
Unit 4	4.13	27.23	187	149	175
Unit 5	3.93	25.89	183	140	180
Unit 6	6.03	41.75	253	245	250
Unit 7	2.43	27.51	227	0	
	21.85	156.15			829
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	4.11	29.82	185	133	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
	4.11	29.82			180
Paras					
Unit 2	1.01	7.16	46	38	46
Unit 3	5.26	20.45	242	195	220
Unit 4	3.04	28.02	152	38	
	9.32	55.63			266
Khaparkheda					
Unit 1	4.56	33.99	211	157	210
Unit 2	4.26	30.29	187	164	180
Unit 3	4.26	31.55	194	166	190
Unit 4	1.27	25.38	183	0	0
	14.34	121.22			580
Nasik					
Unit 1	2.25	15.36	101	58	95
Unit 2	2.08	14.18	96	65	90
Unit 3	4.64	32.88	206	183	190
Unit 4	4.34	31.68	189	158	180
Unit 5	4.52	31.99	198	173	190
	17.83	126.09			745
Koyna					
Stage 1-2	4.40	28.22	395	40	600
Stage 4	9.72	59.68	1120	0	250
Stage 3	2.89	19.03	318	0	320
	17.01	106.94			1170
Kovna 12&4 Total	14.12	87.90			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		16.51	113.29	706	666	670
		16.51	113.29			670
Hydro						
KDPH		0.00	1.95	0	0	0
VTRNA		0.00	1.73	0	0	0
TILLARI		0.40	2.07	60	0	60
BHTGR/VEER		0.48	3.02	20	20	20
BHIRA T.R.		0.15	0.87	50	0	80
RNGR+BHTSA		0.26	1.86	11	11	13
BHANDARDRA		0.17	0.17	26	0	0
ELDARY		0.00	0.00	0	0	0
SMLHY PTN		0.58	3.93	31	22	20
GHATGHAR		0.02	1.41	24	0	0
		2.07	17.01			193
PENCH (MS)						
Pench (MS)		0.08	1.07	22	0	
		0.08	1.07			
Wind						
MalharPeth		0.35	1.28			
Vankuswadi		0.56	2.89			
ATIT		0.25	1.34			
Kale		0.24	1.16			
Satara		0.51	2.12			
Shirala		0.30	1.20			
K Mahankal		0.12	0.56			
Supa		0.20	0.90			
Vita		1.91	5.30			
Dondaicha		3.16	27.90			
Sakri		0.50	4.28			
Nandurbar		0.39	3.45			
Khadakale		0.70	3.66			
Khaparale		0.32	2.42			
		9.52	58.45			
CPP						
TOTAL CPP		3.69	28.73			
		3.69	28.73			
Dabhol						
RGPPL		22.75	219.98	1049	927	900
		22.75	219.98			900
Tata						
Trombay 4		1.19	6.12	76	0	60
Trombay 5		9.94	67.80	415	390	415
Trombay 6		10.80	77.18	510	250	500
Trombay 7A		2.79	19.55	118	101	120
Trombay 7B		1.58	11.00	66	64	60
Trombay 8		6.05	42.27	255	250	250
TATA Hydro		4.34	20.07	426	0	447
		36.70	244.00			1852
REL						
1&2		12.41	87.19	521	513	500
		12.41	87.19			500
Cent Sect						
Share						3349
						3349
MS PG CL	Thermal	88.97	638.54			3595
	Thml+Gas	105.49	751.83			4265
	Hydro	19.08	123.95			1363
	Total	124.57	875.78			5628
State Total		209.72	1515.20			12229

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 07/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	3552	1541	666	5759	935	325	152	3050	4134	-359	-345	10982	2121	13103	2304	15407	49.60
2	3480	897	668	5045	936	514	153	2909	4092	-221	-199	10561	2609	13170	2130	15300	49.61
3	3545	728	674	4947	935	458	151	2863	4452	-176	-151	10797	2383	13180	1959	15139	49.60
4	3552	590	697	4839	936	440	153	2863	4820	-176	-148	11040	2217	13257	1872	15129	49.67
5	3610	443	699	4752	939	448	151	2864	4950	-176	-156	11084	2254	13338	1844	15182	49.78
6	3571	1159	698	5428	942	445	152	2865	4531	-176	-148	11350	2756	14106	1851	15957	49.73
7	3583	162	706	4451	945	393	152	3317	4566	-213	-196	10311	4290	14601	1884	16485	49.89
8	3628	103	684	4415	947	364	153	3316	4098	-213	-192	9785	4391	14176	1912	16088	49.97
9	3662	225	696	4583	941	457	152	3455	4341	-348	-336	10138	4576	14714	2170	16884	49.91
10	3663	437	692	4792	942	450	152	3647	4389	-480	-471	10254	4587	14841	2561	17402	50.04
11	3641	289	689	4619	935	412	152	3708	4870	-527	-516	10472	4454	14926	2856	17782	50.00
12	3641	826	684	5151	930	353	155	3798	4957	-622	-616	10930	4206	15136	3001	18137	49.87
13	3686	854	686	5226	931	290	152	3935	4985	-766	-748	10836	4085	14921	3031	17952	50.00
14	3788	853	687	5328	927	307	154	3886	5419	-719	-703	11432	3859	15291	2947	18238	49.91
15	3821	849	690	5360	928	393	156	3920	5161	-766	-752	11246	4043	15289	3067	18356	49.94
16	3857	626	697	5180	934	355	152	3868	4677	-766	-731	10567	4379	14946	3082	18028	50.07
17	3885	572	687	5144	944	443	158	3871	4689	-766	-754	10624	4281	14905	3008	17913	50.20
18	3881	610	677	5168	951	526	160	3828	4486	-751	-722	10569	4084	14653	2902	17555	49.97
19	3923	280	693	4896	955	489	154	3207	4132	-504	-472	10154	4478	14632	2708	17340	50.07
20	3975	698	691	5364	951	338	155	3402	4519	-504	-473	10854	4664	15518	2700	18218	49.79
21	3949	1511	689	6149	951	349	157	3458	4257	-551	-522	11341	4253	15594	2645	18239	49.70
22	3793	1563	688	6044	963	336	156	3557	4487	-551	-523	11476	3963	15439	2538	17977	49.80
23	3671	1753	686	6110	1007	314	157	3542	4573	-486	-519	11652	3112	14764	2503	17267	49.69
24	3617	1565	689	5871	1049	323	154	3217	4088	-424	-448	11047	3065	14112	2476	16588	49.77
MUs	88.97	19.13	16.51	124.62	22.75	9.52	3.69	82.35	109.67	-11.24	-10.84	259.50	89.11	348.61	59.95	408.56	49.86

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 07/May/2010

Position as on 6.30 Hrs of 08/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
Cent_Sect NTPC(K-1)	210	01/04/2010	23.52		Continued.	Annual Overhaul.	10/05/2010
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 O/H.	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.	09/05/2010
Cent_Sect TARAPUR-3	540	02/05/2010	20:55		Continued.	Cooling water pump problem.	08/05/2010
Dabhol 3A	230	05/05/2010	15.40	07/05/2010	16.52	Electrical fault.	
Dabhol 3B	230	05/05/2010	15.40	07/05/2010	22.49	Electrical fault.	
Dabhol 3X	290	05/05/2010	15.40	07/05/2010	21.33	Electrical fault.	
Khaparkheda Unit 4	210	06/05/2010	17:18	07/05/2010	15.31	Loss of fuel 6.6 kv side Aux. cooling pump flashover.	
Koradi Unit 5	200	06/05/2010	23:40	07/05/2010	04:05	Flame Failure.	
Parli Unit 7	250	07/05/2010	05:27	07/05/2010	11.55	I D Fan problem.	
Tata Trombay 4	150	07/05/2010	17.31	07/05/2010	21.45	ID Fan Problem.	
Parli Unit 7	250	07/05/2010	21.14	08/05/2010	02.07	Loss of fuel.	
Paras Unit 4	250	08/05/2010	02.49		Continued.	Low Drum Level	
Khaparkheda Unit 1	210	08/05/2010	04.13		Continued.	High Drum Level	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 07/May/2010

Position as on 6.30 Hrs of 08/May/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tarapur - Boiser.	07/05/2010	08.36	07/05/2010	14.49	R.M.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	07/05/2010	07.38	Due to line loading.
Kolhapur-Mapusa Ckt I	07/05/2010	00:12	07/05/2010	07.38	H/T for Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV, 315 MVA ICT II JEJURI	05/05/2010	09.00		Continued.	Own breaker problem.Taken on tie breaker.
Karad-New Koyna II	07/05/2010	05:55	07/05/2010	11.40	Insulator Replacement.
Parli-Lonikand -I	07/05/2010	06:18	07/05/2010	20.31	Insulator Replacement.
Bablsr-Padgha Ckt I	07/05/2010	07.57	07/05/2010	20.02	Replacement of suspension flash over string
Main Bus-I at New Koyna	07/05/2010	11.00	07/05/2010	17.20	Bus Stringing
Karad-New Koyna II	08/05/2010	06.01		Continued.	Tightening of Jumpers
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 BusCoupler at Kharghar	21/04/2010	07.51		Continued.	O/H of SF6 Breaker
220/22 KV, 50 MVA T/F-II @ Kalwa	29/04/2010	22.36		Continued.	Replacement of T/F
Lonikand-Theur CKT. II	04/05/2010	11.15		Continued.	Own breaker overhauling work.(line taken on TBC).
Aurangabad-Padegaon CKT-II	07/05/2010	06.05	07/05/2010	19.06	Replacement of Conductor
BBLSR-Waluj	07/05/2010	06.41		Continued.	Restranging of BBLSR-BHENDA line
Kalwa - Ghatghar	07/05/2010	08.36		Continued.	Replacement of Conductor and Insulator
Pusad -Parbhani	07/05/2010	08.42	07/05/2010	17.54	Replacement of Earth Wire
220/100KV 200MVA ICT-II at Kolshet	07/05/2010	10.40	07/05/2010	17.40	R.M.Work
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
KALWA-SALSET I	07/05/2010	09.53	07/05/2010	16.45	Maint.work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	09/04/2010	20.45	07/05/2010	08.50	To control A'Bad ICT Loading
Bableshtar-Aurangabad	07/05/2010	11.52		Continued.	To control A'Bad ICT Loading
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur - Warora - II.	24/04/2010	11.30		Continued.	To Control C'pur ICT-I Loading.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV,315 MVA ICT-II at Chandrapur	24/04/2010	04.26		Continued.	Tripped Due to Y Ph L V Side Bushing Burst.
400/11.5/6.6 KV 70 MVA Str.T/F 5B at 400KV Khaparkheda	25/04/2010	03.59		Continued.	B-Ph,HV bushing burst and caught fire.
Padgha - Chakan	07/05/2010	18.16		Continued.	Tripped on CVT Fuse Fail

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 07/May/2010

Position as on 6.30 Hrs of 08/May/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 220KV			Outage Type TRIPPED		
Pirangut-Hinjewadi	07/05/2010	07.04	07/05/2010	13.29	Distance Protection
Sahara-Urse	07/05/2010	08.49	07/05/2010	09.52	Distance Protection
Sahara-B'dying	07/05/2010	08.49	08/05/2010	05:25	Distance Protection
Bablswr-Ranjangaon	07/05/2010	12.09	07/05/2010	12.29	Distance Protection
Bablswr-Ranjangaon	07/05/2010	14.05	07/05/2010	17.40	Distance protection
Bableshtar - Alephata	07/05/2010	14.37	07/05/2010	15.00	Distance Protection
Babaleshtar - Alephata	07/05/2010	15.24	07/05/2010	19.01	Distance Protection
K'gaon-Pirangut	07/05/2010	16.38	07/05/2010	16.56	Tripped on O/C
N.Koyna-Phinolex	07/05/2010	23.35	08/05/2010	00.01	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.
Yawal-chopda	07/05/2010	13.10	07/05/2010	13.40	Distance Protection
Kardha-Sakoli	07/05/2010	17.40		Continued.	Y phase Breaker Pole Burst at Kardha
Bhandara-Kardha	07/05/2010	17.40	07/05/2010	20.30	Distance protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 08/May/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	71
Unit 2	105	72
Unit 3	105	78
Unit 4	105	0
Unit 5	200	88
Unit 6	210	91
Unit 7	210	64
	1040	464
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	175
Unit 5	210	180
Unit 6	250	250
Unit 7	250	
	1190	829
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	46
Unit 3	250	220
Unit 4	250	
	555	266
Khaparkheda		
Unit 1	210	0
Unit 2	210	180
Unit 3	210	190
Unit 4	210	190
	840	560
Nasik		
Unit 1	120	99
Unit 2	120	99
Unit 3	210	192
Unit 4	210	172
Unit 5	210	192
	870	754
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	0
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	10
BHIRA T.R.	80	80
RNGR+BHTSA	20	11
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	20
GHATGHAR	250	0
	611	181
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	1500
	960	1500
Tata		
Trombay 4	150	65
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	1857
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3227
	3143	3227