



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

State Load Dispatch Center, Airoli

Daily system Report

for

22/Jul/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 22/Jul/2010 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	98.266	1827.315	1) Madhya Pradesh	57.807	1285.158
2) Hydro	5.707	210.604	2) Gujrat	23.928	462.203
3) Gas	15.614	341.917	3) Goa	-5.541	-123.469
Total MSGENCO	119.587	2379.836	4) TAPS 1&2 (Inj.)	5.981	161.014
B) OTHERS			5) Pench (Excess)	-0.064	-1.400
1) RGPPL Gas	16.022	486.602	# Total Cent. Sector	82.111	1783.506
2) Wind Generation	17.080	279.700	F) Other Exchanges		
3) CPP	3.753	116.550	1) With TPCL (Excess)	-11.513	-191.457
4) PENCH (MS)	0.064	1.400	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	8.248	-5.385
1) TPCL Thermal	23.665	594.987	Include PX	3.427	53.554
2) TPCL Hydro	3.369	48.088	2) MUMBAI Bilateral	12.254	229.988
TOTAL TPCL	27.034	643.075	Include PX	4.677	71.030
3) REL Thermal	12.610	276.131	3) MUMBAI Schedule	12.254	229.988
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	134.541	2698.433	1) MSEDCL	227.104	4856.137
2) Hydro (A2+B3+C2)	9.140	260.092	2) TPCL	33.743	724.891
3) Gas (A3+B1)	31.636	828.519	3) REL	17.413	385.721
4) Wind (B2)	17.080	279.700	TOTAL STATE	278.260	5966.749
5) CPP (B3)	3.753	116.550			
TOTAL STATE	196.150	4183.294			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4127	4276	3964
MSGENCO Hydro	380	594	53
MSGENCO Gas	650	644	654
MSGENCO Total Generation	5157	5514	4671
Central Sector Receipt	3498	3618	3780
RGPPL	666	669	668
WIND	667	886	425
CPP	173	155	155
Exchange with TPCL	-695	-594	-141
MSEDCL DEMAND MET	9466	10272	9558
Load Shedding	1462	1875	0
MSEDCL DEMAND (INCL. LS)	10928	12147	9558
TPCL GENERATION	1405	1251	816
REL GENERATION	528	518	529
TPCL+REL DEMAND	2628	2363	1486
STATE DEMAND MET	12094	12635	11044
STATE DEMAND (INCL. LS)	13556	14510	11044
Frequency (Hz)	49.95	49.87	50.01
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2183 MW AT 06.00 HRS
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			38.88 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.3 Hz at 19.31 Hrs	49.31 Hz at 05.21 Hrs	49.91	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 22/Jul/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.68	10.72	79	64	75
Unit 2	1.57	11.58	70	57	65
Unit 3	1.65	23.32	80	57	70
Unit 4	0.00	4.30	0	0	0
Unit 5	0.00	0.00	0	0	0
Unit 6	3.23	72.74	174	99	150
Unit 7	3.68	69.31	185	135	180
	11.80	191.96			540
Bhusawal					
Unit 1	0.44	1.06	22	13	25
Unit 2	0.00	58.75	0	0	0
Unit 3	3.46	71.79	170	105	160
	3.90	131.60			185
Parli					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	3.50	43.71	158	135	140
Unit 4	0.00	0.00	0	0	0
Unit 5	2.66	53.58	123	106	110
Unit 6	4.73	99.55	219	173	200
Unit 7	1.23	19.10	208	0	0
	12.12	215.94			450
Chandrapur					
Unit 1	3.63	65.01	159	144	160
Unit 2	3.61	66.12	156	144	145
Unit 3	0.00	0.00	0	0	0
Unit 4	4.24	88.66	187	144	190
Unit 5	6.76	31.12	350	225	300
Unit 6	7.17	135.50	386	250	300
Unit 7	7.95	97.93	394	283	300
	33.36	484.35			1395
Paras					
Unit 2	0.00	0.00	0	0	0
Unit 3	2.76	76.90	163	71	130
Unit 4	3.41	65.69	210	63	0
	6.18	142.60			130
Khaparkheda					
Unit 1	4.32	87.56	210	155	170
Unit 2	3.99	79.66	175	149	170
Unit 3	4.17	89.18	195	163	170
Unit 4	4.02	84.52	175	160	170
	16.50	340.92			680
Nasik					
Unit 1	0.76	33.49	85	0	0
Unit 2	1.80	32.89	85	52	80
Unit 3	3.94	85.45	175	150	160
Unit 4	4.14	84.06	183	160	170
Unit 5	3.77	84.06	170	134	160
	14.41	319.95			570
Koyna					
Stage 1-2	1.25	80.31	155	35	600
Stage 4	0.00	54.74	0	0	0
Stage 3	2.53	40.95	320	0	320
	3.78	176.00			920
Kovna 12&4 Total	1.25	135.05			600

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.61	341.92	666	623	640
		15.61	341.92			640
Hydro						
KDPH		0.00	1.44	0	0	0
VTRNA		0.00	0.37	0	0	0
TILLARI		0.72	3.50	60	0	60
BHTGR/VEER		0.00	0.70	0	0	0
BHIRA T.R.		0.43	5.59	80	0	40
RNGR+BHTSA		0.07	0.28	3	2	0
BHANDARDRA		0.00	0.14	0	0	0
ELDARY		0.00	0.00	0	0	0
SMLHY PTN		0.05	2.18	9	0	11
GHATGHAR		0.65	20.41	125	0	0
		1.92	34.60			111
PENCH (MS)						
Pench (MS)		0.06	1.40	24	0	
		0.06	1.40			
Wind						
MalharPeth		0.58	10.72			
Vankuswadi		1.86	26.27			
ATIT		0.30	5.59			
Kale		0.85	9.92			
Satara		2.88	26.36			
Shirala		0.70	8.47			
K Mahankal		0.07	16.73			
Supa		0.26	4.07			
Vita		3.07	52.98			
Dondaicha		3.14	66.57			
Sakri		0.77	12.77			
Nandurbar		0.40	8.00			
Khadakale		1.26	18.64			
Khaparale		0.95	12.60			
		17.08	279.70			
CPP						
TOTAL CPP		3.75	116.55			
		3.75	116.55			
Dabhol						
RGPPL		16.02	486.60	670	664	630
		16.02	486.60			630
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		5.89	230.44	485	0	500
Trombay 6		7.86	162.67	505	150	500
Trombay 7A		2.82	56.07	122	103	120
Trombay 7B		1.59	27.64	68	62	60
Trombay 8		5.50	118.17	232	220	250
TATA Hydro		3.37	48.09	459	0	447
		27.03	643.08			1877
REL						
1&2		12.61	276.13	529	518	500
		12.61	276.13			500
Cent Sect						
Share						3219
						3219
MS PG CL	Thermal	98.27	1827.32			3950
	Thml+Gas	113.88	2169.23			4590
	Hydro	5.71	210.60			1031
	Total	119.59	2379.84			5621
State Total		196.15	4183.29			11847

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 22/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	4083	77	666	4826	667	482	143	2920	3670	-384	-336	9452	576	10028	1737	11765	49.85
2	3980	43	660	4683	668	386	150	2824	3472	-291	-240	9119	443	9562	1580	11142	49.96
3	4010	48	663	4721	668	490	157	2753	3850	-222	-176	9710	0	9710	1520	11230	49.95
4	3964	53	654	4671	668	425	155	2729	3780	-198	-141	9558	0	9558	1486	11044	50.01
5	3979	53	658	4690	667	497	158	2682	3873	-151	-111	9774	599	10373	1455	11828	49.90
6	3955	158	661	4774	667	566	160	2729	3480	-198	-150	9497	1207	10704	1537	12241	49.81
7	4052	73	656	4781	669	662	161	3111	2817	-261	-220	8870	1721	10591	1665	12256	49.87
8	4104	58	661	4823	667	524	164	3182	3508	-428	-297	9389	1538	10927	1808	12735	49.96
9	4104	90	655	4849	665	528	162	3278	3512	-522	-484	9232	1501	10733	2044	12777	49.91
10	4066	284	653	5003	664	555	164	3383	3790	-610	-571	9605	1492	11097	2371	13468	49.89
11	4127	380	650	5157	666	667	173	3449	3498	-679	-695	9466	1462	10928	2628	13556	49.95
12	3974	391	656	5021	664	752	162	3486	3349	-719	-674	9274	1508	10782	2651	13433	49.80
13	3970	333	653	4956	664	818	169	3481	3531	-727	-678	9460	1524	10984	2653	13637	49.87
14	3921	278	652	4851	667	849	163	3398	3316	-681	-646	9200	1432	10632	2505	13137	49.92
15	3975	207	650	4832	669	937	173	3269	3192	-587	-687	9116	1463	10579	2548	13127	49.96
16	3994	179	623	4796	669	956	145	3257	3042	-587	-663	8945	1389	10334	2531	12865	49.97
17	4245	182	627	5054	669	1075	144	3286	3106	-587	-654	9394	1233	10627	2538	13165	50.03
18	4253	188	631	5072	670	1014	156	3438	3154	-708	-688	9378	942	10320	2500	12820	50.03
19	4400	402	633	5435	670	985	156	3203	3383	-708	-690	9939	1339	11278	2470	13748	49.97
20	4316	597	632	5545	669	921	134	3177	3361	-606	-590	10060	1809	11869	2443	14312	49.83
21	4276	594	644	5514	669	886	155	3229	3618	-654	-594	10272	1875	12147	2363	14510	49.87
22	4217	515	651	5383	669	714	148	3221	3363	-630	-562	9735	1713	11448	2177	13625	49.79
23	4193	387	665	5245	668	796	153	3105	3318	-593	-521	9659	1396	11055	2040	13095	49.83
24	4108	137	660	4905	669	595	148	3117	3128	-522	-445	9000	1374	10374	1907	12281	49.94
MUs	98.27	5.71	15.61	119.59	16.02	17.08	3.75	75.71	82.11	-12.25	-11.51	227.10	29.54	256.64	51.16	307.80	49.91

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 22/Jul/2010

Position as on 6.30 Hrs of 23/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 3	210	26/05/2010	23.59		Continued.	Water Balancing Problem.	08/08/2010
Koradi Unit 5	200	26/06/2010	02:33		Continued.	Annual Overhaul.	25/07/2010
Cent_Sect NTPC (K-2)	210	30/06/2010	23.46		Continued.	Annual Overhaul.	25/07/2010
Cent_Sect NTPC(V) 9	500	01/07/2010	00.04		Continued.	Annual Overhaul.	25/07/2010
Cent_Sect Kawas ST2C	116	01/07/2010	00.08		Continued.	Annual Overhaul.	04/08/2010
Parli Unit 4	210	05/07/2010	09.27		Continued.	Capital Overhaul	07/08/2010
Koyna ST-IV 1	250	16/07/2010	00.00		Continued.	Preparing work for 2nd lake tapping.	15/11/2010
Koyna ST-IV 2	250	16/07/2010	00.00		Continued.	preparing work for 2nd lake tapping.	15/11/2010
Koyna ST - IV 4	250	16/07/2010	00.00		Continued.	preparing work for 2nd lake tapping.	15/11/2010
Koyna ST - IV 3	250	16/07/2010	00.00		Continued.	Preparing work for 2nd lake tapping.	15/11/2010
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.	
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.	30/07/2010
Dabhol 1A	230	18/06/2010	13.09		Continued.	Unit Differential.	30/07/2010
Dabhol 1X	290	18/06/2010	13.09		Continued.	Unit Differential.	30/07/2010
Cent_Sect TARAPUR-4	540	28/06/2010	05.54	22/07/2010	16.28	System Deficiency.	
Koradi Unit 4	115	06/07/2010	10.03		Continued.	Boiler Tube Leakage.	22/07/2010
Dabhol 2A	230	12/07/2010	01.55		Continued.	Tripped due to Electrical Fault	30/07/2010
Dabhol 2B	230	12/07/2010	01.55		Continued.	Tripped due to Electrical Fault	30/07/2010
Dabhol 2X	290	12/07/2010	01.55		Continued.	Tripped due to Electrical Fault	30/07/2010
Nasik Unit 1	125	19/07/2010	17.01	22/07/2010	12.55	Boiler Tube Leakage.	
Bhusawal Unit 2	210	20/07/2010	19.00		Continued.	Boiler Tube Leakage.	23/07/2010
Parli Unit 7	250	21/07/2010	13.15	22/07/2010	15.45	Flame Failure.	
Cent_Sect Tarapur 1	80	22/07/2010	13.19		Continued.	Maintenance work.	27/07/2010

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 22/Jul/2010

Position as on 6.30 Hrs of 23/Jul/2010

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Tata Trombay 5	500	22/07/2010	14.05	22/07/2010	19.00	Tripped on MTF,due to air flow less.	
Uran Unit 5	108	23/07/2010	00.25		Continued.	Boiler Inspection.	23/07/2010
Chandrapur Unit 6	500	23/07/2010	03.24		Continued.	BLR T/L,	25/07/2010

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 22/Jul/2010

Position as on 6.30 Hrs of 23/Jul/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Wardha - Akola - II	11/07/2010	13.07		Continued.	Over Voltage
Kolhapur-Mapusa Ckt I	16/07/2010	18.43		Continued.	Over Voltage
Dhule-Sar'Sarovar - I	20/07/2010	23.24		Continued.	Over Voltage.
Akola - Aurangabad - I	21/07/2010	13.10		Continued.	Changeover.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50 MVAR Reactor of Chandrpur - Parli - II @ Parli	12/08/2009	10.15		Continued.	Bushing Problem.
Lonikand- Koyna Stage IV	16/07/2010	10.52		Continued.	E/W replacement work (Ready)
400/220 KV 500 MVA ICT - II @ Jejuri	22/07/2010	07.38	22/07/2010	15.21	Testing work.
Main Bus- II @ Jejuri	22/07/2010	10.06	22/07/2010	15.47	Overhauling and Serving of 29A isolator.
400/220 KV 500 MVA ICT-I @ Jejuri	22/07/2010	15.27	22/07/2010	18.30	Testing 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.
Main Bus - I @ Arrey	22/07/2010	00.34	22/07/2010	05.50	Double isolator scheme work.
Babaleshwar - Alephata	22/07/2010	09.43	22/07/2010	18.10	Q.M.Work
220/132KV 200 MVA ICT-III @ Chinchwad	22/07/2010	10.44	22/07/2010	17.43	Q.M.Work
Wardha - Yawatmal	22/07/2010	10.51	22/07/2010	16.09	Repl.of B & Y-Ph wave trap.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
132 KV Bus @ Chinchwad	22/07/2010	10.44	22/07/2010	17.45	Q.M.Work
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
N.Koyna-Phinolex	21/07/2010	18.30	22/07/2010	16.43	Control ckt.of 220KV Finolex is faulty,so line is on TBC.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
80 MVAR Line Reactor of Lonikand - Karad @ Karad	04/03/2010	11.58		Continued.	Red Hot Spot Observed on Earthing.
Bhusawal- Aurangabad	19/06/2010	22.51		Continued.	Over Voltage
Karad-New Koyna II	21/07/2010	22.49		Continued.	H/T For O/V.
Voltage Level : 400KV			Outage Type TRIPPED		
New Koyna - Koyna Stage IV - II	16/07/2010	22.58		Continued.	Over Voltage
Karad - Kolhapur - I	19/07/2010	19.52		Continued.	Over Voltage.
Jejuri-Koyna STG-IV	22/07/2010	05.26	22/07/2010	09.17	Trip on O/V.
Jejuri-Koyna STG-IV	22/07/2010	23.54		Continued.	Trip on O/V.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 200 MVA ICT - II @ Theur	01/06/2010	03.57		Continued.	Oil Tank Burst.
220/100 125 MVA ICT - II @ Trombay	21/07/2010	22.54	22/07/2010	01.29	Diff.Protn.operated.
New parly-Nanded	22/07/2010	20.22	22/07/2010	21.26	Dist.Prot.Operated Z-1,Y-Ph.
Karad-Sada Waghapur	23/07/2010	00.01		Continued.	Trip on O/V.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 22/Jul/2010

Position as on 6.30 Hrs of 23/Jul/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 132KV			Outage Type TRIPPED		
Girwali - Latur MIDC	17/07/2010	04.34		Continued.	Breaker replacement
Girwali - Gangakhed	22/07/2010	05.42	22/07/2010	06.12	Dist.Prot.operated Y-Ph.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 23/Jul/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	75
Unit 2	105	70
Unit 3	105	80
Unit 4	105	0
Unit 5	200	0
Unit 6	210	150
Unit 7	210	150
	1040	525
Bhusawal		
Unit 1	58	25
Unit 2	210	0
Unit 3	210	170
	478	195
Parli		
Unit 1	30	0
Unit 2	30	0
Unit 3	210	150
Unit 4	210	0
Unit 5	210	110
Unit 6	250	200
Unit 7	250	0
	1190	460
Chandrapur		
Unit 1	210	160
Unit 2	210	140
Unit 3	210	0
Unit 4	210	190
Unit 5	500	300
Unit 6	500	0
Unit 7	500	350
	2340	1140
Paras		
Unit 2	55	0
Unit 3	250	150
Unit 4	250	0
	555	150
Khaparkheda		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	170
Unit 4	210	170
	840	680
Nasik		
Unit 1	120	85
Unit 2	120	85
Unit 3	210	160
Unit 4	210	180
Unit 5	210	160
	870	670
Koyna		
Stage 1-2	600	600
Stage 4	1000	0
Stage 3	320	320
	1920	920
Uran		
All Units	852	480

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	480
Hydro		
KDPH	40	0
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	3
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	0
	611	151
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	630
	960	630
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3294
	3143	3294

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