



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

State Load Dispatch Center, Airoli

Daily system Report

for

21/Jul/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 21/Jul/2010 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	98.974	1729.049	1) Madhya Pradesh	61.877	1227.351
2) Hydro	6.834	204.897	2) Gujrat	23.677	438.275
3) Gas	15.724	326.303	3) Goa	-5.273	-117.928
Total MSGENCO	121.532	2260.249	4) TAPS 1&2 (Inj.)	7.370	155.033
B) OTHERS			5) Pench (Excess)	-0.064	-1.336
1) RGPPL Gas	15.708	470.580	# Total Cent. Sector	87.587	1701.395
2) Wind Generation	13.202	262.620	F) Other Exchanges		
3) CPP	5.412	112.797	1) With TPCL (Excess)	-11.548	-179.944
4) PENCH (MS)	0.064	1.336	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	9.391	-13.633
1) TPCL Thermal	26.900	571.322	Include PX	4.570	50.127
2) TPCL Hydro	0.420	44.719	2) MUMBAI Bilateral	13.027	217.734
TOTAL TPCL	27.320	616.041	Include PX	5.324	66.353
3) REL Thermal	12.547	263.521	3) MUMBAI Schedule	13.027	217.734
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	138.421	2563.892	1) MSEDCL	231.957	4629.033
2) Hydro (A2+B3+C2)	7.318	250.952	2) TPCL	33.757	691.148
3) Gas (A3+B1)	31.432	796.883	3) REL	17.657	368.308
4) Wind (B2)	13.202	262.620	TOTAL STATE	283.371	5688.489
5) CPP (B3)	5.412	112.797			
TOTAL STATE	195.785	3987.144			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4143	4149	4285
MSGENCO Hydro	229	758	40
MSGENCO Gas	655	665	664
MSGENCO Total Generation	5027	5572	4989
Central Sector Receipt	3643	3616	3738
RGPPL	654	653	659
WIND	622	567	413
CPP	217	210	243
Exchange with TPCL	-725	-600	-154
MSEDCL DEMAND MET	9438	10042	9888
Load Shedding	3105	3199	961
MSEDCL DEMAND (INCL. LS)	12543	13241	10849
TPCL GENERATION	1401	1320	790
REL GENERATION	526	522	528
TPCL+REL DEMAND	2652	2442	1472
STATE DEMAND MET	12090	12484	11360
STATE DEMAND (INCL. LS)	15195	15683	12321
Frequency (Hz)	49.84	49.60	49.99
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3973 MW AT 13.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			74.38 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.3 Hz at 10.37 Hrs	49.16 Hz at 20.33 Hrs	49.75	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 21/Jul/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.90	9.04	91	63	75
Unit 2	1.77	10.01	78	66	70
Unit 3	1.82	21.67	80	67	75
Unit 4	0.00	4.30	0	0	0
Unit 5	0.00	0.00	0	0	0
Unit 6	3.49	69.51	170	123	150
Unit 7	4.44	65.63	200	160	180
	13.41	180.16			550
Bhusawal					
Unit 1	0.44	0.62	20	16	25
Unit 2	0.00	58.75	0	0	0
Unit 3	3.75	68.33	170	140	165
	4.19	127.70			190
Parli					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	3.20	40.20	155	89	120
Unit 4	0.00	0.00	0	0	0
Unit 5	2.37	50.92	106	92	110
Unit 6	4.62	94.82	212	169	200
Unit 7	1.25	17.87	115	0	
	11.44	203.82			430
Chandrapur					
Unit 1	3.53	61.38	159	83	160
Unit 2	3.61	62.51	156	142	145
Unit 3	0.00	0.00	0	0	0
Unit 4	3.36	84.42	175	88	160
Unit 5	7.30	24.37	360	230	270
Unit 6	7.12	128.34	398	218	270
Unit 7	7.88	89.98	396	285	270
	32.80	450.99			1275
Paras					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.94	74.14	198	122	165
Unit 4	3.66	62.28	221	101	
	7.60	136.42			165
Khaparkheda					
Unit 1	4.30	83.24	200	160	190
Unit 2	4.06	75.68	180	159	170
Unit 3	4.24	85.01	195	165	190
Unit 4	3.99	80.49	177	155	170
	16.59	324.42			720
Nasik					
Unit 1	0.00	32.73	0	0	0
Unit 2	1.60	31.09	85	50	80
Unit 3	3.88	81.51	180	150	160
Unit 4	3.73	79.92	172	138	170
Unit 5	3.73	80.29	170	131	170
	12.94	305.53			580
Koyna					
Stage 1-2	2.86	79.06	410	35	600
Stage 4	0.00	54.74	0	0	0
Stage 3	2.09	38.42	316	0	320
	4.95	172.22			920
Kovna 12&4 Total	2.86	133.80			600

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.72	326.30	665	631	630
		15.72	326.30			630
Hydro						
KDPH		0.00	1.44	0	0	0
VTRNA		0.00	0.37	0	0	0
TILLARI		0.38	2.77	62	0	60
BHTGR/VEER		0.00	0.70	0	0	0
BHIRA T.R.		0.22	5.16	68	0	40
RNGR+BHTSA		0.03	0.21	3	0	0
BHANDARDRA		0.00	0.14	0	0	0
ELDARY		0.00	0.00	0	0	0
SMLHY PTN		0.05	2.13	9	0	33
GHATGHAR		1.21	19.76	250	0	0
		1.88	32.68			133
PENCH (MS)						
Pench (MS)		0.06	1.34	24	0	
		0.06	1.34			
Wind						
MalharPeth		0.52	10.14			
Vankuswadi		1.51	24.42			
ATIT		0.24	5.30			
Kale		0.70	9.07			
Satara		0.52	23.48			
Shirala		0.41	7.77			
K Mahankal		2.25	16.66			
Supa		0.18	3.81			
Vita		3.80	49.91			
Dondaicha		1.46	63.43			
Sakri		0.33	12.01			
Nandurbar		0.20	7.60			
Khadakale		0.68	17.38			
Khaparale		0.39	11.65			
		13.20	262.62			
CPP						
TOTAL CPP		5.41	112.80			
		5.41	112.80			
Dabhol						
RGPPL		15.71	470.58	659	650	630
		15.71	470.58			630
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		10.42	224.55	495	300	500
Trombay 6		7.80	154.81	500	150	500
Trombay 7A		2.87	53.25	123	113	120
Trombay 7B		0.33	26.05	66	0	0
Trombay 8		5.48	112.66	239	225	250
TATA Hydro		0.42	44.72	69	0	447
		27.32	616.04			1817
REL						
1&2		12.55	263.52	528	512	500
		12.55	263.52			500
Cent Sect						
Share						3145
						3145
MS PG CL	Thermal	98.97	1729.05			3910
	Thml+Gas	114.70	2055.35			4540
	Hydro	6.83	204.90			1053
	Total	121.53	2260.25			5593
State Total		195.78	3987.14			11685

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 21/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	4169	164	653	4986	656	350	242	3062	3887	-437	-389	9732	1113	10845	1840	12685	49.67
2	4220	40	659	4919	658	390	247	2928	3678	-320	-268	9624	1310	10934	1570	12504	49.90
3	4223	40	660	4923	658	445	245	2842	3710	-251	-199	9782	1168	10950	1516	12466	49.94
4	4285	40	664	4989	659	413	243	2795	3738	-204	-154	9888	961	10849	1472	12321	49.99
5	4343	45	660	5048	657	452	247	2759	3889	-156	-110	10183	1041	11224	1430	12654	49.87
6	4240	40	664	4944	657	443	244	2811	3856	-204	-152	9992	1720	11712	1488	13200	49.77
7	4247	65	658	4970	657	508	242	3130	3285	-290	-252	9410	2483	11893	1660	13553	49.82
8	4321	40	659	5020	657	592	243	3177	3268	-433	-403	9377	2746	12123	1851	13974	49.84
9	4368	44	663	5075	655	634	225	3296	3434	-551	-534	9489	2967	12456	2095	14551	49.75
10	4278	195	658	5131	655	601	214	3378	3478	-616	-589	9490	2988	12478	2408	14886	49.81
11	4143	229	655	5027	654	622	217	3519	3643	-761	-725	9438	3105	12543	2652	15195	49.84
12	3935	337	656	4928	651	647	223	3564	3596	-808	-766	9279	3087	12366	2699	15065	49.62
13	3895	443	646	4984	651	626	208	3531	4005	-785	-734	9740	2772	12512	2624	15136	49.65
14	3961	509	631	5101	650	557	197	3474	3980	-724	-672	9813	2579	12392	2529	14921	49.60
15	3844	461	644	4949	650	583	213	3381	3823	-628	-600	9618	2741	12359	2514	14873	49.64
16	3853	88	645	4586	652	673	212	3368	3591	-628	-580	9134	3158	12292	2502	14794	49.74
17	3998	94	648	4740	651	623	213	3422	3356	-678	-630	8953	3146	12099	2542	14641	49.81
18	4065	147	662	4874	653	629	219	3482	3671	-737	-685	9361	2996	12357	2520	14877	49.96
19	4131	197	660	4988	655	590	192	3337	3429	-737	-685	9169	3109	12278	2521	14799	49.71
20	4149	758	665	5572	653	567	210	3408	3616	-635	-600	10042	3199	13241	2442	15683	49.60
21	4183	890	656	5729	653	607	213	3546	3714	-659	-535	10405	2655	13060	2362	15422	49.55
22	4185	801	651	5637	654	687	233	3455	3519	-635	-435	10311	2350	12661	2252	14913	49.63
23	4003	707	651	5361	655	531	243	3265	3826	-599	-394	10222	1914	12136	2032	14168	49.68
24	3935	460	656	5051	657	430	227	3212	3598	-551	-457	9506	1903	11409	1894	13303	49.69
MUs	98.97	6.83	15.72	121.53	15.71	13.20	5.41	78.14	87.59	-13.03	-11.55	231.96	57.21	289.17	51.42	340.58	49.75

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 21/Jul/2010

Position as on 6.30 Hrs of 22/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		Continued.	System Deficiency.	25/07/2010
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
Tata Trombay 7B	60	19/07/2010	14.23	21/07/2010	18.24	Boiler Tube Leakage.	
Nasik Unit 1	125	19/07/2010	17.01		Continued.	Boiler Tube Leakage.	24/07/2010
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		Continued.	Flame Failure.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/Jul/2010

Position as on 6.30 Hrs of 22/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		
Wardha - Akola - II	11/07/2010	13.07		Continued.	Over Voltage
Akola-Aurangabad-II	15/07/2010	10.15	21/07/2010	13.04	To control Aurangbad ICT loading
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 Chandrapur - 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)
400/132KV 200MVA ICT-I @ Bhusawal	21/07/2010	09.30	21/07/2010	11.30	Repl.of polyethylene papaer of Bucholz relay and R.M.work.
400/132 KV 200 MVA ICT - II @ Bhusawal	21/07/2010	13.59	21/07/2010	16.25	Repl.of polyethylene paper of Bucholz relay and R.M.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.
Karad-Oglewadi-I	13/07/2010	19.20		Continued.	Replacement of own Brekaer, Line on TBC
Nasik - Ghatghar	21/07/2010	11.52	21/07/2010	16.33	Insulator replacement.
Main Bus - I @ Arrey	22/07/2010	00.34	22/07/2010	05.50	Double isolator scheme work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Ambazari - Hingna - I	21/07/2010	10.00	21/07/2010	13.25	Repl.Of R-Ph wave trap.
Ambazari-Hingna-II	21/07/2010	12.25	21/07/2010	13.20	Installing trip ckt.supervision relay.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Khaperkheda-Purti	21/07/2010	10.34	21/07/2010	16.40	For attending Hot Spot at Loc.no 178.
N.Koyna-Phinolex	21/07/2010	18.30		Continued.	Control ckt.of 220KV Finolex is faulty,so line is on TBC.
220/132 KV 150 MVA ICT-I @ Dhule	21/07/2010	20.25	21/07/2010	21.43	To attend Red Hot Spot on HV Y-Ph Bushing.
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-Lamboti	20/07/2010	18.55	21/07/2010	08.54	Over Loading.
Karad-Newkoyna 1	20/07/2010	23.10	21/07/2010	09.35	Over Voltage.
Karad-New Koyna II	21/07/2010	22.49		Continued.	H/T For O/V.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
220/132KV 200 MVA ICT-II @ Raymond	18/07/2010	19.55	21/07/2010	15.40	H/T due to oil leakage of R phase CT
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		Continued.	Trip on O/V.
Voltage Level : 220KV			Outage Type TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 21/Jul/2010

Position as on 6.30 Hrs of 22/Jul/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
220/132 KV 200 MVA ICT - II @ Theur	01/06/2010	03.57		Continued.	Oil Tank Burst.
Dondaicha - Suzlon - I	20/07/2010	18.41	21/07/2010	01.25	R Ph Wave Trap Jumper of Suzlon-I Open @ Dondaicha,LBB Operated.
Dondaicha - Walve	20/07/2010	18.41	21/07/2010	00.45	R Ph Wave R Ph Wave Trap Jumper of Suzlon-I Open @ Dondaicha,LBB Operated. Trap Jumper Open @ Dondaicha,LBB Operated.
Walve - Gangapur	20/07/2010	18.41	21/07/2010	00.50	R Ph Wave Trap Jumper Open @ Dondaicha,LBR Ph Wave Trap Jumper of Suzlon-I Open @ Dondaicha,LBB Operated. B Operated.
Parly - New Parly TPS - I	21/07/2010	10.12	21/07/2010	20.25	Dist.Protn.operated,B-Ph to ground.
Temghar-Colourchem	21/07/2010	12.40	21/07/2010	17.38	Auto reclose lock out at Colourchem.
220/100 125 MVA ICT - II @ Trombay	21/07/2010	22.54	22/07/2010	01.29	Diff.Protn.operated.
Voltage Level : 132KV			Outage Type TRIPPED		
Girwali - Latur MIDC	17/07/2010	04.34		Continued.	Breaker replacement

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 22/Jul/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	75
Unit 2	105	65
Unit 3	105	70
Unit 4	105	0
Unit 5	200	0
Unit 6	210	150
Unit 7	210	180
	1040	540
Bhusawal		
Unit 1	58	25
Unit 2	210	0
Unit 3	210	160
	478	185
Parli		
Unit 1	30	0
Unit 2	30	0
Unit 3	210	140
Unit 4	210	0
Unit 5	210	110
Unit 6	250	200
Unit 7	250	0
	1190	450
Chandrapur		
Unit 1	210	160
Unit 2	210	145
Unit 3	210	0
Unit 4	210	190
Unit 5	500	300
Unit 6	500	300
Unit 7	500	300
	2340	1395
Paras		
Unit 2	55	0
Unit 3	250	130
Unit 4	250	0
	555	130
Khaparkheda		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	170
Unit 4	210	170
	840	680
Nasik		
Unit 1	120	0
Unit 2	120	80
Unit 3	210	160
Unit 4	210	170
Unit 5	210	160
	870	570
Koyna		
Stage 1-2	600	600
Stage 4	1000	0
Stage 3	320	320
	1920	920
Uran		
All Units	852	640

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	640
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	11
GHATGHAR	250	0
	611	111
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	500
Trombay 5	500	500
Trombay 6	500	120
Trombay 7A	120	60
Trombay 7B	60	250
Trombay 8	250	
TATA Hydro	444	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3219
	3143	3219