



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

State Load Dispatch Center, Airoli

Daily system Report

for

22/Aug/2010

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	64.421	1587.985	1) Madhya Pradesh	67.800	1254.435
2) Hydro	5.174	157.363	2) Gujrat	38.090	744.604
3) Gas	15.820	343.104	3) Goa	-5.521	-126.081
Total MSGENCO	85.415	2088.452	4) TAPS 1&2 (Inj.)	7.878	167.456
B) OTHERS			5) Pench (Excess)	-0.083	-0.980
1) RGPPL Gas	29.397	577.350	# Total Cent. Sector	108.164	2039.434
2) Wind Generation	5.560	291.117	F) Other Exchanges		
3) CPP	11.524	137.873	1) With TPCL (Excess)	-5.883	-245.880
4) PENCH (MS)	0.083	0.980	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	4.801	87.867
1) TPCL Thermal	24.296	479.979	Include PX	7.182	138.041
2) TPCL Hydro	0.221	104.860	2) MUMBAI Bilateral	6.326	259.508
TOTAL TPCL	24.517	584.839	Include PX	1.112	95.779
3) REL Thermal	12.592	277.319	3) MUMBAI Schedule	6.326	265.158
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	101.309	2345.283	1) MSEDCL	234.260	4889.326
2) Hydro (A2+B3+C2)	5.478	263.203	2) TPCL	28.211	729.610
3) Gas (A3+B1)	45.217	920.454	3) REL	14.779	378.425
4) Wind (B2)	5.560	291.117	TOTAL STATE	277.250	5997.361
5) CPP (B3)	11.524	137.873			
TOTAL STATE	169.088	3957.930			

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	2693	2815	2420
MSGENCO Hydro	255	747	78
MSGENCO Gas	652	653	661
MSGENCO Total Generation	3600	4215	3159
Central Sector Receipt	4512	4879	4424
RGPPL	1262	1248	1159
WIND	222	288	206
CPP	476	487	477
Exchange with TPCL	-341	-414	-9
MSEDCL DEMAND MET	9731	10727	9416
Load Shedding	1826	2390	781
MSEDCL DEMAND (INCL. LS)	11557	13117	10197
TPCL GENERATION	1109	1145	871
REL GENERATION	526	521	525
TPCL+REL DEMAND	1976	2080	1405
STATE DEMAND MET	11707	12807	10821
STATE DEMAND (INCL. LS)	13533	15197	11602
Frequency (Hz)	49.99	49.89	50.02
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3867 MW AT 13.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			80.17 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.51 Hz at 16.06 Hrs	49.46 Hz at 21.03 Hrs	50.02	0 % of Time(min)

* 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/Aug/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.06	28.67	56	30	40
Unit 2	1.38	18.38	66	40	60
Unit 3	0.00	18.79	0	0	0
Unit 4	0.00	5.20	0	0	0
Unit 5	3.54	55.36	166	113	125
Unit 6	1.47	50.40	155	0	110
Unit 7	0.35	40.04	105	0	0
	7.79	216.84			335
Bhusawal					
Unit 1	0.00	2.24	0	0	0
Unit 2	2.53	48.42	140	60	130
Unit 3	0.00	0.00	0	0	0
	2.53	50.65			130
Parli					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.03	3.12	19	0	0
Unit 3	2.07	58.11	160	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	0.00	39.90	0	0	0
Unit 6	0.56	63.77	150	0	0
Unit 7	2.13	44.80	149	0	20
	4.78	209.70			20
Chandrapur					
Unit 1	2.84	59.89	146	90	100
Unit 2	2.36	59.13	133	54	100
Unit 3	2.87	8.32	158	70	100
Unit 4	0.00	50.26	0	0	0
Unit 5	5.58	108.88	305	170	300
Unit 6	3.76	89.34	185	119	200
Unit 7	5.74	128.20	271	214	225
	23.15	504.02			1025
Paras					
Unit 2	0.38	2.05	21	1	15
Unit 3	0.00	54.91	0	0	0
Unit 4	2.80	39.44	200	51	0
	3.18	96.41			15
Khaparkheda					
Unit 1	4.56	90.97	210	170	190
Unit 2	4.15	71.93	180	143	175
Unit 3	4.14	84.30	192	153	180
Unit 4	0.00	48.44	0	0	0
	12.85	295.65			545
Nasik					
Unit 1	0.00	27.03	0	0	0
Unit 2	0.00	19.03	0	0	0
Unit 3	3.51	61.92	165	85	140
Unit 4	3.38	49.58	160	90	140
Unit 5	3.24	57.15	157	117	140
	10.13	214.72			420
Koyna					
Stage 1-2	1.74	61.86	315	30	600
Stage 4	0.00	0.00	0	0	0
Stage 3	1.12	24.74	318	0	320
	2.86	86.61			920
Kovna 12&4 Total	1.74	61.86			600

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.82	343.10	678	646	640
		15.82	343.10			640
Hydro						
KDPH		0.00	0.00	0	0	0
VTRNA		0.00	1.92	0	0	61
TILLARI		0.06	6.46	50	0	60
BHTGR/VEER		0.16	4.16	7	6	7
BHIRA T.R.		0.21	9.38	80	0	80
RNGR+BHTSA		0.06	1.04	3	2	3
BHANDARDRA		0.00	9.03	0	0	22
ELDARY		0.00	0.00	0	0	0
SMLHY PTN		0.54	12.76	29	20	9
GHATGHAR		1.29	25.99	250	0	0
		2.31	70.75			242
PENCH (MS)						
Pench (MS)		0.08	0.98	27	0	
		0.08	0.98			
Wind						
MalharPeth		0.18	11.69			
Vankuswadi		0.48	24.41			
ATIT		0.07	7.21			
Kale		0.15	10.24			
Satara		0.73	26.35			
Shirala		0.17	10.50			
K Mahankal		0.01	12.63			
Supa		0.04	4.22			
Vita		0.45	47.60			
Dondaicha		2.01	77.43			
Sakri		0.42	14.81			
Nandurbar		0.25	9.39			
Khandke		0.17	18.88			
Khaparale		0.41	15.77			
		5.56	291.12			
CPP						
TOTAL CPP		11.52	137.87			
		11.52	137.87			
Dabhol						
RGPPL		29.40	577.35	1264	1145	1250
		29.40	577.35			1250
Tata						
Trombay 4		0.00	4.07	0	0	0
Trombay 5		10.45	120.68	500	300	500
Trombay 6		5.90	158.58	460	150	500
Trombay 7A		2.94	54.68	125	120	120
Trombay 7B		1.63	29.30	69	67	60
Trombay 8		3.38	112.66	231	0	250
TATA Hydro		0.22	104.86	89	0	447
		24.52	584.84			1877
REL						
1&2		12.59	277.32	527	521	500
		12.59	277.32			500
Cent Sect						
Share						3638
						3638
MS PG CL	Thermal	64.42	1587.98			2490
	Thml+Gas	80.24	1931.09			3130
	Hydro	5.17	157.36			1162
	Total	85.42	2088.45			4292
State Total		169.09	3957.93			11557

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 22/Aug/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	2508	172	658	3338	1145	231	456	2948	4585	-278	-223	9532	1294	10826	1719	12545	49.97
2	2513	68	657	3238	1148	209	485	2877	4340	-210	-162	9258	1207	10465	1610	12075	49.99
3	2424	83	663	3170	1148	190	483	2806	4299	-142	-80	9210	1021	10231	1527	11758	49.96
4	2420	78	661	3159	1159	206	477	2713	4424	-50	-9	9416	781	10197	1405	11602	50.02
5	2457	68	662	3187	1161	159	482	2713	4860	-50	-5	9844	880	10724	1401	12125	50.08
6	2482	63	678	3223	1150	163	478	2902	4753	-50	-12	9755	1160	10915	1440	12355	50.10
7	2661	68	677	3406	1228	101	483	3069	4279	-207	-164	9333	1473	10806	1592	12398	50.17
8	2813	63	669	3545	1246	81	479	3067	4423	-207	-189	9585	1479	11064	1603	12667	50.10
9	2945	72	672	3689	1256	145	479	3065	4659	-207	-236	9992	1630	11622	1721	13343	50.02
10	3002	132	673	3807	1259	202	482	3278	4419	-290	-328	9841	1640	11481	1853	13334	50.16
11	2907	153	657	3717	1264	160	476	3394	4799	-290	-326	10090	1462	11552	1955	13507	50.02
12	2693	255	652	3600	1262	222	476	3312	4512	-290	-341	9731	1826	11557	1976	13533	49.99
13	2652	74	651	3377	1260	203	479	3285	4731	-290	-336	9714	2078	11792	2009	13801	49.99
14	2712	64	654	3430	1246	233	475	3276	4449	-290	-287	9546	2126	11672	1963	13635	50.06
15	2722	64	654	3440	1248	403	480	3278	4176	-290	-281	9466	2463	11929	1881	13810	50.10
16	2717	65	653	3435	1248	286	490	3279	3846	-290	-285	9020	2610	11630	1890	13520	50.25
17	2687	60	653	3400	1246	326	484	3279	4493	-290	-274	9675	1975	11650	1793	13443	50.24
18	2697	70	646	3413	1248	474	482	3279	4470	-290	-247	9840	2055	11895	1761	13656	50.21
19	2785	350	651	3786	1247	294	484	3483	4215	-281	-234	9792	2444	12236	1814	14050	49.98
20	2740	981	650	4371	1248	274	483	3594	4319	-392	-337	10358	2600	12958	2057	15015	49.80
21	2815	747	653	4215	1248	288	487	3835	4879	-439	-414	10727	2390	13117	2080	15197	49.89
22	2684	763	655	4102	1249	287	489	3813	4804	-418	-389	10569	2175	12744	2039	14783	49.76
23	2686	503	660	3849	1248	225	481	3594	4697	-395	-362	10165	1913	12078	2004	14082	49.82
24	2699	158	661	3518	1235	198	474	3501	4733	-395	-362	9801	1873	11674	1899	13573	49.91
MUs	64.42	5.17	15.82	85.42	29.40	5.56	11.52	77.64	108.16	-6.33	-5.88	234.26	42.56	276.82	42.99	319.81	50.02

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/Aug/2010

Position as on 6.30 Hrs of 23/Aug/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
Parli Unit 4	210	05/07/2010	09.27		Continued.	Capital Overhaul	25/08/2010
Koyna ST-IV 1	250	16/07/2010	00.00		Continued.	Preparing Work for 2nd Lake Tapping.	15/11/2010
Koyna ST - IV 3	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 2	250	16/07/2010	00.00		Continued.	Preparing Work for 2nd Lake Tapping.	15/11/2010
Bhusawal Unit 3	210	31/07/2010	05.26		Continued.	Annual Overhaul.	15/09/2010
Cent_Sect KARPR2	220	14/08/2010	14:16		Continued.	Annual Overhaul.	30/08/2010
Cent_Sect NTPC(V-8)	500	20/08/2010	00.46		Continued.	AOH.	15/09/2010
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	
Uran Unit 3	60	16/06/2010	19.52		Continued.	R.M.Work.	
Parli Unit 1	30	18/06/2010	12:11		Continued.	For Scrapping.	
Dabhol 2A	230	12/07/2010	01.55		Continued.	Tripped due to Electrical Fault	23/08/2010
Dabhol 2B	230	12/07/2010	01.55		Continued.	Tripped due to Elect.Fault	23/08/2010
Dabhol 2X	290	12/07/2010	01.55		Continued.	Tripped due to Elect.Fault	23/08/2010
Koradi Unit 4	115	05/08/2010	10.02		Continued.	Condensor tube leakage.	23/08/2010
Bhusawal Unit 1	58	10/08/2010	06.05		Continued.	Wet Coal	23/08/2010
Koradi Unit 3	105	15/08/2010	14.26		Continued.	Tripped due to LT supply fail	24/08/2010
Khaparkheda Unit 4	210	16/08/2010	02.50		Continued.	Tripped on Generator side Liquid sealing leakage	24/08/2010
Koradi Unit 7	210	17/08/2010	02.53	22/08/2010	18:05	Tripped P.A.Fan Problem	23/08/2010
Nasik Unit 1	125	19/08/2010	01.25		Continued.	Coal Mill Problem.	
Chandrapur Unit 4	210	19/08/2010	15.49		Continued.	Furnace pressure high	23/08/2010
Nasik Unit 2	125	20/08/2010	07.50		Continued.	Steam Temperature high	23/08/2010
Paras Unit 3	250	20/08/2010	22.17		Continued.	Coal mill tripped.	23/08/2010
Parli Unit 5	210	21/08/2010	05.46	23/08/2010	03.35	Drum level low.	
Paras Unit 2	55	21/08/2010	13:17	22/08/2010	00.55	Trip no coal flow.	
Parli Unit 2	30	21/08/2010	19.01	22/08/2010	22.15	AC supply failed.	
Parli Unit 3	210	21/08/2010	19.01	22/08/2010	07.25	AC supply failed.	
Parli Unit 7	250	21/08/2010	19.01	22/08/2010	05.25	AC supply failed.	

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

Position as on 6.30 Hrs of 23/Aug/2010

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Parli Unit 6	250	21/08/2010	19.01	22/08/2010	06.23	AC supply failed.	
Koradi Unit 6	210	22/08/2010	10:41		Continued.	Boiler Tube Leakage	24/08/2010
Parli Unit 6	250	22/08/2010	11:15		Continued.	Hydrogen Tube Leakage	24/08/2010
Tata Trombay 8	250	22/08/2010	7:58	22/08/2010	13:11	Prim Air Header Pressure Low	
Paras Unit 2	55	23/08/2010	04.11		Continued.	Boiler Tube Leakage	26/08/2010

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

Position as on 6.30 Hrs of 23/Aug/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 - II	12/08/2010	21.27		Continued.	Over Voltage.
Dhule - S'Sarovar- II	21/08/2010	10.54		Continued.	H/T for O/V.
Voltage Level : 400KV			Outage Type TRIPPED		
Akola - Aurangabad - I	21/08/2010	06.06		Continued.	Tripped on O/V.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC POLE - II	18/08/2010	08.06		Continued.	Annual Maintenance.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50 MVAR Reactor of Chandrapur - Parli - II @ Parli	12/08/2009	10.15		Continued.	Bushing Problem.
Main Bus-I At Stage-4 Koyna.	12/08/2010	11.50		Continued.	Routine Maintenance Work.
Karad-Lamboti	20/08/2010	10.28		Continued.	New ICT Commissioning work.
400/220 KV,500 MVA ICT-II At Lamboti.	21/08/2010	12.42		Continued.	Trip NDR.(Kept on humming.)
New Koyna - Koyna Stage IV - II	22/08/2010	07.30		Continued.	Maint.Work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125MVA ICT-IV @ Kalwa	02/08/2010	10.10		Continued.	Replacement of 125 MVA ICT by 200 MVA New ICT.
Uran - JNPT	20/08/2010	12.12	22/08/2010	14.22	R.M.Work.
Chandrapur MIDC - Gadchandur	21/08/2010	11.15		Continued.	Retrofitting work.
Dhamangaon - Badnera	21/08/2010	12.35	22/08/2010	18.00	Breaker O/H wok.Ckt is on TBC.
Borivali-Tarapur	22/08/2010	09.40	22/08/2010	18.10	Interconnection of Main Bus
Borivali-Mulund	22/08/2010	10.10	22/08/2010	18.26	Interconnection of Main Bus
Aarey-Versova	22/08/2010	11.00	22/08/2010	13.48	Safety purpose work on 33 KV Line
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Kalwa-Padgha-II	22/08/2010	08.25	22/08/2010	11.43	To attend Y phase Wave Trap Hot Spot
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Khaperkheda - Koradi	22/08/2010	09.29	22/08/2010	13.18	To attend Red Hot Spot
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.
Lonikand - Koyna Stage IV	19/08/2010	18.11		Continued.	H/T for O/V.
Bhusawal- Aurangabad	21/08/2010	17.58		Continued.	H/T for taken Bhusawal-BBLSR line in service.
Voltage Level : 400KV			Outage Type TRIPPED		
Chandrapur - Khaparkheda	24/07/2010	19.54		Continued.	Over Voltage.
Karad - Kolhapur - I	27/07/2010	18.42		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 200 MVA ICT - II @ Theur	01/06/2010	03.57		Continued.	Oil Tank Burst.

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

Position as on 6.30 Hrs of 23/Aug/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
220/100 KV 200 MVA ICT-II @ Apta	15/08/2010	21.10		Continued.	Tripped on Diff.prot.CTR system operated
Parli-Usmanabad	21/08/2010	19.01	22/08/2010	10.24	Bus bar prot. operated.
Dondaicha - Jamde - I	22/08/2010	22.24		Continued.	Distance Protection
Dondaicha - Jamde - II.	22/08/2010	22.24		Continued.	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Girwali - Latur MIDC	22/08/2010	07.53	22/08/2010	08.27	Distance protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 23/Aug/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	65
Unit 2	105	60
Unit 3	105	0
Unit 4	105	0
Unit 5	200	155
Unit 6	210	0
Unit 7	210	130
	1040	410
Bhusawal		
Unit 1	58	0
Unit 2	210	130
Unit 3	210	0
	478	130
Parli		
Unit 1	30	0
Unit 2	30	16
Unit 3	210	145
Unit 4	210	0
Unit 5	210	110
Unit 6	250	150
Unit 7	250	
	1190	421
Chandrapur		
Unit 1	210	120
Unit 2	210	120
Unit 3	210	130
Unit 4	210	0
Unit 5	500	250
Unit 6	500	200
Unit 7	500	250
	2340	1070
Paras		
Unit 2	55	0
Unit 3	250	0
Unit 4	250	
	555	0
Khaparkheda		
Unit 1	210	190
Unit 2	210	160
Unit 3	210	160
Unit 4	210	0
	840	510
Nasik		
Unit 1	120	0
Unit 2	120	0
Unit 3	210	140
Unit 4	210	140
Unit 5	210	140
	870	420
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	50
BHTGR/VEER	21	7
BHIRA T.R.	80	80
RNGR+BHTSA	20	3
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	150
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	
Khandke	0	
Khaparale	0	
	0	
CPP		
TOTAL CPP	0	
	0	
Dabhol		
RGPPL	960	1250
	960	1250
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	3650
	3143	3650

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