



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

State Load Dispatch Center, Airoli

Daily system Report

for

08/Aug/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 08/Aug/2010 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	78.116	595.432	1) Madhya Pradesh	48.628	449.962
2) Hydro	6.138	53.609	2) Gujrat	24.156	202.335
3) Gas	15.616	124.222	3) Goa	-5.274	-46.669
Total MSGENCO	99.870	773.263	4) TAPS 1&2 (Inj.)	7.234	59.383
B) OTHERS			5) Pench (Excess)	-0.068	-0.422
1) RGPPL Gas	24.270	151.193	# Total Cent. Sector	74.676	664.589
2) Wind Generation	20.830	187.087	F) Other Exchanges		
3) CPP	5.002	35.352	1) With TPCL (Excess)	-7.028	-81.885
4) PENCH (MS)	0.068	0.422	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	1.880	28.747
1) TPCL Thermal	19.458	172.299	Include PX	4.318	48.259
2) TPCL Hydro	3.632	41.113	2) MUMBAI Bilateral	7.907	92.855
TOTAL TPCL	23.090	213.412	Include PX	1.537	30.735
3) REL Thermal	12.642	101.223	3) MUMBAI Schedule	7.907	92.855
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	110.216	868.954	1) MSEDCL	217.688	1730.021
2) Hydro (A2+B3+C2)	9.838	95.144	2) TPCL	27.695	258.934
3) Gas (A3+B1)	39.886	275.415	3) REL	15.066	137.596
4) Wind (B2)	20.830	187.087	TOTAL STATE	260.449	2126.551
5) CPP (B3)	5.002	35.352			
TOTAL STATE	185.772	1461.952			

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	3288	3126	3299
MSGENCO Hydro	240	708	104
MSGENCO Gas	649	657	648
MSGENCO Total Generation	4177	4491	4051
Central Sector Receipt	3053	4197	2206
RGPPL	972	974	987
WIND	1001	548	988
CPP	210	229	217
Exchange with TPCL	-350	-471	-30
MSEDCL DEMAND MET	9063	9968	8419
Load Shedding	1839	2022	0
MSEDCL DEMAND (INCL. LS)	10902	11990	8419
TPCL GENERATION	1056	1079	899
REL GENERATION	528	527	523
TPCL+REL DEMAND	1934	2077	1452
STATE DEMAND MET	10997	12045	9871
STATE DEMAND (INCL. LS)	12836	14067	9871
Frequency (Hz)	49.90	49.79	49.84
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2876 MW AT 20.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			36.38 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.33 Hz at 14.06 Hrs	49.14 Hz at 22.05 Hrs	49.84	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 08/Aug/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.43	10.32	73	40	55
Unit 2	1.14	3.31	67	29	55
Unit 3	0.92	9.76	60	27	60
Unit 4	0.00	5.20	0	0	0
Unit 5	3.24	16.72	140	127	130
Unit 6	0.00	13.99	0	0	0
Unit 7	3.12	16.22	160	110	140
	9.86	75.52			440
Bhusawal					
Unit 1	0.90	1.33	43	30	40
Unit 2	2.48	15.74	130	70	120
Unit 3	0.00	0.00	0	0	0
	3.38	17.07			160
Parli					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	3.43	22.74	163	60	160
Unit 4	0.00	0.00	0	0	0
Unit 5	2.60	19.00	123	95	90
Unit 6	3.89	20.20	196	140	140
Unit 7	2.81	15.60	144	47	0
	12.74	77.55			390
Chandrapur					
Unit 1	3.45	22.00	156	125	140
Unit 2	3.31	22.37	148	114	140
Unit 3	0.00	0.00	0	0	0
Unit 4	2.57	23.82	137	75	140
Unit 5	3.66	37.39	205	100	200
Unit 6	4.08	32.80	240	115	200
Unit 7	5.57	44.62	256	206	240
	22.64	182.99			1060
Paras					
Unit 2	0.31	0.66	18	7	20
Unit 3	2.28	18.58	129	0	120
Unit 4	0.67	14.31	67	0	0
	3.26	33.55			140
Khaparkheda					
Unit 1	4.17	34.46	190	150	170
Unit 2	3.25	28.30	170	111	150
Unit 3	3.81	32.40	162	156	160
Unit 4	2.60	29.32	159	0	140
	13.84	124.49			620
Nasik					
Unit 1	1.76	13.68	98	33	70
Unit 2	1.33	9.50	94	36	50
Unit 3	3.10	22.98	190	70	160
Unit 4	3.42	14.11	171	93	160
Unit 5	2.79	23.99	161	58	150
	12.39	84.26			590
Koyna					
Stage 1-2	2.30	15.10	480	35	600
Stage 4	0.00	0.00	0	0	0
Stage 3	0.78	8.05	232	0	320
	3.08	23.15			920
Kovna 12&4 Total	2.30	15.10			600

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.62	124.22	661	644	640
		15.62	124.22			640
Hydro						
KDPH		0.00	0.00	0	0	0
VTRNA		0.22	1.56	61	0	0
TILLARI		0.43	4.81	60	0	60
BHTGR/VEER		0.20	1.62	9	8	8
BHIRA T.R.		0.34	3.52	80	0	80
RNGR+BHTSA		0.06	0.22	3	2	3
BHANDARDRA		0.61	6.17	26	25	36
ELDARY		0.00	0.00	0	0	0
SMLHY PTN		0.70	5.14	34	26	9
GHATGHAR		0.51	7.44	144	0	0
		3.06	30.46			196
PENCH (MS)						
Pench (MS)		0.07	0.42	25	0	0
		0.07	0.42			0
Wind						
MalharPeth		0.61	6.59			
Vankuswadi		1.49	14.56			
ATIT		0.27	4.13			
Kale		0.61	6.61			
Satara		2.96	18.41			
Shirala		0.57	6.82			
K Mahankal		0.08	6.88			
Supa		0.37	3.17			
Vita		3.19	31.48			
Dondaicha		5.72	49.03			
Sakri		1.35	9.54			
Nandurbar		0.62	5.34			
Khandke		1.84	14.46			
Khaparale		1.14	10.05			
		20.83	187.09			
CPP						
TOTAL CPP		5.00	35.35			
		5.00	35.35			
Dabhol						
RGPPL		24.27	151.19	1288	966	1250
		24.27	151.19			1250
Tata						
Trombay 4		0.00	4.07	0	0	0
Trombay 5		6.03	58.84	295	220	500
Trombay 6		4.08	43.06	170	170	500
Trombay 7A		2.60	17.11	109	107	120
Trombay 7B		1.51	8.28	64	62	60
Trombay 8		5.24	40.93	225	200	250
TATA Hydro		3.63	41.11	299	0	447
		23.09	213.41			1877
REL						
1&2		12.64	101.22	530	522	500
		12.64	101.22			500
Cent Sect						
Share						3490
						3490
MS PG CL	Thermal	78.12	595.43			3400
	Thml+Gas	93.73	719.65			4040
	Hydro	6.14	53.61			1116
	Total	99.87	773.26			5156
State Total		185.77	1461.95			12273

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 08/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	3252	104	661	4017	1284	1087	216	3026	2773	-331	-295	9101	0	9101	1745	10846	49.83
2	3318	109	656	4083	1288	970	210	2890	1977	-206	-165	8363	0	8363	1582	9945	49.90
3	3300	104	648	4052	1276	1012	213	2837	2015	-147	-100	8468	0	8468	1503	9971	49.82
4	3299	104	648	4051	987	988	217	2765	2206	-77	-30	8419	0	8419	1452	9871	49.84
5	3382	109	644	4135	976	923	205	2765	2529	-77	-33	8735	0	8735	1470	10205	49.78
6	3310	104	654	4068	978	911	208	2765	2803	-77	-37	8931	290	9221	1508	10729	49.80
7	3452	99	651	4202	977	748	188	2903	3027	-236	-201	8941	550	9491	1579	11070	49.86
8	3451	109	654	4214	976	827	178	2903	3099	-236	-200	9094	1052	10146	1599	11745	49.83
9	3432	143	651	4226	974	867	204	2930	3093	-263	-226	9138	1374	10512	1710	12222	49.82
10	3318	211	650	4179	971	891	211	3049	3328	-394	-360	9220	1703	10923	1802	12725	49.78
11	3288	240	649	4177	972	1001	210	3191	3053	-394	-350	9063	1839	10902	1934	12836	49.90
12	3281	206	647	4134	968	1141	215	3123	2893	-394	-352	8999	1528	10527	1941	12468	49.86
13	3310	128	650	4088	967	940	203	3074	3190	-394	-352	9036	1513	10549	1953	12502	49.91
14	3249	102	652	4003	966	1050	199	3074	3166	-394	-351	9033	1413	10446	1923	12369	49.94
15	3409	97	645	4151	967	942	203	3136	2998	-390	-357	8904	1508	10412	1840	12252	50.01
16	3336	107	647	4090	966	871	214	3136	3097	-387	-355	8883	1746	10629	1820	12449	49.92
17	3282	97	649	4028	971	911	198	3136	3408	-384	-355	9161	1751	10912	1809	12721	50.09
18	3113	134	649	3896	970	835	218	3136	3479	-384	-371	9027	1763	10790	1784	12574	49.97
19	3127	235	648	4010	972	628	227	3181	3711	-374	-337	9211	1933	11144	1826	12970	49.85
20	3038	538	656	4232	972	667	225	3445	3926	-463	-441	9581	2447	12028	1964	13992	49.74
21	3126	708	657	4491	974	548	229	3494	4197	-510	-471	9968	2022	11990	2077	14067	49.79
22	3003	938	652	4593	972	641	224	3449	3910	-489	-458	9882	1752	11634	2030	13664	49.63
23	3104	879	651	4634	973	717	200	3360	3492	-489	-446	9595	1431	11026	1985	13011	49.61
24	2936	533	647	4116	973	714	187	3218	3306	-418	-385	8935	1328	10263	1924	12187	49.64
MUs	78.12	6.14	15.62	99.87	24.27	20.83	5.00	73.99	74.68	-7.91	-7.03	217.69	28.94	246.63	42.76	289.39	49.84

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 08/Aug/2010

Position as on 6.30 Hrs of 09/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
Chandrapur Unit 3	210	26/05/2010	23.59		Continued.	Water Balancing Problem.	10/08/2010
Cent_Sect Kawas ST2C	116	01/07/2010	00.08		Continued.	Annual Overhaul.	09/08/2010
Parli Unit 4	210	05/07/2010	09.27		Continued.	Capital Overhaul	10/08/2010
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
Bhusawal Unit 3	210	31/07/2010	05.26		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 2	30	18/06/2010	06:26		Continued.	For Scrapping.	
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	15/08/2010
Dabhol 2B	230	12/07/2010	01.55		Continued.	Tripped due to Electrical Fault	15/08/2010
Dabhol 2X	290	12/07/2010	01.55		Continued.	Tripped due to Electrical Fault	15/08/2010
Koradi Unit 4	115	05/08/2010	10.02		Continued.	Condensor tube leakage.	08/08/2010
Koradi Unit 6	210	07/08/2010	08.15		Continued.	W/DN for fire near wind box.	
Paras Unit 3	250	07/08/2010	08.32	08/08/2010	03.38	Bunkering problem.	
Dabhol 1A	230	08/08/2010	03.01	09/08/2010	00.01	Tripped.	
Paras Unit 4	250	08/08/2010	10.43		Continued.	Bunkering Problem	09/08/2010
Khaparkheda Unit 4	210	08/08/2010	17.26		Continued.	Generator problem	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 08/Aug/2010

Position as on 6.30 Hrs of 09/Aug/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Varsova - Aarey - I	08/08/2010	07.24	08/08/2010	20.20	Double Isolator scheme work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Wardha - Akola - II	11/07/2010	13.07		Continued.	Over Voltage
Dhule - S'Sarovar - II	06/08/2010	01.53		Continued.	H/T for O/V
Akola - Aurangabad - I	06/08/2010	10.56		Continued.	Changeover
Kolhapur - Mapusa - II	07/08/2010	23.38		Continued.	H/T for O/V.
Dhule-Sar'Sarovar - I	08/08/2010	00.14	08/08/2010	19.01	H/T for O/V
Dhule-Khandwa-I	08/08/2010	01.37	08/08/2010	09.16	H/T for O/V.
Dhule-Sar'Sarovar - I	09/08/2010	00.01		Continued.	Over Voltage
Dhule-Khandwa-II	09/08/2010	01.22		Continued.	Over Voltage
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
Chandrapur - Padgha Pole -I	05/08/2010	08.23		Continued.	Annual maintenance work.
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)
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT - I @ Ranjangaon	18/05/2010	13.48		Continued.	Transformer Augmentation work. Kept on humming on 03.08.2010 at 17.54 hrs.
220/132KV 100 MVA ICT-I @ Parly-II	29/07/2010	10.11		Continued.	LV BKR Replacement Work.
220/100KV 125MVA ICT-IV @ Kalwa	02/08/2010	10.10		Continued.	Replacement of 125 MVA ICT by 200 MVA New ICT.
220/7 KV 20 MVA Station T/F @ Koradi	05/08/2010	10.30	08/08/2010	15.16	Q.M.Work.
TBC At 220 KV Parli-I	06/08/2010	14.30		Continued.	Isolator replacement work.
Main Bus-II at Aarey	08/08/2010	07.24	08/08/2010	18.14	Double Isolator scheme work
Kandalgaon - Pophali	08/08/2010	10.28	08/08/2010	18.15	Tree cutting work
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Borivali-TATA-I	08/08/2010	09.16	08/08/2010	13.30	Attending Hot Spot
Borivali-Tata-II	08/08/2010	14.15	08/08/2010	17.37	To attend Hot Spot
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220/132 KV 200 MVA ICT-III @ Phursungi	08/08/2010	11.02	08/08/2010	14.25	Rectification work of LV Bushing Jumper of Y phase
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.
New Koyna - Karad - I	23/07/2010	23.47		Continued.	Over Voltage
Bhusawal- Aurangabad	31/07/2010	22.27		Continued.	Over Voltage.
New Koyna - Koyna Stage IV - II	01/08/2010	16.38		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Chandrapur -	24/07/2010	19.54		Continued.	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 08/Aug/2010

Position as on 6.30 Hrs of 09/Aug/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Khaparkheda					
Karad - Kolhapur - I	27/07/2010	18.42		Continued.	Over Voltage.
Jejuri-Koyna STG-IV	04/08/2010	23.29	08/08/2010	11.35	Over Voltage,B Ph Breaker Pole Burst@ Jejuri.29 B Isolator Damage.
Lonikand-Karad	07/08/2010	03.54		Continued.	Bus Fault.
Koradi - Kaparkheda	08/08/2010	00.03	08/08/2010	09.15	Trip O/V.
Akola-Koradi	08/08/2010	01.22	08/08/2010	08.28	Trip O/V.
Bableshwar-Aurangabad	08/08/2010	01.30	08/08/2010	06.31	Trip O/V.
Karad - Kolhapur - II	09/08/2010	00.24		Continued.	Over Voltage
Koradi - Kaparkheda	09/08/2010	02.44		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.
Karad - Nigade	08/08/2010	11.33	08/08/2010	21.24	Distance protection
220 KV Main Bus- I @ Butibori	08/08/2010	13.50	08/08/2010	15.55	Bus Fault
220 KV Bus Coupler at Butibori	08/08/2010	13.50	08/08/2010	15.30	Bus Bar Protection Operated
Butibori-Indorama	08/08/2010	13.50	08/08/2010	15.55	Bus Fault
220/132KV 100MVA ICT at Butibori	08/08/2010	13.50	08/08/2010	17.10	Bus Fault
220/33KV 50MVA ICT-I at Butibori	08/08/2010	13.50	08/08/2010	16.35	Bus Fault
Butibori-koradi	08/08/2010	13.50	08/08/2010	15.55	Bus Fault
Khaparkheda-Kawlewada-I	09/08/2010	00.52	09/08/2010	01.26	Distance protection
Voltage Level : 132KV			Outage Type TRIPPED		
Parbhani - Pathri	08/08/2010	19.32	08/08/2010	19.41	Distance Protection
Hinganghat-RLY TSS-II	09/08/2010	02.44		Continued.	C.B.Lockout

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 09/Aug/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	45
Unit 2	105	65
Unit 3	105	60
Unit 4	105	0
Unit 5	200	120
Unit 6	210	0
Unit 7	210	130
	1040	420
Bhusawal		
Unit 1	58	40
Unit 2	210	130
Unit 3	210	0
	478	170
Parli		
Unit 1	30	0
Unit 2	30	0
Unit 3	210	130
Unit 4	210	0
Unit 5	210	110
Unit 6	250	150
Unit 7	250	
	1190	390
Chandrapur		
Unit 1	210	160
Unit 2	210	140
Unit 3	210	0
Unit 4	210	120
Unit 5	500	200
Unit 6	500	250
Unit 7	500	250
	2340	1120
Paras		
Unit 2	55	0
Unit 3	250	140
Unit 4	250	
	555	140
Khaparkheda		
Unit 1	210	190
Unit 2	210	165
Unit 3	210	160
Unit 4	210	0
	840	515
Nasik		
Unit 1	120	61
Unit 2	120	41
Unit 3	210	142
Unit 4	210	142
Unit 5	210	142
	870	528
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	8
BHIRA T.R.	80	80
RNGR+BHTSA	20	3
BHANDARDRA	45	36
ELDARY	23	0
SMLHY PTN	12	9
GHATGHAR	250	0
	611	196
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	1240
	960	1240
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	3597
	3143	3597