



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

State Load Dispatch Center, Airoli

Daily system Report

for

10/Aug/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 10/Aug/2012 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	95.064	808.581	1) Gujrat	11.489	58.578
2) Hydro	7.083	94.445	2) Madhya Pradesh	14.930	157.660
3) Gas	7.594	97.401	3) Chattisgarh	9.900	113.400
Total MSGENCO	109.741	1000.427	4) Maharashtra	50.017	509.307
B) OTHERS			5) Goa	-5.208	-55.155
1) JSW JAIGAD	19.547	243.471	6) TAPS 1&2 Injection	4.158	40.453
2) WPCL	4.992	61.106	7) RGPPL Injection	12.715	170.471
3) Other CPP / IPP	5.126	56.015	8) Pench (Excess)	-0.160	-0.364
4) Wind Generation	25.109	296.439	# Total Cent. Sector	97.841	994.350
5) PENCH (MS)	0.160	0.364	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-9.960	-130.443
1) TPCL Thermal	26.794	267.119	G) Bilateral Power *		
2) TPCL Hydro	3.533	25.598	1) MSEDCL Bilateral	21.587	254.961
TOTAL TPCL	30.327	292.717	Include PX	0.000	-2.293
3) REL Thermal	12.605	122.914	2) MUMBAI Bilateral	11.978	116.527
D) STATE			Include PX	1.417	10.226
1) Thermal (A1+C1+C3)	134.463	1198.614	3) MUMBAI Schedule	11.978	116.527
2) Hydro (A2+B5+C2)	10.776	120.407	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.594	97.401	1) MSEDCL	252.556	2521.729
4) Wind (B4)	25.109	296.439	2) TPCL	35.935	367.583
5) CPP (B1+B2+B3)	29.665	360.592	3) REL	16.957	178.467
TOTAL STATE	207.607	2073.453	TOTAL STATE	305.448	3067.779

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	3926	3931	3998
MSGENCO Hydro	677	797	87
MSGENCO Gas	318	314	318
MSGENCO Total Generation	4921	5042	4403
Central Sector Receipt	4101	4498	3693
WIND	1071	872	1353
CPP / IPP	1195	1318	1192
Exchange with Mumbai	-562	-473	-287
MSEDCL DEMAND MET	10726	11304	10354
Load Shedding	621	339	206
MSEDCL DEMAND	11347	11643	10560
TPCL GENERATION	1615	1319	877
R-INFRA GENERATION	525	524	526
TPCL+R-INFRA DEMAND	2702	2316	1690
STATE DEMAND MET	13428	13620	12044
STATE DEMAND	14049	13959	12250
Frequency (Hz)	49.94	49.90	49.90

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.4 Hz at 06.07 Hrs	49.32 Hz at 19.30 Hrs	49.94	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 10/Aug/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.46	23.34	116	88	100
Unit 6	0.00	0.00	0	0	0
Unit 7	3.24	29.59	160	110	165
Total	5.70	52.93			265
Bhusawal					
Unit 2	3.04	26.10	150	0	150
Unit 3	0.00	0.87	0	0	0
Unit 4	3.03	22.27	177	0	
Unit 5	0.00	0.00	0	0	
Total	6.07	49.24			150
Parli					
Unit 3	2.62	16.89	140	77	95
Unit 4	3.38	28.38	169	100	130
Unit 5	2.63	28.86	123	97	100
Unit 6	4.00	34.74	197	107	185
Unit 7	0.00	0.00	0	0	0
Total	12.63	108.87			510
Chandrapur					
Unit 1	3.45	19.57	153	135	150
Unit 2	3.51	25.81	158	118	160
Unit 3	2.77	26.95	170	0	150
Unit 4	4.06	30.52	186	129	185
Unit 5	7.30	76.75	400	210	250
Unit 6	0.00	0.00	0	0	0
Unit 7	7.84	75.56	415	227	275
Total	28.94	255.16			1170
Paras					
Unit 3	4.45	36.37	204	172	185
Unit 4	4.84	39.22	214	189	215
Total	9.29	75.59			400
Khaparkheda					
Unit 1	4.22	24.16	195	155	170
Unit 2	4.01	33.06	208	135	170
Unit 3	4.00	35.76	205	140	200
Unit 4	3.80	28.00	169	145	170
Unit 5	7.28	57.24	367	256	250
Total	23.31	178.23			960
Nasik					
Unit 3	4.91	46.88	215	170	192
Unit 4	4.22	41.69	192	157	162
Unit 5	0.00	0.00	0	0	0
Total	9.13	88.57			354
Uran					
All Units	7.59	97.40	319	313	280
Total	7.59	97.40			280
PENCH (MS)					
Pench (MS)	0.16	0.36	47	0	
Total	0.16	0.36			
Koyna					
Stage 1-2	3.08	27.94	410	45	530
Stage 4	0.66	23.93	235	0	250
Stage 3	1.69	19.79	160	0	240
Kovna 12&4 Total	3.75	51.86			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	5.44	71.65			1020
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	1.07	0	0	0
TILLARI	0.08	4.39	62	0	60
BHTGR/VEER	0.14	0.54	6	5	5
BHIRA T.R.	0.50	4.02	81	0	80
RNGR+BHTSA	0.09	0.86	4	3	4
BHANDARDRA	0.09	3.03	30	0	8
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.75	4.28	38	29	12
GHATGHAR	0.00	4.60	0	0	
Total	1.65	22.79			169
Wind					
MalharPeth	1.41	14.80			
Vankuswadi	2.15	19.28			
ATIT	0.28	4.75			
Kale	0.69	8.66			
Satara	0.74	31.56			
Shirala	0.78	9.30			
K Mahankal	4.66	19.79			
Supa	0.32	4.69			
Vita	3.04	38.57			
Dondaicha	7.15	94.08			
Sakri	1.05	13.29			
Nandurbar	0.61	9.52			
Khandke	1.03	14.25			
Khaparale	1.18	13.89			
Total	25.11	296.44			
CPP					
JSW JAIGAD	19.55	243.47	908	778	725
WARDHA	4.99	61.11	214	201	290
Other CPPs	5.13	56.02			
Total	29.66	360.59			1015
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.96	101.64	500	284	500
Trombay 6	6.64	65.06	502	155	500
Trombay 7A	2.99	29.40	126	123	120
Trombay 7B	1.63	16.18	68	67	60
Trombay 8	5.58	54.84	250	199	250
TATA Hydro	3.53	25.60	384	0	447
Total	30.33	292.72			1877
REL					
1&2	12.60	122.91	526	524	500
Total	12.60	122.91			500
Cent Sect					
Share					4215
Total					4215

MS PG CL	Thermal	95.06	808.58			3809
	Thml+Gas	102.66	905.98			4089
	Hydro	7.08	94.44			1189
	Total	109.74	1000.43			5278
State Total		207.61	2073.45			12885

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 10/Aug/2012

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	LOAD SHEDDI NG	MSEDCL DEMAND WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	3936	231	319	4486	1202	1191	3553	3938	-464	-411	10406	166	10572	1997	12569	49.95
2	3948	102	318	4368	1151	1179	3750	3924	-372	-326	10296	187	10483	1839	12322	49.93
3	3933	87	319	4339	1399	1194	3714	3806	-338	-291	10447	198	10645	1746	12391	49.99
4	3998	87	318	4403	1353	1192	3711	3693	-339	-287	10354	206	10560	1690	12250	49.90
5	3851	97	319	4267	1385	1194	3711	3871	-338	-280	10437	226	10663	1707	12370	49.95
6	3952	132	316	4400	1211	1192	3707	4175	-344	-311	10667	301	10968	1763	12731	49.92
7	4086	289	315	4690	1450	1203	3768	4018	-375	-299	11062	668	11730	1800	13530	50.03
8	3947	246	319	4512	847	1203	3842	4075	-432	-420	10217	797	11014	1943	12957	50.09
9	3962	324	318	4604	1173	1202	3913	3868	-464	-551	10296	906	11202	2205	13407	50.06
10	3972	489	317	4778	1079	1194	4075	4257	-521	-624	10684	720	11404	2508	13912	50.01
11	3935	518	315	4768	1089	1192	4137	4202	-562	-623	10628	636	11264	2669	13933	49.91
12	3926	677	318	4921	1071	1195	4171	4101	-561	-562	10726	621	11347	2702	14049	49.94
13	3908	467	316	4691	947	1196	4113	4078	-550	-488	10424	619	11043	2681	13724	49.85
14	3932	303	318	4553	1089	1203	4076	3982	-531	-381	10446	526	10972	2554	13526	50.06
15	4021	124	317	4462	1013	1326	4016	3839	-544	-362	10278	426	10704	2501	13205	49.99
16	4135	84	315	4534	1026	1323	3963	3560	-544	-261	10182	290	10472	2442	12914	50.01
17	4097	84	315	4496	949	1242	3891	3872	-544	-307	10252	114	10366	2379	12745	49.94
18	4021	84	314	4419	886	1244	4032	3895	-544	-448	9996	102	10098	2297	12395	49.94
19	3934	252	317	4503	800	1240	4186	4188	-465	-532	10199	133	10332	2249	12581	49.80
20	3876	665	317	4858	896	1307	4187	4367	-545	-366	11082	352	11434	2351	13785	49.71
21	3931	797	314	5042	872	1318	4304	4498	-614	-473	11304	339	11643	2316	13959	49.90
22	4030	268	314	4612	751	1302	4345	4464	-649	-426	10743	321	11064	2255	13319	49.90
23	3925	251	313	4489	770	1316	4373	4737	-690	-464	10881	172	11053	2187	13240	49.83
24	3812	425	313	4550	700	1317	4093	4431	-650	-467	10551	120	10671	2111	12782	49.89
MUs	95.07	7.08	7.59	109.74	25.11	29.66	95.63	97.84	-11.98	-9.96	252.56	9.15	261.70	52.89	314.60	49.94

NOTE : ALL VALUES IN MW

Mumbai Sch./Net Exch is shown with reference to MSETCL System. (+) indicates Mum. to MSETCL and (-) indicates MSETCL to Mum. Mumbai Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL loss # Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 10/Aug/2012

Position as on 6.30 Hrs of 11/Aug/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Hydro GhatgharU1	125	05/07/2012	15:30		Continued.	Annual Overhaul	04/09/2012
Nasik Unit 5	210	12/07/2012	00.35		Continued.	Capital Overhaul	15/08/2012
Parli Unit 7	250	16/07/2012	18.15		Continued.	Annual Overhaul(Earlier W/D for Water Crisis and Coal Shortage.Converted to AOH on 21/7/2012)	11/08/2012
Cent_Sect Tarapur 1	80	16/07/2012	22.15		Continued.	Refueling work.	21/08/2012
Cent_Sect NTPC(V) 9	500	20/07/2012	00.04		Continued.	Annual Overhaul.	15/08/2012
Chandrapur Unit 6	500	22/07/2012	00.49		Continued.	Annual Overhaul.	17/08/2012
Bhusawal Unit 3	210	01/08/2012	07.15		Continued.	Capital Overhaul	05/09/2012
FORCED OUTAGE							
Bhusawal Unit 5	500	30/03/2012	04.34		Continued.	Hand Tripped	
Koyna Unit 11	80	18/06/2012	08.00		Continued.	Stator E/F.	02/09/2012
Dabhol 2B	230	14/07/2012	23.01		Continued.	Gas Shortage	
Koradi Unit 6	210	23/07/2012	10:51		Continued.	P. A. Fan problem.	
Dabhol 1B	230	23/07/2012	15.57		Continued.	Combustion Inspection	
Koyna Unit 6	75	31/07/2012	10:05		Continued.	Bearing replacement work.	11/08/2012
Cent_Sect TARAPUR-4	540	01/08/2012	18.16	10/08/2012	07.17	Turbine oil leakage.	
Uran Unit 6	108	01/08/2012	19.29		Continued.	Gas Shortage	
CPP WPCL U-1	135	03/08/2012	08.21		Continued.	Electric Fault.	
Cent_Sect Sipat U-2	660	05/08/2012	10.25		Continued.	Boiler Tube Leakage	
Uran Unit 8	108	07/08/2012	11.57		Continued.	Gas shortage.	
Dabhol 3B	230	08/08/2012	11:40		Continued.	Gas Shortage.	
CPP WPCL U-4	135	09/08/2012	05.07		Continued.	P.A.Fan Problem	
Cent_Sect NTPC(V-5)	210	09/08/2012	19.47		Continued.	Boiler Tube Leakage.	
CPP JSW (J) U3	300	10/08/2012	00.00		Continued.	Annual Overhaul.	22/08/2012
Dabhol 1X	290	10/08/2012	17.31		Continued.	Gas Shortage.	
Dabhol 1A	230	10/08/2012	17.33		Continued.	Gas Shortage.	
Chandrapur Unit 3	210	10/08/2012	19.33		Continued.	I D Fan Problem.	
Bhusawal Unit 2	210	10/08/2012	21.37	10/08/2012	23.51	I D Fan Problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 10/Aug/2012

Position as on 6.30 Hrs of 11/Aug/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Parli-Parli (PGCIL) I	02/08/2012	12.16		Continued.	Opening of Jumpers of Main Bus-I Between Lonikand -II & PGCIL - I.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Solapur (PG) II	04/07/2012	09.47		Continued.	PGCIL Work
Parli-Parli (PGCIL)-II	19/07/2012	08:08		Continued.	Over Voltage.
Seoni-Wardha-II 765KV.	23/07/2012	11.47		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	25/07/2012	21.58		Continued.	Over Voltage
Kolhapur - Mapusa - I	02/08/2012	16.56		Continued.	Over Voltage.
Akola - Wardha - I	06/08/2012	01.04		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	10/08/2012	23.38		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV Spare ICT @ Babaleshwar	05/07/2012	10.38		Continued.	Maintenance work.
400/220 KV 500 MVA ICT-I @ Deepnagar	24/07/2012	09.30		Continued.	Modification in Control and Relay Panels and SCADA trials
400/220 KV,500MVA ICT - III at Parly	02/08/2012	11.25		Continued.	Opening of Jumpers of M B-I, Bet. Lonikand-II & PGCIL-I & Parli.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT II at Girvali	14/04/2012	12:05		Continued.	Augumentation by 200 MVA ICT.
Main Bus -I at BBLSR	19/07/2012	14.12		Continued.	Conductor replacement work Upto 9.8.12
Lamboti-Bale-I	08/08/2012	06.25	10/08/2012	17.47	Conductor replacement work
220/132KV 200MVA ICT-I @ Raymond	08/08/2012	15.20		Continued.	Low Oil level checking(Charged from LV side at 16.41Hrs)
Padgha-Jambhul-I	10/08/2012	08.57	10/08/2012	14.35	Hot Spot Attending Work.
Apta - Taloja	10/08/2012	09.24	10/08/2012	10.41	To Connect Jumper from C T to Line Isolator.
Main Bus- I @ 400 KV Kalwa	10/08/2012	09.34		Continued.	Replacement of 29A Isolator & 2 No's of CT's of Bus Coupler Under LES Outage upto 11.8.12.
220/132KV 200 MVA ICT-III @ Padegaon	10/08/2012	10.00	10/08/2012	17.10	Yerly Maint.Work & Attending Hot Spot on L V Line Isolator.
Wardha Power - Warora - II	10/08/2012	10.30	10/08/2012	22.15	C T,P T Replacement
Tifil-Trombay	10/08/2012	11.01	10/08/2012	20.45	Commissioning of TBC.
Kandalgaon - Dasturi	10/08/2012	11.07	10/08/2012	13.20	Hot Spot Attending Work.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Creek side Bus at Kalwa	10/08/2012	06.54	10/08/2012	14.57	Replacement of 100KV Main Bus Isolator.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Aurangabad-Deepnagar-II	03/07/2012	15.29	10/08/2012	13.59	Over Voltage
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz protection operated.
Bhusawal- Aurangabad	22/07/2012	16.09		Continued.	Over Voltage.
Karad-Kolhapur-II	10/08/2012	00.04		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 10/Aug/2012

Position as on 6.30 Hrs of 11/Aug/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Padgha - Temghar - II	09/07/2012	16.33		Continued.	For Padgha ICT loading.
Magarpatta - Sirum	21/07/2012	19.18		Continued.	To free TBC of Magarpatta.
Chakan - Bhosari	09/08/2012	08.49		Continued.	To Control Chakan ICT Loading.
Bhosari-C'enka	11/08/2012	06.35		Continued.	Heavy Sparking in Line Isolator.
Voltage Level : 500KV			Outage Type TRIPPED		
HVDC Pole II Padgha	10/08/2012	05.30		Continued.	Smoothing Oil Pressure Trip.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV 315 MVA ICT-II @ Dhule	04/08/2012	17.21		Continued.	B Ph. H V Side ICT-II Bushing Burst.
New Koyna - Dabhol - II	10/08/2012	04.27	10/08/2012	09.30	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 100 MVA ICT @ Gadchiroli	18/06/2012	15.31		Continued.	Differential Protection operated
220/132 KV 100 MVA ICT - II @ Tulzapur	09/08/2012	17.24	10/08/2012	01.31	Master Trip Indication, ICT Was on NO Load.
Voltage Level : 132KV			Outage Type TRIPPED		
Bhusawal - Muktainagar	09/08/2012	20.39	10/08/2012	01.28	Distance Protection Operated Z-II Sotf Received Breakdown Declared.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 11/Aug/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	110
Unit 6	210	0
Unit 7	210	140
	620	250
Bhusawal		
Unit 2	210	150
Unit 3	210	0
Unit 4	500	
Unit 5	500	
	1420	150
Parli		
Unit 3	210	115
Unit 4	210	85
Unit 5	210	110
Unit 6	250	160
Unit 7	250	0
	1130	470
Chandrapur		
Unit 1	210	100
Unit 2	210	100
Unit 3	210	0
Unit 4	210	120
Unit 5	500	300
Unit 6	500	0
Unit 7	500	350
	2340	970
Paras		
Unit 3	250	200
Unit 4	250	200
	500	400
Khaparkheda		
Unit 1	210	175
Unit 2	210	175
Unit 3	210	200
Unit 4	210	160
Unit 5	500	315
	1340	1025
Nasik		
Unit 3	210	210
Unit 4	210	190
Unit 5	210	0
	630	400
Uran		
All Units	852	310
	852	310
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	240
	1920	1020
Hydro		
KDPH	40	0
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	62
BHTGR/VEER	21	6
BHIRA T.R.	80	80
RNGR+BHTSA	20	4
BHANDARDRA	45	30
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	
	611	190
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		
JSW JAIGAD	600	827
WARDHA	405	210
Other CPPs	0	
	1005	1037
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	3455	4519
	3455	4519