



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

State Load Dispatch Center, Airoli

Daily system Report

for

13/Aug/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 13/Aug/2012 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	71.795	1051.071	1) Gujrat	9.787	89.069
2) Hydro	6.946	111.085	2) Madhya Pradesh	17.996	209.016
3) Gas	11.101	128.677	3) Chattisgarh	10.630	142.470
Total MSGENCO	89.842	1290.833	4) Maharashtra	55.847	673.914
B) OTHERS			5) Goa	-5.116	-70.569
1) JSW JAIGAD	20.421	305.226	6) TAPS 1&2 Injection	3.961	52.424
2) WPCL	7.431	80.152	7) RGPPL Injection	17.851	220.360
3) Other CPP / IPP	5.150	71.439	8) Pench (Excess)	-0.029	-0.478
4) Wind Generation	31.281	380.659	# Total Cent. Sector	110.927	1316.206
5) PENCH (MS)	0.029	0.478	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-11.613	-160.978
1) TPCL Thermal	27.163	343.228	G) Bilateral Power *		
2) TPCL Hydro	4.815	36.355	1) MSEDCL Bilateral	22.703	317.818
TOTAL TPCL	31.978	379.583	Include PX	0.087	-2.206
3) REL Thermal	12.408	160.552	2) MUMBAI Bilateral	13.503	151.194
D) STATE			Include PX	1.500	12.240
1) Thermal (A1+C1+C3)	111.366	1554.851	3) MUMBAI Schedule	13.503	151.194
2) Hydro (A2+B5+C2)	11.790	147.918	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.101	128.677	1) MSEDCL	253.468	3284.015
4) Wind (B4)	31.281	380.659	2) TPCL	37.767	471.960
5) CPP (B1+B2+B3)	33.002	456.817	3) REL	18.232	229.125
TOTAL STATE	198.540	2668.922	TOTAL STATE	309.467	3985.100

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	2953	3082	3055
MSGENCO Hydro	449	958	112
MSGENCO Gas	461	469	474
MSGENCO Total Generation	3863	4509	3641
Central Sector Receipt	4842	4940	3959
WIND	1501	1229	1334
CPP / IPP	1422	1435	1293
Exchange with Mumbai	-547	-579	-356
MSEDCL DEMAND MET	11081	11534	9871
Load Shedding	653	442	60
MSEDCL DEMAND	11734	11976	9931
TPCL GENERATION	1809	1514	823
R-INFRA GENERATION	526	527	400
TPCL+R-INFRA DEMAND	2882	2620	1579
STATE DEMAND MET	13963	14154	11450
STATE DEMAND	14616	14596	11510
Frequency (Hz)	49.80	49.73	49.96

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.44 Hz at 08.04 Hrs	49.42 Hz at 19.13 Hrs	49.95	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 13/Aug/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.12	30.50	113	70	100
Unit 6	0.00	0.00	0	0	0
Unit 7	2.64	38.89	135	95	110
Total	4.77	69.39			210
Bhusawal					
Unit 2	0.28	33.13	150	0	0
Unit 3	0.00	0.87	0	0	0
Unit 4	3.75	31.21	190	30	
Unit 5	0.00	0.00	0	0	
Total	4.03	65.21			0
Parli					
Unit 3	3.12	25.55	146	115	100
Unit 4	3.37	37.68	158	123	115
Unit 5	0.00	33.74	0	0	0
Unit 6	2.46	43.51	111	90	80
Unit 7	0.00	0.00	0	0	0
Total	8.96	140.48			295
Chandrapur					
Unit 1	2.75	26.75	134	91	110
Unit 2	2.57	33.04	126	86	110
Unit 3	0.00	26.95	0	0	0
Unit 4	2.82	39.03	138	90	140
Unit 5	8.44	100.48	395	305	350
Unit 6	0.00	0.00	0	0	0
Unit 7	7.12	99.97	399	0	400
Total	23.70	326.22			1110
Paras					
Unit 3	4.29	49.36	199	152	185
Unit 4	4.24	52.74	190	161	185
Total	8.54	102.10			370
Khaparkheda					
Unit 1	2.71	32.97	165	0	120
Unit 2	3.15	42.99	157	110	120
Unit 3	2.95	45.48	137	111	120
Unit 4	2.96	37.15	137	113	120
Unit 5	5.81	78.19	294	196	250
Total	17.58	236.78			730
Nasik					
Unit 3	0.00	56.36	0	0	0
Unit 4	4.22	54.54	191	148	200
Unit 5	0.00	0.00	0	0	0
Total	4.22	110.89			200
Uran					
All Units	11.10	128.68	474	367	450
Total	11.10	128.68			450
PENCH (MS)					
Pench (MS)	0.03	0.48	17	0	
Total	0.03	0.48			
Koyna					
Stage 1-2	2.14	32.70	310	40	600
Stage 4	0.62	24.55	199	0	250
Stage 3	1.38	23.63	214	0	240
Kovna 12&4 Total	2.76	57.26			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	4.14	80.88			1090
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.28	1.56	61	0	0
TILLARI	0.24	5.27	60	0	60
BHTGR/VEER	0.22	1.18	9	9	0
BHIRA T.R.	0.38	5.20	82	0	80
RNGR+BHTSA	0.10	1.14	4	4	0
BHANDARDRA	0.67	3.96	29	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.72	6.47	30	30	13
GHATGHAR	0.21	5.43	120	0	0
Total	2.81	30.20			153
Wind					
MalharPeth	1.11	18.39			
Vankuswadi	2.11	24.64			
ATIT	0.28	5.57			
Kale	0.61	10.53			
Satara	4.72	37.70			
Shirala	1.31	11.99			
K Mahankal	0.12	28.82			
Supa	0.52	5.86			
Vita	3.49	47.58			
Dondaicha	10.82	122.67			
Sakri	1.73	17.58			
Nandurbar	1.03	12.23			
Khandke	1.95	19.04			
Khaparale	1.49	18.06			
Total	31.28	380.66			
CPP					
JSW JAIGAD	20.42	305.23	905	768	825
WARDHA	7.43	80.15	315	305	310
Other CPPs	5.15	71.44			
Total	33.00	456.82			1135
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.46	131.44	504	286	500
Trombay 6	6.40	81.26	483	154	500
Trombay 7A	2.97	38.34	125	122	120
Trombay 7B	1.63	21.07	69	67	60
Trombay 8	5.71	71.13	251	190	250
TATA Hydro	4.82	36.36	387	0	447
Total	31.98	379.58			1877
REL					
1&2	12.41	160.55	528	400	500
Total	12.41	160.55			500
Cent Sect					
Share					4733
Total					4733

MS PG CL	Thermal	71.80	1051.07			2915
	Thml+Gas	82.90	1179.75			3365
	Hydro	6.95	111.08			1243
	Total	89.84	1290.83			4608
State Total		198.54	2668.92			12853

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 13/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	3093	117	473	3683	1257	1289	3890	4401	-454	-441	10189	86	10275	1874	12149	50.06
2	3089	117	472	3678	1329	1285	3807	4079	-439	-363	10008	43	10051	1714	11765	50.08
3	2984	122	473	3579	1334	1291	3807	4098	-439	-363	9939	58	9997	1632	11629	50.08
4	3055	112	474	3641	1334	1293	3807	3959	-438	-356	9871	60	9931	1579	11510	49.96
5	3102	112	473	3687	1302	1293	3831	4132	-439	-264	10150	72	10222	1600	11822	50.05
6	3054	152	474	3680	1318	1293	3903	4360	-440	-329	10322	230	10552	1698	12250	49.95
7	3061	223	473	3757	1427	1402	4388	4454	-443	-399	10641	609	11250	1831	13081	50.09
8	3064	149	471	3684	1324	1413	4425	4310	-474	-389	10342	698	11040	1984	13024	50.07
9	3058	142	471	3671	1561	1402	4422	4370	-482	-442	10562	774	11336	2262	13598	50.10
10	3016	317	461	3794	1373	1375	4472	4538	-532	-566	10514	724	11238	2609	13847	49.90
11	2999	366	464	3829	1389	1383	4586	4894	-670	-666	10829	649	11478	2841	14319	49.86
12	2953	449	461	3863	1501	1422	4730	4842	-727	-547	11081	653	11734	2882	14616	49.80
13	2962	350	469	3781	1326	1427	4644	4606	-680	-537	10603	733	11336	2874	14210	49.88
14	2878	207	461	3546	1265	1429	4586	4846	-607	-498	10588	673	11261	2782	14043	50.01
15	2626	439	458	3523	1153	1428	4693	4912	-669	-538	10478	592	11070	2817	13887	49.84
16	2670	381	460	3511	1380	1429	4690	4874	-644	-538	10656	687	11343	2816	14159	49.92
17	2665	155	461	3281	1189	1428	4610	4898	-609	-543	10253	749	11002	2791	13793	49.98
18	2781	137	461	3379	1320	1430	4675	4463	-579	-645	9947	671	10618	2713	13331	50.06
19	2942	254	459	3655	1364	1389	4926	4585	-532	-501	10492	357	10849	2629	13478	49.77
20	3082	958	469	4509	1229	1435	4906	4940	-578	-579	11534	442	11976	2620	14596	49.73
21	3205	802	367	4374	1208	1433	5002	4908	-643	-550	11385	434	11819	2544	14363	49.77
22	3188	431	471	4090	1121	1430	5044	5146	-670	-555	11249	425	11674	2469	14143	50.08
23	3184	251	460	3895	1112	1305	5093	5351	-682	-536	11127	199	11326	2297	13623	49.86
24	3084	203	465	3752	1165	1298	4759	4961	-632	-468	10708	141	10849	2141	12990	49.88
MUs	71.80	6.95	11.10	89.84	31.28	33.00	107.70	110.93	-13.50	-11.61	253.47	10.76	264.23	56.00	320.23	49.95

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 13/Aug/2012

Position as on 6.30 Hrs of 14/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)	14/08/2012
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
Koradi Unit 6	210	23/07/2012	10:51		Continued.	P. A. Fan problem. (Covered to AOH from 26-07-12)	20/08/2012
Bhusawal Unit 3	210	01/08/2012	07.15		Continued.	Capital Overhaul	05/09/2012
CPP JSW (J) U3	300	10/08/2012	00.00		Continued.	Annual Overhaul.	22/08/2012
Chandrapur Unit 3	210	10/08/2012	19.33		Continued.	I D Fan Problem.(Converted to AOH)	11/09/2012
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 1B	230	23/07/2012	15.57		Continued.	Combustion Inspection	
CPP WPCL U-1	135	03/08/2012	08.21		Continued.	Electric Fault.	
Dabhol 3B	230	08/08/2012	11:40		Continued.	Gas Shortage.	
CPP WPCL U-4	135	09/08/2012	05.07	13/08/2012	12.08	P.A.Fan Problem	
Uran Unit 5	108	09/08/2012	23.02		Continued.	Gas Shortage.	
Dabhol 1X	290	10/08/2012	17.31		Continued.	Gas Shortage.	
Dabhol 1A	230	10/08/2012	17.33		Continued.	Gas Shortage.	
Parli Unit 5	210	12/08/2012	21.13		Continued.	Governor Problem.	
Nasik Unit 3	210	12/08/2012	23.00	14/08/2012	06.00	Turbine Problem.	
Khaparkheda Unit 1	210	12/08/2012	23.39	13/08/2012	02.50	Aux.problem.	
Bhusawal Unit 2	210	13/08/2012	02.00		Continued.	BLR T/L.	
Cent_Sect NTPC(V-10)	500	13/08/2012	11.20	13/08/2012	13.53	Bucholz relay.	
Chandrapur Unit 7	500	13/08/2012	13.42	13/08/2012	17.05	Trip,MOT level low.	
Uran Unit B0	120	13/08/2012	20.10	13/08/2012	21.06	Trip,during relay testing.	
Bhusawal Unit 4	500	13/08/2012	23.15	14/08/2012	04.53	B.F.P.Problem.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 13/Aug/2012

Position as on 6.30 Hrs of 14/Aug/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d 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.
Dhule-Sar'Sarovar - I	10/08/2012	23.38		Continued.	Over Voltage.
Akola - Wardha - II	12/08/2012	05.45		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.
Lonikand - Chakan	13/08/2012	12.34	13/08/2012	14.13	Attending hot spot.
Tie Breaker at Akola	13/08/2012	17.30	13/08/2012	21.24	To attend trip ckt faulty indication.
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	13/08/2012	22.27	Conductor replacement work Upto 9.8.12
220/132KV 200MVA ICT-I @ Raymond	08/08/2012	15.20		Continued.	Low Oil level checking(Charged from LV side at 16.41Hrs)
220/132 KV 150 MVA ICT-II @ Akola.	13/08/2012	09.20	13/08/2012	15.37	Repl.of LV side WTI.
Pawas-Kharepatan	13/08/2012	10.51	13/08/2012	13.29	Hot Spot.
220KV Main Bus-I @ Kolhapur	13/08/2012	11.10	13/08/2012	16.35	Reconnecting jumpers of 220KV Mumewadi bus isolator.
Pedambe-Newkoyna	13/08/2012	11.10	13/08/2012	16.02	Wave trap repl.work.
Halkarni -Tillary	13/08/2012	11.33	13/08/2012	14.47	Q.M.Work
Mudsinghi - Mumewadi - I	13/08/2012	11.33	13/08/2012	18.21	Shifting of metering .
220/100 KV 200 MVA ICT II at Trombay	13/08/2012	12.08	13/08/2012	19.48	Commissioning of TBC.
Aurangabad-Shendra	13/08/2012	13.48	13/08/2012	15.11	To attend chattering on Y-Ph CT.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Bhugaon - Deoli CKT.	13/08/2012	07.15	13/08/2012	15.45	Reorientation for M/S MVNL generation.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
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	11/08/2012	16.34		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 13/Aug/2012

Position as on 6.30 Hrs of 14/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.
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.
Jejuri-Koyna STG-IV	13/08/2012	03.29	13/08/2012	08.14	Over Voltage.
New Koyna - Dabhol - II	13/08/2012	03.29	13/08/2012	08.58	Over Voltage.
Koradi-Akola	13/08/2012	17.40	13/08/2012	18.09	DT received at Koradi.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 100 MVA ICT @ Gadchiroli	18/06/2012	15.31		Continued.	Differential Protection operated
P'pur-Malinagar	13/08/2012	11.14	13/08/2012	11.26	Transient fault.
Voltage Level : 132KV			Outage Type TRIPPED		
Bale - Nuldurg	13/08/2012	02.29	13/08/2012	02.41	Dist.Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 14/Aug/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	85
Unit 6	210	0
Unit 7	210	130
	620	215
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	
Unit 5	500	
	1420	0
Parli		
Unit 3	210	120
Unit 4	210	120
Unit 5	210	0
Unit 6	250	100
Unit 7	250	0
	1130	340
Chandrapur		
Unit 1	210	140
Unit 2	210	120
Unit 3	210	0
Unit 4	210	140
Unit 5	500	350
Unit 6	500	0
Unit 7	500	400
	2340	1150
Paras		
Unit 3	250	180
Unit 4	250	180
	500	360
Khaparkheda		
Unit 1	210	150
Unit 2	210	145
Unit 3	210	135
Unit 4	210	135
Unit 5	500	195
	1340	760
Nasik		
Unit 3	210	190
Unit 4	210	180
Unit 5	210	0
	630	370
Uran		
All Units	852	450
	852	450
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Hydro		
KDPH	40	0
VTRNA	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	9
BHIRA T.R.	80	80
RNGR+BHTSA	20	4
BHANDARDRA	45	30
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	243
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	825
WARDHA	405	310
Other CPPs	0	
	1005	1135
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	4681
	3455	4681

	18400	7 of 7 13171
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