



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

State Load Dispatch Center, Airoli

Daily system Report

for

14/Aug/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 14/Aug/2012 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	77.597	1128.668	1) Gujrat	13.189	102.258
2) Hydro	6.847	117.932	2) Madhya Pradesh	18.368	227.384
3) Gas	11.946	140.623	3) Chattisgarh	10.420	152.890
Total MSGENCO	96.390	1387.223	4) Maharashtra	57.626	731.540
B) OTHERS			5) Goa	-5.485	-76.054
1) JSW JAIGAD	20.216	325.442	6) TAPS 1&2 Injection	3.982	56.406
2) WPCL	7.619	87.771	7) RGPPL Injection	16.278	236.638
3) Other CPP / IPP	4.959	76.398	8) Pench (Excess)	-0.050	-0.528
4) Wind Generation	28.574	409.233	# Total Cent. Sector	114.328	1430.534
5) PENCH (MS)	0.050	0.528	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-11.877	-172.855
1) TPCL Thermal	27.103	370.331	G) Bilateral Power *		
2) TPCL Hydro	5.323	41.678	1) MSEDCL Bilateral	21.026	338.844
TOTAL TPCL	32.426	412.009	Include PX	0.174	-2.032
3) REL Thermal	12.299	172.851	2) MUMBAI Bilateral	14.513	165.707
D) STATE			Include PX	2.112	14.351
1) Thermal (A1+C1+C3)	116.999	1671.850	3) MUMBAI Schedule	14.513	165.707
2) Hydro (A2+B5+C2)	12.220	160.138	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.946	140.623	1) MSEDCL	260.259	3544.274
4) Wind (B4)	28.574	409.233	2) TPCL	37.995	509.955
5) CPP (B1+B2+B3)	32.794	489.611	3) REL	18.605	247.730
TOTAL STATE	202.533	2871.455	TOTAL STATE	316.859	4301.959

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	3145	3393	2976
MSGENCO Hydro	439	606	135
MSGENCO Gas	462	570	477
MSGENCO Total Generation	4046	4569	3588
Central Sector Receipt	5213	5104	4435
WIND	1196	1030	1214
CPP / IPP	1408	1418	1301
Exchange with Mumbai	-648	-474	-456
MSEDCL DEMAND MET	11215	11649	10082
Load Shedding	666	408	162
MSEDCL DEMAND	11881	12057	10244
TPCL GENERATION	1713	1653	827
R-INFRA GENERATION	527	524	402
TPCL+R-INFRA DEMAND	2888	2651	1685
STATE DEMAND MET	14103	14300	11767
STATE DEMAND	14769	14708	11929
Frequency (Hz)	49.81	49.86	50.05

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.41 Hz at 17:06 Hrs	49.45 Hz at 19:25 Hrs	49.96	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 14/Aug/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.15	32.64	110	65	85
Unit 6	0.00	0.00	0	0	0
Unit 7	3.44	42.32	170	120	130
Total	5.58	74.97			215
Bhusawal					
Unit 2	0.00	33.13	0	0	0
Unit 3	0.00	0.87	0	0	0
Unit 4	2.72	33.94	176	0	0
Unit 5	0.00	0.00	0	0	0
Total	2.72	67.94			0
Parli					
Unit 3	2.83	28.38	129	108	120
Unit 4	3.00	40.68	166	115	120
Unit 5	0.47	34.20	140	0	0
Unit 6	3.34	46.85	184	87	100
Unit 7	0.00	0.00	0	0	0
Total	9.63	150.11			340
Chandrapur					
Unit 1	2.88	29.63	132	98	140
Unit 2	2.94	35.97	134	114	120
Unit 3	0.00	26.95	0	0	0
Unit 4	3.23	42.26	154	95	140
Unit 5	7.84	108.32	380	260	350
Unit 6	0.00	0.00	0	0	0
Unit 7	8.94	108.91	390	352	400
Total	25.83	352.06			1150
Paras					
Unit 3	3.95	53.30	190	128	180
Unit 4	3.62	56.36	190	0	180
Total	7.56	109.66			360
Khaparkheda					
Unit 1	3.72	36.69	165	145	150
Unit 2	3.41	46.40	160	95	145
Unit 3	3.74	49.22	168	134	135
Unit 4	3.41	40.56	175	111	135
Unit 5	5.64	83.84	300	203	195
Total	19.93	256.71			760
Nasik					
Unit 3	3.30	59.65	210	0	190
Unit 4	3.04	57.57	176	0	180
Unit 5	0.00	0.00	0	0	0
Total	6.33	117.22			370
Uran					
All Units	11.95	140.62	575	455	450
Total	11.95	140.62			450
PENCH (MS)					
Pench (MS)	0.05	0.53	25	0	0
Total	0.05	0.53			0
Koyna					
Stage 1-2	1.81	34.52	240	40	600
Stage 4	0.15	24.70	154	0	250
Stage 3	1.09	24.72	160	0	240
Kovna 12&4 Total	1.96	59.22			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.06	83.94			1090
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	1.56	0	0	60
TILLARI	0.11	5.38	56	0	60
BHTGR/VEER	0.22	1.40	10	9	9
BHIRA T.R.	0.42	5.62	80	0	80
RNGR+BHTSA	0.08	1.22	4	3	4
BHANDARDRA	0.86	4.82	36	36	30
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.73	7.20	31	30	0
GHATGHAR	1.35	6.78	125	0	0
Total	3.79	34.00			243
Wind					
MalharPeth	1.07	19.46			
Vankuswadi	2.11	26.75			
ATIT	0.20	5.77			
Kale	0.58	11.11			
Satara	4.97	42.67			
Shirala	0.52	12.51			
K Mahankal	0.09	28.92			
Supa	0.20	6.06			
Vita	2.89	50.46			
Dondaicha	10.38	133.05			
Sakri	1.42	18.99			
Nandurbar	0.80	13.03			
Khandke	1.75	20.79			
Khaparale	1.60	19.65			
Total	28.57	409.23			
CPP					
JSW JAIGAD	20.22	325.44	902	719	825
WARDHA	7.62	87.77	324	308	310
Other CPPs	4.96	76.40			
Total	32.79	489.61			1135
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.54	141.98	503	285	500
Trombay 6	6.22	87.48	388	155	500
Trombay 7A	2.98	41.32	125	123	120
Trombay 7B	1.64	22.70	69	67	60
Trombay 8	5.72	76.85	252	190	250
TATA Hydro	5.32	41.68	387	0	447
Total	32.43	412.01			1877
REL					
1&2	12.30	172.85	528	391	500
Total	12.30	172.85			500
Cent Sect					
Share					4681
Total					4681

MS PG CL	Thermal	77.60	1128.67			3195
	Thml+Gas	89.54	1269.29			3645
	Hydro	6.85	117.93			1333
	Total	96.39	1387.22			4978
State Total		202.53	2871.46			13171

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 14/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	3004	245	477	3726	1395	1284	4072	4593	-470	-503	10495	146	10641	1954	12595	49.99
2	3025	126	477	3628	1100	1282	4006	4553	-468	-435	10128	163	10291	1786	12077	50.10
3	2976	135	477	3588	1214	1301	4006	4435	-467	-456	10082	162	10244	1685	11929	50.05
4	2994	146	477	3617	1286	1259	4006	4468	-468	-413	10217	174	10391	1634	12025	49.91
5	2906	402	471	3779	1290	1306	4006	4236	-467	-353	10258	198	10456	1640	12096	50.03
6	3025	402	467	3894	1330	1306	4004	4559	-468	-353	10736	303	11039	1746	12785	50.02
7	3148	434	468	4050	1180	1295	4041	4747	-470	-411	10861	662	11523	1860	13383	50.03
8	3208	433	457	4098	1197	1273	4102	4475	-501	-408	10635	820	11455	2001	13456	49.93
9	3198	391	463	4052	1490	1278	4137	4395	-507	-412	10803	911	11714	2291	14005	49.90
10	3155	387	477	4019	1217	1376	4707	4752	-558	-471	10893	780	11673	2636	14309	49.89
11	3149	301	463	3913	1196	1416	4906	5160	-741	-626	11059	680	11739	2873	14612	49.97
12	3145	439	462	4046	1196	1408	4987	5213	-823	-648	11215	666	11881	2888	14769	49.81
13	3217	309	479	4005	1427	1434	4592	4819	-800	-643	11042	703	11745	2868	14613	50.00
14	3293	259	464	4016	1151	1428	4523	4558	-729	-539	10614	627	11241	2746	13987	49.95
15	3357	234	458	4049	1213	1423	4855	4675	-765	-602	10758	511	11269	2807	14076	49.89
16	3344	134	455	3933	1392	1419	4584	5093	-737	-603	11234	518	11752	2806	14558	49.91
17	3273	134	492	3899	1312	1395	4499	4662	-709	-607	10661	415	11076	2806	13882	50.08
18	3359	124	575	4058	1128	1384	4190	4539	-640	-534	10575	325	10900	2755	13655	50.20
19	3475	129	547	4151	967	1396	4326	4772	-549	-421	10865	269	11134	2640	13774	49.99
20	3393	606	570	4569	1030	1418	4714	5104	-605	-474	11649	408	12057	2651	14708	49.86
21	3410	404	570	4384	1017	1418	4776	5341	-655	-515	11670	403	12073	2604	14677	49.91
22	3516	280	573	4369	1111	1439	4832	5221	-660	-488	11675	356	12031	2466	14497	49.88
23	3535	245	565	4345	758	1425	4858	5102	-654	-504	11126	196	11322	2283	13605	49.97
24	3492	148	562	4202	977	1431	4538	4856	-605	-458	11008	139	11147	2176	13323	49.85
MUs	77.60	6.85	11.95	96.39	28.57	32.79	106.27	114.33	-14.51	-11.88	260.26	10.54	270.79	56.60	327.40	49.96

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 14/Aug/2012

Position as on 6.30 Hrs of 15/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.	
Uran Unit 5	108	09/08/2012	23.02	14/08/2012	17.15	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	14/08/2012	18.41	Governor Problem.	
Nasik Unit 3	210	12/08/2012	23.00	14/08/2012	06.00	Turbine Problem.	
Bhusawal Unit 2	210	13/08/2012	02.00		Continued.	BLR T/L.	
Bhusawal Unit 4	500	13/08/2012	23.15	14/08/2012	04.53	B.F.P.Problem.	
Nasik Unit 4	210	14/08/2012	08.58	14/08/2012	13.35	Boiler problem.	
Paras Unit 4	250	14/08/2012	15.25	14/08/2012	17.15	Flame failure.	
Dabhol 2A	230	14/08/2012	15.52		Continued.	Gas shortage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 14/Aug/2012

Position as on 6.30 Hrs of 15/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.
Dhule-Sar'Sarovar - I	10/08/2012	23.38	14/08/2012	09.59	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.
Chandrapur - Khaparkheda	14/08/2012	10.00	14/08/2012	19.12	For tie bay in service.
400/220KV,315MVA ICT-I at Karad	14/08/2012	10.32	14/08/2012	18.27	Fire detector installation work.
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.
220/132KV 200MVA ICT-I @ Raymond	08/08/2012	15.20	14/08/2012	08.38	Low Oil level checking(Charged from LV side at 16.41Hrs)
Pophali-New Koyna	14/08/2012	08.10	14/08/2012	14.50	Replacement of Y ph.wave trap.
Peth-Nigde	14/08/2012	10.08	14/08/2012	15.41	Replacement of LA and R.M.Work
Mahad-Pasco	14/08/2012	10.12	14/08/2012	18.10	Replacement of Y ph.wave trap jumper.
Amalner-Deepnagar	14/08/2012	10.30	14/08/2012	18.55	Tightning of jumpers at cut point.
220/100KV 200MVA ICT-III at Trombat	14/08/2012	11.02	14/08/2012	17.15	For testing and commissioning work of TBC.
220/66 KV 150 MVA ICT- I @ Gadchandur	14/08/2012	12.23	14/08/2012	18.36	Replacement of 3 No.LV side CT.
Pophali - Pedambe - II	14/08/2012	15.00	14/08/2012	18.00	Conductor replacement.
P'pur-Malinagar	14/08/2012	16.38	14/08/2012	17.38	PDR testing work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Pusad-Umarkhed	14/08/2012	12.28	14/08/2012	18.57	Replacement of R ph.insulator string.
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.
400/220 KV 500 MVA ICT - I @ Solapur	14/08/2012	20.56	14/08/2012	21.14	Abnormal sound from B ph.of ICT-I.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 14/Aug/2012

Position as on 6.30 Hrs of 15/Aug/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
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.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 100 MVA ICT @ Gadchiroli	18/06/2012	15.31		Continued.	Differential Protection operated
220/132KV,200MVA ICT-III At Nanded.	14/08/2012	14.04	14/08/2012	17.00	High oil temp.WTI panel collapsed.
Voltage Level : 100KV			Outage Type TRIPPED		
Kalwa-Pal	14/08/2012	15.01	14/08/2012	15.10	B phase fault.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 15/Aug/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	115
Unit 6	210	0
Unit 7	210	130
	620	245
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	0
Unit 5	500	0
	1420	0
Parli		
Unit 3	210	132
Unit 4	210	135
Unit 5	210	130
Unit 6	250	160
Unit 7	250	0
	1130	557
Chandrapur		
Unit 1	210	130
Unit 2	210	125
Unit 3	210	0
Unit 4	210	100
Unit 5	500	400
Unit 6	500	0
Unit 7	500	325
	2340	1080
Paras		
Unit 3	250	180
Unit 4	250	180
	500	360
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	160
Unit 4	210	160
Unit 5	500	250
	1340	890
Nasik		
Unit 3	210	175
Unit 4	210	177
Unit 5	210	0
	630	352
Uran		
All Units	852	540
	852	540
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	325
Other CPPs	0	
	1005	1150
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	4137
	3455	4137