



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

State Load Dispatch Center, Airoli

Daily system Report

for

10/Aug/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 10/Aug/2014 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	80.372	843.560	1) Gujrat	7.046	16.002
2) Hydro	19.401	118.441	2) Madhya Pradesh	17.812	130.012
3) Gas	6.666	87.668	3) Chattisgarh	7.760	59.850
Total MSGENCO	106.439	1049.669	4) Maharashtra Net	88.405	652.053
B) 1) JSW JAIGAD	12.352	173.655	(Incl. 765kV Solapur-Raichur)	-8.735	-82.291
2) WPCL	4.761	46.729	5) Goa	-5.184	-56.456
3) ADANI	30.668	470.908	6) TAPS 1&2 Injection	7.437	74.129
4) Other CPP / IPP	12.054	125.587	7) RGPPL Injection	0.000	0.000
5) Wind Generation	18.162	332.579	8) Pench (Excess)	-0.134	-1.599
6) PENCH (MS)	0.134	1.599			
7) SOLAR	0.958	8.371	# Total Cent. Sector	123.142	873.991
C) 1) TPCL Thermal	15.947	150.687	F) Other Exchanges		
2) TPCL Hydro	2.906	41.072	1) With TPCL (Excess)	-16.042	-229.482
TOTAL TPCL	18.853	191.759	G) Bilateral Power *		
3) REL Thermal	12.447	122.118	1) MSEDCL Bilateral	26.956	140.867
D) STATE			Include PX	6.578	-54.712
1) Thermal (A1+C1+C3)	108.766	1116.365	2) MUMBAI Bilateral	17.507	199.943
2) Hydro (A2+B6+C2)	22.441	161.112	Include PX	1.315	20.661
3) Gas (A3)	6.666	87.668	3) MUMBAI Schedule	17.507	200.242
4) Wind (B5)	18.162	332.579	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	59.835	816.879	1) MSEDCL	292.628	2853.606
6) SOLAR (B7)	0.958	8.371	2) TPCL	29.692	340.116
TOTAL STATE	216.828	2522.974	3) REL	17.650	203.252
			TOTAL STATE	339.970	3396.974

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 14 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3361	3469	3301
MSGENCO Hydro	1542	758	1060
MSGENCO Gas	272	269	289
MSGENCO Total Generation	5175	4496	4650
Central Sector Receipt	5643	5585	4393
WIND	600	712	407
CPP / IPP	2592	2601	2449
SOLAR	126	146	0
Exchange with Mumbai	-864	-794	-378
MSEDCL DEMAND MET	13272	12746	11521
Load Shedding	416	129	177
MSEDCL DEMAND	13688	12875	11698
TPCL GENERATION	758	757	750
R-INFRA GENERATION	521	523	523
TPCL+R-INFRA DEMAND	2143	2074	1651
STATE DEMAND MET	15415	14820	13172
STATE DEMAND	15831	14949	13349
Frequency (Hz)	49.97	49.99	49.96

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.21 Hz at 14:04 Hrs	49.62 Hz at 19:15 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 10/Aug/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	0.00	0	0	0
Unit 6	3.01	28.80	139	105	140
Unit 7	2.13	29.14	135	0	130
Total	5.14	57.94			270
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.46	22.38	155	135	134
Unit 4	0.00	39.45	0	0	0
Unit 5	9.36	69.58	420	370	376
Total	12.82	131.41			510
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	0.00	0.00	0	0	0
Unit 6	0.00	3.88	0	0	0
Unit 7	0.00	2.03	0	0	0
Total	0.00	5.91			0
Chandrapur					
Unit 1	2.94	29.34	130	115	130
Unit 2	2.82	30.79	128	100	140
Unit 3	2.79	32.92	144	99	130
Unit 4	3.53	36.36	176	122	160
Unit 5	7.51	51.86	340	277	400
Unit 6	5.76	79.81	260	189	220
Unit 7	8.02	53.43	367	272	400
Total	33.36	314.51			1580
Paras					
Unit 3	3.47	34.66	205	0	152
Unit 4	4.96	46.64	213	191	201
Total	8.43	81.30			353
Khaparkheda					
Unit 1	0.00	27.86	0	0	0
Unit 2	3.56	13.75	165	125	170
Unit 3	4.05	38.74	177	160	180
Unit 4	4.49	37.64	194	177	180
Unit 5	0.15	51.72	121	0	0
Total	12.26	169.71			530
Nasik					
Unit 3	0.20	0.20	85	0	0
Unit 4	4.06	40.72	185	152	200
Unit 5	4.10	41.86	186	157	190
Total	8.37	82.79			390
Uran					
All Units	6.67	87.67	290	268	280
Total	6.67	87.67			280
PENCH (MS)					
Pench (MS)	0.13	1.60	54	0	
Total	0.13	1.60			
Koyna					
Stage 1-2	6.10	31.00	470	40	600
Stage 4	7.22	24.74	760	0	250
Stage 3	3.13	20.29	308	0	320
Kovna 12&4 Total	13.32	55.74			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	16.44	76.02			1170
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.47	1.94	61	0	61
TILLARI	0.77	8.16	62	0	60
BHTGR/VEER	0.22	0.74	10	9	0
BHIRA T.R.	0.31	3.90	47	0	40
RNGR+BHTSA	0.06	0.59	3	2	0
BHANDARDRA	0.10	6.79	16	0	29
ELDARY	0.00	0.00	0	0	9
SMLHY PTN	1.03	9.92	49	40	11
GHATGHAR	0.00	10.39	0	0	0
Total	2.96	42.42			210
Wind					
MalharPeth	0.52	11.00			
Vankuswadi	0.83	18.85			
ATIT	0.12	2.83			
Kale	0.31	8.33			
Satara	9.02	162.45			
Shirala	0.46	11.46			
K Mahankal	0.06	1.09			
Supa	0.14	3.02			
Vita	2.02	34.41			
Dondaicha	2.27	40.16			
Sakri	0.59	8.85			
Nandurbar	0.51	8.13			
Khandke	0.69	11.58			
Khaparale	0.62	10.40			
Total	18.16	332.58			
CPP					
JSW JAIGAD	12.35	173.66	872	369	548
WARDHA	4.76	46.73	209	185	210
Adani	30.67	470.91	1353	1219	1296
Other CPPs	12.05	125.59			510
Total	59.84	816.88			2564
SOLAR					
Total	0.96	8.37			
Total	0.96	8.37			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.75	108.80	502	416	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.65	26.87	115	90	120
Trombay 7B	1.55	15.01	67	59	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	2.91	41.07	332	72	447
Total	18.85	191.76			1127
REL					
1&2	12.45	122.12	524	470	
Total	12.45	122.12			
Cent Sect					
Share					5579
Total					5579
MS PG CL	Thermal	80.37	843.56		3633
	Thml+Gas	87.04	931.23		3913
	Hydro	19.40	118.44		1380
	Total	106.44	1049.67		5293
State Total		216.83	2522.97		14563

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 10/Aug/2014

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	SOLAR	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDI NG	MSEDCL DEM. WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS														
1	3033	1430	279	4742	551	2541	0	4510	5003	-619	-618	12219	115	12334	1987	14321	49.84
2	3019	1331	289	4639	501	2472	0	4386	4755	-603	-506	11861	151	12012	1811	13823	49.97
3	3188	1281	290	4759	512	2486	0	4204	4513	-603	-509	11761	164	11925	1724	13649	49.99
4	3301	1060	289	4650	407	2449	0	4199	4393	-603	-378	11521	177	11698	1651	13349	49.96
5	3264	901	290	4455	475	2463	0	4203	4539	-603	-378	11554	187	11741	1652	13393	49.92
6	3247	1271	285	4803	472	2461	0	4314	4571	-644	-426	11881	356	12237	1700	13937	49.83
7	3289	805	288	4382	449	2476	4	4478	4918	-669	-462	11767	837	12604	1735	14339	49.98
8	3292	819	285	4396	379	2453	31	4603	5320	-698	-539	12040	868	12908	1811	14719	49.99
9	3312	1143	280	4735	425	2406	70	4747	5530	-737	-670	12496	727	13223	1945	15168	49.99
10	3353	1573	276	5202	517	2542	113	4967	5688	-841	-776	13286	481	13767	2061	15828	49.94
11	3361	1542	272	5175	600	2592	126	5147	5643	-901	-864	13272	416	13688	2143	15831	49.97
12	3369	1014	268	4651	646	2616	110	5408	5933	-972	-841	13115	132	13247	2144	15391	49.94
13	3378	1084	269	4731	682	2533	100	5176	5585	-910	-871	12760	195	12955	2152	15107	50.02
14	3469	758	269	4496	712	2601	146	5211	5585	-907	-794	12746	129	12875	2074	14949	49.99
15	3455	636	268	4359	975	2493	87	5268	5299	-838	-743	12470	84	12554	2021	14575	50.00
16	3525	172	268	3965	1233	2428	85	5579	5452	-710	-697	12466	83	12549	1972	14521	50.00
17	3456	152	274	3882	1264	2190	57	5211	5469	-680	-683	12179	90	12269	1957	14226	50.05
18	3429	158	276	3863	1363	2321	27	4762	4629	-676	-696	11507	83	11590	1956	13546	50.04
19	3402	213	272	3887	1223	2320	2	4722	4721	-641	-833	11320	74	11394	2017	13411	49.95
20	3488	287	270	4045	1145	2553	0	5198	5232	-736	-832	12183	74	12257	2179	14436	49.86
21	3545	242	277	4064	964	2729	0	5211	5484	-820	-786	12509	70	12579	2215	14794	49.87
22	3384	311	277	3972	930	2621	0	4884	5033	-724	-693	11893	68	11961	2205	14166	49.89
23	3370	513	277	4160	903	2564	0	4641	4935	-722	-692	11880	67	11947	2159	14106	49.82
24	3443	705	278	4426	834	2525	0	4620	4912	-648	-755	11942	60	12002	2071	14073	49.95
MUs	80.37	19.40	6.67	106.44	18.16	59.84	0.96	115.65	123.14	-17.51	-16.04	292.63	5.69	298.32	47.34	345.66	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 10/Aug/2014

Position as on 6.30 Hrs of 11/Aug/2014

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Koyna ST - IV 3	250	07/07/2014	09.00		Continued.	Annual Overhaul	23/08/2014
Nasik Unit 3	210	10/07/2014	14.10	10/08/2014	17.10	A/OH.	
FORCED OUTAGE							
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
Tata Trombay 8	250	09/01/2014	22.54		Continued.	Emergency H/T,Fire at turbine track.	
CPP WPCL U-1	135	30/01/2014	12.45		Continued.	turbine vibration	
CPP WPCL U-2	135	18/02/2014	00.02		Continued.	Ash Conveying problem	
CPP Dhariwal	300	28/05/2014	02.27		Continued.	PA Fan Vibration Problem. (U-1).	
Koradi Unit 5	200	17/06/2014	11.53		Continued.	I D Fan Bearing Temperature High.	
CPP IPL U-1	270	26/06/2014	05.46		Continued.	Coal Shortage.	
Parli Unit 4	210	29/06/2014	10.19		Continued.	Water Shortage	
Bhusawal Unit 2	210	18/07/2014	23.46		Continued.	Coal Shortage.	
CPP JSW (J) U2	300	20/07/2014	00.00		Continued.	No Buyer	
CPP VIPL U-1	300	23/07/2014	00.05		Continued.	Bunker Coal Feed Problem.	
Parli Unit 5	210	30/07/2014	00.02		Continued.	Water Shortage.	
Tata Trombay 6	500	31/07/2014	21.34		Continued.	Economic Shut down.	
Parli Unit 7	250	01/08/2014	10.10		Continued.	Water Shortage.	
Parli Unit 6	250	01/08/2014	19.08		Continued.	Water Shortage.	
Bhusawal Unit 4	500	06/08/2014	13.56		Continued.	Boiler Tube Leakage.	
Uran Unit A0	120	07/08/2014	05.45		Continued.	Main X'mer Bucholz.	
Uran Unit 6	108	07/08/2014	05.45		Continued.	Non Availability of AO.	
Khaparkheda Unit 5	500	07/08/2014	10.51	10/08/2014	22.27	Boiler Waterwall Tube Leakage.	
Uran Unit 5	108	07/08/2014	11.19		Continued.	Gas Shortage.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 10/Aug/2014

Position as on 6.30 Hrs of 11/Aug/2014

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
CPP JSW (J) U1	300	08/08/2014	11.19	10/08/2014	18.05	Turbine Lube Oil Leakage.	
Khaparkheda Unit 1	210	09/08/2014	00.42		Continued.	BTL.	
CPP Adani U-4	660	09/08/2014	01.08		Continued.	Coal Shortage.	
Koradi Unit 7	210	09/08/2014	23.03	10/08/2014	01.26	Tripped on high furnace pressure	
Paras Unit 3	250	09/08/2014	23.51	10/08/2014	02.08	Tripped on flame failure	
Koradi Unit 7	210	10/08/2014	01.31	10/08/2014	02.01	H.P.T.Exhaust Temp High	
CPP IPL U-2	270	10/08/2014	16.04		Continued.	B.T.Pump Problem	
Nasik Unit 3	210	10/08/2014	21.10		Continued.	UAT Differential	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 10/Aug/2014

Position as on 6.30 Hrs of 11/Aug/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dabhol-Nagothane-II	29/07/2014	00.05		Continued.	Over Voltage
Kolhapur - Mapusa - I	06/08/2014	17.08		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	09/08/2014	20.25		Continued.	over voltage
Dhule-Sar'Sarovar - I	10/08/2014	01.00		Continued.	over voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Karad - Solapur (PGCIL)	10/08/2014	06.04	10/08/2014	10.48	over voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 500MVA ICT-II at Warora	09/07/2014	14.35		Continued.	Attending CTR Fire System Nitrogen Leakage.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Jaigad I	28/07/2014	17.01		Continued.	Over Voltage
Karad - Kolhapur - I	09/08/2014	16.44	10/08/2014	06.48	over voltage
Lonikand-Stage4	09/08/2014	20.03	10/08/2014	6.43	over voltage
Bhusawal- Aurangabad	09/08/2014	23.02		Continued.	Over Voltage
Karad - Kolhapur - II	10/08/2014	13.10		Continued.	Over Voltage
Lonikand-Karad	10/08/2014	16.48		Continued.	Over Voltage
Lonikand- Koyna Stage IV	10/08/2014	17.24		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - I	28/04/2014	01.14		Continued.	To Control O/L of 220KV Paras-ChiKhli
Voltage Level : 400KV			Outage Type TRIPPED		
New Koyna - Dabhol - I	10/08/2014	02.24	10/08/2014	07.30	over voltage
Karad - Kolhapur - II	10/08/2014	02.24	10/08/2014	07.21	over voltage
Nagothane-Dabhol-I	10/08/2014	06.02		Continued.	over voltage
New Koyna - StageIV - I	10/08/2014	06.06	10/08/2014	06.31	over voltage
New Koyna-Jaigad II	10/08/2014	06.06	10/08/2014	06.37	over voltage
New Koyna - Dabhol - I	10/08/2014	13.01		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
Pusad - Ghatodi	12/06/2014	17.40		Continued.	At loc.no 27,28 D/C tower 220KV Nanded-Ghatodi & 220KV Pusad-Ghatodi Collapsed(Line taken in service Bypassing Ghatodi LILO at 18.58/13-6-2014)
Nanded - Ghatodi	12/06/2014	17.40		Continued.	Dist.Prot,optd.Z-I at loc.no 27,28 D/C tower 220KV Nanded-Ghatodi & 220KV Pusad-Ghatodi Collapsed(Line taken in service Bypassing Ghatodi LILO at 18.58/13-6-2014)
Aurangabad-Jalna-II	02/07/2014	14.33		Continued.	Heavy Rain @ Aurangabad S/S load Trimming Schem Operated,Ckt Charged from Chikhli End @ 15.15 Hrs DT 2.7.14.
220/100 KV,200MVA ICT - I at Padgha	18/07/2014	02.37		Continued.	Diff.Prot
Gangapur-Valve	23/07/2014	03.16		Continued.	Dist.Prot.Tower Collapse.
Padgha-Kamba	11/08/2014	04.20	11/08/2014	04.58	Tripped at Kamba end only

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 11/Aug/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	145
Unit 7	210	150
	620	295
Bhusawal		
Unit 2	210	0
Unit 3	210	143
Unit 4	500	0
Unit 5	500	405
	1420	548
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	0
Unit 6	250	0
Unit 7	250	0
	1130	0
Chandrapur		
Unit 1	210	135
Unit 2	210	150
Unit 3	210	170
Unit 4	210	210
Unit 5	500	450
Unit 6	500	400
Unit 7	500	400
	2340	1915
Paras		
Unit 3	250	170
Unit 4	250	230
	500	400
Khaparkheda		
Unit 1	210	0
Unit 2	210	170
Unit 3	210	180
Unit 4	210	180
Unit 5	500	350
	1340	880
Nasik		
Unit 3	210	0
Unit 4	210	190
Unit 5	210	190
	630	380
Uran		
All Units	852	280
	852	280
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	0
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	11
BHIRA T.R.	80	40
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	9
GHATGHAR	250	0
	611	181
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	1200	823
WARDHA	405	210
Adani	2640	1296
Other CPPs	300	250
	4545	2579
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1127
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5693
	3455	5693