



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

State Load Dispatch Center, Airoli

Daily system Report

for

08/Sep/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 08/Sep/2014 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	74.558	682.969	1) Gujrat	-6.527	-42.770
2) Hydro	19.866	124.220	2) Madhya Pradesh	8.743	113.180
3) Gas	7.043	74.630	3) Chattisgarh	5.960	55.170
Total MSGENCO	101.467	881.819	4) Maharashtra Net	73.979	642.720
B) 1) JSW JAIGAD	25.755	214.451	(Incl. 765kV Solapur-Raichur)	2.124	-24.195
2) WPCL	4.192	32.483	5) Goa	-5.605	-46.545
3) ADANI	2.480	82.483	6) TAPS 1&2 Injection	7.425	59.667
4) Other CPP / IPP	11.644	104.476	7) RGPPL Injection	0.000	0.000
5) Wind Generation	48.695	284.582	8) Pench (Excess)	-0.516	-5.657
6) PENCH (MS)	0.516	5.657	# Total Cent. Sector	83.459	775.765
7) SOLAR	0.252	4.907	F) Other Exchanges		
C) 1) TPCL Thermal	18.453	105.047	1) With TPCL (Excess)	-21.711	-193.877
2) TPCL Hydro	1.114	44.539	G) Bilateral Power *		
TOTAL TPCL	19.567	149.586	1) MSEDCL Bilateral	17.554	187.440
3) REL Thermal	11.790	98.336	Include PX	-2.821	-4.465
D) STATE			2) MUMBAI Bilateral	18.474	155.614
1) Thermal (A1+C1+C3)	104.801	886.352	Include PX	5.412	42.067
2) Hydro (A2+B6+C2)	21.496	174.416	3) MUMBAI Schedule	18.775	159.433
3) Gas (A3)	7.043	74.630	H) ENERGY CATERED (MUs)		
4) Wind (B5)	48.695	284.582	1) MSEDCL	256.749	2192.746
5) CPP/IPP (B1+B2+B3+B4)	44.071	433.893	2) TPCL	34.223	281.882
6) SOLAR (B7)	0.252	4.907	3) REL	18.843	159.917
TOTAL STATE	226.358	1858.780	TOTAL STATE	309.815	2634.545

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3260	3281	3033
MSGENCO Hydro	1201	1311	780
MSGENCO Gas	297	293	298
MSGENCO Total Generation	4758	4885	4111
Central Sector Receipt	4021	3942	2737
WIND	2202	1896	1850
CPP / IPP	1870	1664	1951
SOLAR	32	0	0
Exchange with Mumbai	-994	-1024	-540
MSEDCL DEMAND MET	11894	11401	10109
Load Shedding	53	55	53
MSEDCL DEMAND	11947	11456	10162
TPCL GENERATION	1073	757	741
R-INFRA GENERATION	523	458	456
TPCL+R-INFRA DEMAND	2590	2239	1737
STATE DEMAND MET	14484	13640	11846
STATE DEMAND	14537	13695	11899
Frequency (Hz)	49.83	49.79	49.85

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.19 Hz at 13:02 Hrs	49.55 Hz at 19:10 Hrs	49.87	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/Sep/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	3.21	24.45	147	117	136
Unit 7	3.47	23.03	160	120	154
Total	6.69	47.48			290
Bhusawal					
Unit 2	0.00	6.89	0	0	0
Unit 3	0.70	11.84	130	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	8.40	71.33	410	290	450
Total	9.10	90.06			450
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.66	24.24	160	143	160
Unit 6	4.90	32.37	226	175	200
Unit 7	4.84	27.87	222	183	210
Total	13.40	84.48			570
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	2.12	21.31	120	55	90
Unit 3	0.01	8.86	11	0	0
Unit 4	2.34	24.22	125	50	90
Unit 5	4.28	44.52	290	88	200
Unit 6	0.02	40.12	19	0	0
Unit 7	4.92	44.36	244	140	200
Total	13.69	183.38			580
Paras					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.28	35.69	200	113	250
Total	4.28	35.69			250
Khaparkheda					
Unit 1	0.00	14.26	0	0	0
Unit 2	3.38	25.91	155	125	170
Unit 3	3.93	28.01	173	159	170
Unit 4	3.59	27.63	155	142	170
Unit 5	6.35	55.97	290	240	350
Total	17.24	151.78			860
Nasik					
Unit 3	3.80	29.82	165	150	170
Unit 4	2.35	28.65	168	0	180
Unit 5	4.01	31.62	176	150	190
Total	10.16	90.10			540
Uran					
All Units	7.04	74.63	300	288	320
Total	7.04	74.63			320
PENCH (MS)					
Pench (MS)	0.52	5.66	42	0	
Total	0.52	5.66			
Koyna					
Stage 1-2	3.39	26.26	405	40	600
Stage 4	8.68	39.86	557	0	250
Stage 3	2.96	20.25	206	34	320
Kovna 12&4 Total	12.07	66.12			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	15.03	86.37			1170
Hydro					
KDPH	0.86	2.87	36	36	36
VTRNA	0.74	5.54	61	0	61
TILLARI	0.42	5.24	63	0	63
BHTGR/VEER	0.12	1.17	5	5	5
BHIRA T.R.	0.24	3.53	41	0	80
RNGR+BHTSA	0.07	0.42	3	3	2
BHANDARDRA	0.34	2.93	15	14	15
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.46	10.09	69	58	10
GHATGHAR	0.57	6.05	250	0	0
Total	4.83	37.85			272
Wind					
MalharPeth	1.19	9.08			
Vankuswadi	2.20	15.36			
ATIT	0.11	2.06			
Kale	0.81	6.10			
Satara	20.82	138.51			
Shirala	1.21	8.51			
K Mahankal	0.16	1.07			
Supa	0.46	6.74			
Vita	4.77	28.37			
Dondaicha	10.57	37.43			
Sakri	1.33	5.81			
Nandurbar	1.67	6.62			
Khandke	1.80	11.37			
Khaparale	1.59	7.55			
Total	48.70	284.58			
CPP					
JSW JAIGAD	25.76	214.45	1207	990	1100
WARDHA	4.19	32.48	179	169	175
Adani	2.48	82.48	560	0	0
Other CPPs	11.64	104.48			435
Total	44.07	433.89			1710
SOLAR					
Total	0.25	4.91			
Total	0.25	4.91			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.72	45.11	503	321	500
Trombay 6	3.74	27.61	157	154	500
Trombay 7A	2.47	20.11	115	79	120
Trombay 7B	1.52	12.21	67	55	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	1.11	44.54	237	0	447
Total	19.57	149.59			1627
REL					
1&2	11.79	98.34	526	456	500
Total	11.79	98.34			500
Cent Sect					
Share					4331
Total					4331
MS PG CL	Thermal	74.56	682.97		3540
	Thml+Gas	81.60	757.60		3860
	Hydro	19.87	124.22		1442
	Total	101.47	881.82		5302
State Total		226.36	1858.78		13470

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 08/Sep/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	2874	861	288	4023	1528	2242	0	3236	3351	-665	-750	10424	80	10504	2046	12550	49.85
2	2906	1000	290	4196	1678	2249	0	2794	2759	-545	-707	10198	53	10251	1915	12166	49.93
3	2990	855	290	4135	1651	2284	0	2728	2717	-488	-622	10167	53	10220	1821	12041	49.95
4	3033	780	298	4111	1850	1951	0	2837	2737	-458	-540	10109	53	10162	1737	11899	49.85
5	3040	817	289	4146	1939	1794	0	3021	2966	-478	-500	10345	53	10398	1717	12115	49.73
6	3130	656	297	4083	2069	1907	0	3512	3245	-479	-499	10805	53	10858	1787	12645	49.82
7	3172	1013	298	4483	2012	1897	0	3648	3759	-570	-521	11630	53	11683	1870	13553	49.86
8	3219	1186	293	4698	1973	1903	6	3912	3941	-659	-720	11801	53	11854	2033	13887	49.89
9	3218	1260	289	4767	2232	1900	18	4055	3960	-844	-839	12038	53	12091	2317	14408	49.88
10	3260	1201	297	4758	2202	1870	32	4184	4021	-987	-994	11894	53	11947	2590	14537	49.83
11	3208	832	298	4338	2114	1878	36	4382	4076	-1162	-1179	11303	53	11356	2764	14120	49.93
12	3140	1034	298	4472	2224	1805	42	4076	3699	-1210	-1207	11075	53	11128	2770	13898	49.97
13	3032	889	290	4211	2286	1634	36	4082	3848	-1167	-1342	10690	106	10796	2766	13562	49.95
14	3013	667	295	3975	2233	1618	35	3843	3490	-1064	-1185	10166	53	10219	2581	12800	49.93
15	2957	645	294	3896	2223	1635	19	3507	3379	-1019	-1050	10135	53	10188	2492	12680	49.79
16	2910	582	295	3787	2303	1631	15	3167	3132	-926	-1017	9891	53	9944	2381	12325	49.92
17	2974	598	294	3866	2239	1624	10	3154	3188	-832	-927	10033	53	10086	2238	12324	49.86
18	3076	580	300	3956	2039	1625	3	3301	3047	-749	-991	9712	53	9765	2174	11939	49.80
19	3102	835	291	4228	1834	1630	0	3679	3777	-712	-992	10517	54	10571	2172	12743	49.78
20	3281	1311	293	4885	1896	1664	0	3840	3942	-635	-1024	11401	55	11456	2239	13695	49.79
21	3335	1053	292	4680	2035	1716	0	3769	3707	-645	-1033	11138	55	11193	2201	13394	49.87
22	3358	569	294	4221	1931	1754	0	3765	3790	-739	-1054	10675	54	10729	2198	12927	49.93
23	3165	447	292	3904	2134	1912	0	3690	3507	-894	-1047	10444	53	10497	2170	12667	49.81
24	3165	195	288	3648	2070	1948	0	3434	3421	-847	-971	10158	53	10211	2089	12300	49.92
MUs	74.56	19.87	7.04	101.47	48.70	44.07	0.25	85.62	83.46	-18.78	-21.71	256.75	1.36	258.11	53.07	311.18	49.87

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 08/Sep/2014

Position as on 6.30 Hrs of 09/Sep/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	
Bhusawal Unit 4	500	06/08/2014	13.56		Continued.	converted to AOH from 7/08/14	15/09/2014
Paras Unit 3	250	11/08/2014	14.08		Continued.	Annual Overhauling	
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.	Coal Shortage	
Parli Unit 4	210	29/06/2014	10.19		Continued.	Water Shortage	
CPP IPL U-2	270	23/08/2014	23.15		Continued.	Coal Shortage.	
CPP Adani U-4	660	27/08/2014	12.41	08/09/2014	20.26	Coal Shortage.	
Chandrapur Unit 1	210	28/08/2014	07.15		Continued.	BLR T/L.	
CPP Adani U-3	660	29/08/2014	17.31		Continued.	Billing issues between Adani and MSEDCL.	
CPP Adani U-2	660	29/08/2014	22.12		Continued.	Billing issues between Adani and MSEDCL.	
Uran Unit 7	108	31/08/2014	06.45		Continued.	Gas Shortage.	
Chandrapur Unit 3	210	04/09/2014	03.13	08/09/2014	23.23	Boiler Tube Leakage	
Bhusawal Unit 3	210	04/09/2014	14.10	08/09/2014	08.55	Flame Failure.	
Uran Unit 8	108	04/09/2014	19.33		Continued.	Gas Shortage	
Khaparkheda Unit 1	210	05/09/2014	10.17		Continued.	coal shortage	
Chandrapur Unit 5	500	06/09/2014	18.30	08/09/2014	00.10	Maint.Work.	
Chandrapur Unit 6	500	07/09/2014	04.28	08/09/2014	23.40	UAT Problem.	
Bhusawal Unit 2	210	07/09/2014	13.08		Continued.	Flame Failure.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 08/Sep/2014

Position as on 6.30 Hrs of 09/Sep/2014

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
CPP VIPL U-2	300	07/09/2014	13.48		Continued.	Coal bunkering problem.	
CPP Adani U1	660	08/09/2014	03.35		Continued.	BLR T/L.	
Bhusawal Unit 3	210	08/09/2014	09.04	08/09/2014	12.21	Low Vaccume.	
Bhusawal Unit 3	210	08/09/2014	12.22	08/09/2014	15.25	Low Vaccume.	
Nasik Unit 4	210	08/09/2014	14.20		Continued.	PA Fan problem.	
Bhusawal Unit 3	210	08/09/2014	22.10		Continued.	BLR T/L.	
Chandrapur Unit 5	500	09/09/2014	05.15		Continued.	Critical coal stock & maint.Work.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 08/Sep/2014

Position as on 6.30 Hrs of 09/Sep/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
765KV Akola II - Tiroda - I	08/09/2014	14.07	08/09/2014	20.17	Maint.Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dabhol-Nagothane - II	19/08/2014	13.54		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	03/09/2014	18.15		Continued.	Over Voltage
Kolhapur - Mapusa - I	03/09/2014	20.08		Continued.	Over Voltage
Kolhapur-Solapur(PGCIL)-I	05/09/2014	19.04		Continued.	over voltage
Akola - Thaptitanda	06/09/2014	22.28		Continued.	over voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Chandrapur - Bhadravati - IV	07/09/2014	17.02	08/09/2014	07.20	Over Voltage.
Akola - Aurangabad(PG)-II	08/09/2014	14.09	08/09/2014	21.38	Over Voltage.
Akola - Wardha (PG) - II	08/09/2014	18.01		Continued.	Over Voltage.
Chakan-Talegaon(PG)	09/09/2014	03.00	09/09/2014	06.28	Over Voltage.
Karad - Solapur (PGCIL)	09/09/2014	03.59		Continued.	Over Voltage.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
Aptcl (Akola 2) 765/400kv ICT 1500 MVA	08/09/2014	14.10	08/09/2014	19.20	Maint.Work.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/200 KV 500 MVA ICT - II Main Bay(414) @ Deepnagar	26/08/2014	12.50		Continued.	Bus CT Errection Work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Urse-Sahara	08/09/2014	10.10	08/09/2014	12.50	To attend red hot spot.
Voltage Level : 500KV			Outage Type HAND TRIPPED		
765/400KV 1500MVA ICT at Tiroda	08/09/2014	03.09	08/09/2014	20.44	APML U-1 to be W/Dn.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
New Koyna - Dabhol - I	25/08/2014	01.25		Continued.	Over Voltage.
Karad-Jaigad I	02/09/2014	18.04		Continued.	Over Voltage.
Bhusawal- Aurangabad	04/09/2014	12.11		Continued.	Over Voltage
Warora-Tiroda-I	07/09/2014	04.24		Continued.	over voltage
Lonikand- Koyna Stage IV	08/09/2014	22.05		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Karad - Kolhapur - II	04/09/2014	03.37		Continued.	Over Voltage
Warora-Chandrapur- II, Ckt II	07/09/2014	16.57		Continued.	Over Voltage.
400/220 KV 315 MVA ICT @ Khadka	07/09/2014	23.03	08/09/2014	02.05	WDG temp high Y-Ph.
Deepnagar-Tapitatanda	08/09/2014	01.57		Continued.	Over Voltage.
400/220 KV 315 MVA ICT @ Khadka	08/09/2014	02.50	08/09/2014	04.11	WDG temp high Y-Ph.
Aurangabad - Taptithanda	08/09/2014	18.02	08/09/2014	20.36	Over Voltage.
Lonikand - Chakan	09/09/2014	02.28		Continued.	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 08/Sep/2014

Position as on 6.30 Hrs of 09/Sep/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 220KV			Outage Type TRIPPED		
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
Voltage Level : 132KV			Outage Type TRIPPED		
Nandurbar-Visarwadi	08/09/2014	20.40		Continued.	Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 09/Sep/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	140
Unit 7	210	155
	620	295
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	0
Unit 5	500	450
	1420	450
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	157
Unit 6	250	200
Unit 7	250	203
	1130	560
Chandrapur		
Unit 1	210	0
Unit 2	210	140
Unit 3	210	100
Unit 4	210	165
Unit 5	500	0
Unit 6	500	300
Unit 7	500	300
	2340	1005
Paras		
Unit 3	250	0
Unit 4	250	250
	500	250
Khaparkheda		
Unit 1	210	0
Unit 2	210	170
Unit 3	210	170
Unit 4	210	170
Unit 5	500	350
	1340	860
Nasik		
Unit 3	210	152
Unit 4	210	0
Unit 5	210	172
	630	324
Uran		
All Units	852	465
	852	465
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	36
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	63
BHTGR/VEER	21	5
BHIRA T.R.	80	80
RNGR+BHTSA	20	2
BHANDARDRA	45	15
ELDARY	23	
SMLHY PTN	12	10
GHATGHAR	250	
	611	272
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	1100
WARDHA	405	190
Adani	2640	617
Other CPPs	300	435
	4545	2342
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4736
	3455	4736