



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

State Load Dispatch Center, Airoli

Daily system Report

for

08/Sep/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 08/Sep/2013 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	90.644	729.329	1) Gujrat	13.708	118.889
2) Hydro	24.581	185.395	2) Madhya Pradesh	22.207	177.672
3) Gas	10.727	84.786	3) Chattisgarh	10.730	79.690
Total MSGENCO	125.952	999.510	4) Maharashtra	73.405	546.721
B) 1) JSW JAIGAD	20.834	181.198	5) Goa	-5.035	-47.895
2) WPCL	6.209	56.861	6) TAPS 1&2 Injection	6.800	56.045
3) ADANI	29.260	222.990	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	11.545	87.426	8) Pench (Excess)	-0.345	-7.036
5) Wind Generation	5.674	67.129	# Total Cent. Sector	121.470	924.086
6) PENCH (MS)	0.345	7.036	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-14.059	-146.045
1) TPCL Thermal	18.008	141.980	G) Bilateral Power *		
2) TPCL Hydro	2.944	51.386	1) MSEDCL Bilateral	26.424	141.418
TOTAL TPCL	20.952	193.366	Include PX	15.520	57.615
3) REL Thermal	12.522	99.964	2) MUMBAI Bilateral	15.633	153.253
D) STATE			Include PX	3.791	43.013
1) Thermal (A1+C1+C3)	121.174	971.273	3) MUMBAI Schedule	15.633	153.756
2) Hydro (A2+B5+C2)	27.870	243.817	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.727	84.786	1) MSEDCL	307.230	2400.191
4) Wind (B4)	5.674	67.129	2) TPCL	30.445	286.828
5) CPP (B1+B2+B3)	67.848	354.745	3) REL	17.089	152.589
TOTAL STATE	233.293	1721.750	TOTAL STATE	354.764	2839.608

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	3559	3965	3562
MSGENCO Hydro	2198	1035	890
MSGENCO Gas	446	434	444
MSGENCO Total Generation	6203	5434	4896
Central Sector Receipt	5580	5068	5110
WIND	74	264	314
CPP / IPP	2817	2914	2659
Exchange with Mumbai	-642	-611	-412
MSEDCL DEMAND MET	14032	13089	12580
Load Shedding	741	476	184
MSEDCL DEMAND	14773	13565	12764
TPCL GENERATION	972	841	803
R-INFRA GENERATION	521	521	523
TPCL+R-INFRA DEMAND	2135	1973	1738
STATE DEMAND MET	16167	15062	14318
STATE DEMAND	16908	15538	14502
Frequency (Hz)	49.88	49.98	49.80

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.34 Hz at 18.03 Hrs	49.56 Hz at 08.09 Hrs	49.93	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/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	14.67	0	0	0
Unit 6	3.52	9.88	156	116	150
Unit 7	0.00	0.00	0	0	0
Total	3.52	24.54			150
Bhusawal					
Unit 2	0.18	13.66	75	0	0
Unit 3	3.54	27.32	165	135	140
Unit 4	7.78	53.68	370	270	366
Unit 5	2.68	44.79	340	0	
Total	14.18	139.45			506
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.49	24.73	158	126	160
Unit 5	0.00	0.00	0	0	0
Unit 6	4.49	36.34	199	169	190
Unit 7	4.43	36.31	205	159	190
Total	12.41	97.38			540
Chandrapur					
Unit 1	3.05	25.30	147	111	120
Unit 2	3.02	25.77	145	91	120
Unit 3	4.16	16.18	187	150	170
Unit 4	4.29	34.22	200	134	200
Unit 5	0.00	0.00	0	0	0
Unit 6	6.08	48.54	385	180	225
Unit 7	6.31	62.32	352	213	250
Total	26.92	212.34			1085
Paras					
Unit 3	4.68	37.05	213	181	210
Unit 4	4.77	33.38	222	184	210
Total	9.45	70.43			420
Khaparkheda					
Unit 1	3.40	25.02	160	105	160
Unit 2	0.00	7.30	0	0	0
Unit 3	3.41	29.60	191	112	190
Unit 4	4.53	23.37	192	182	190
Unit 5	0.00	0.00	0	0	0
Total	11.34	85.30			540
Nasik					
Unit 3	4.34	34.88	190	160	190
Unit 4	4.01	30.14	183	150	180
Unit 5	4.48	34.88	197	165	190
Total	12.83	99.89			560
Uran					
All Units	10.73	84.79	464	432	450
Total	10.73	84.79			450
PENCH (MS)					
Pench (MS)	0.34	7.04	50	0	
Total	0.34	7.04			
Koyna					
Stage 1-2	4.76	53.70	565	40	600
Stage 4	12.36	84.72	1120	0	250
Stage 3	4.46	29.98	240	0	240
Kovna 12&4 Total	17.12	138.43			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	21.58	168.41			1090
Hydro					
KDPH	0.92	2.10	39	38	0
VTRNA	0.00	0.00	0	0	0
TILLARI	0.23	1.86	60	0	60
BHTGR/VEER	0.10	0.83	5	4	4
BHIRA T.R.	0.44	3.93	41	0	40
RNGR+BHTSA	0.18	2.62	17	0	15
BHANDARDRA	0.56	1.42	37	14	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.22	2.20	10	9	2
GHATGHAR	0.35	2.03	231	0	0
Total	3.00	16.98			121
Wind					
MalharPeth	0.31	2.43			
Vankuswadi	0.48	4.02			
ATIT	0.06	0.94			
Kale	0.18	1.47			
Satara	1.07	15.18			
Shirala	0.20	1.43			
K Mahankal	0.00	0.86			
Supa	0.09	0.99			
Vita	0.16	7.58			
Dondaicha	2.03	22.14			
Sakri	0.29	3.35			
Nandurbar	0.21	2.12			
Khandke	0.34	1.83			
Khaparale	0.26	2.80			
Total	5.67	67.13			
CPP					
JSW JAIGAD	20.83	181.20	916	765	818
WARDHA	6.21	56.86	324	207	320
Adani	29.26	222.99	1230	1200	1234
Other CPPs	11.54	87.43			395
Total	67.85	548.48			2767
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.98	94.89	502	494	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	0.00	0.00	0	0	0
Trombay 7B	0.00	0.00	0	0	0
Trombay 8	6.03	47.09	253	249	250
TATA Hydro	2.94	51.39	329	0	447
Total	20.95	193.37			1197
REL					
1&2	12.52	99.96	524	519	500
Total	12.52	99.96			500
Cent Sect					
Share					5477
Total					5477

MS PG CL	Thermal	90.64	729.33			3801
	Thml+Gas	101.37	814.12			4251
	Hydro	24.58	185.40			1211
	Total	125.95	999.51			5462
State Total		233.29	1721.75			15403

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 08/Sep/2013

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	3729	847	456	5032	312	2773	4539	5267	-674	-627	12807	125	12932	2025	14957	49.86
2	3647	767	444	4858	271	2673	4564	5214	-508	-493	12549	165	12714	1830	14544	49.82
3	3562	890	444	4896	314	2659	4645	5110	-453	-412	12580	184	12764	1738	14502	49.80
4	3659	869	438	4966	369	2689	4310	5056	-411	-349	12731	187	12918	1677	14595	49.87
5	3654	1099	432	5185	345	2684	4302	4845	-405	-374	12685	219	12904	1664	14568	49.87
6	3629	1307	442	5378	362	2750	4617	4937	-436	-447	12980	459	13439	1718	15157	49.88
7	3637	764	461	4862	294	2798	4651	4966	-441	-467	12453	917	13370	1737	15107	50.08
8	3609	919	464	4992	191	2823	4903	5399	-514	-476	12929	916	13845	1767	15612	49.89
9	3483	1103	457	5043	198	2831	5139	5740	-609	-571	13259	863	14122	1885	16007	49.82
10	3475	1686	453	5614	151	2926	5130	5895	-695	-657	13956	616	14572	2039	16611	49.95
11	3413	2156	440	6009	100	2784	5136	5906	-750	-664	14137	579	14716	2147	16863	49.96
12	3559	2198	446	6203	74	2817	5166	5580	-766	-642	14032	741	14773	2135	16908	49.88
13	3491	2026	443	5960	49	2835	5018	5420	-763	-512	13752	900	14652	2116	16768	49.88
14	3479	1784	441	5704	72	2854	5057	5324	-769	-492	13462	796	14258	2051	16309	49.97
15	3594	1554	439	5587	101	2914	5162	5546	-799	-581	13567	617	14184	2002	16186	49.91
16	3772	1270	432	5474	157	2903	5191	5655	-794	-607	13597	493	14090	1967	16057	49.98
17	3965	1035	434	5434	264	2914	4708	5068	-763	-611	13089	476	13565	1973	15538	49.98
18	4027	415	440	4882	296	2904	3935	4060	-710	-650	11516	730	12246	1981	14227	50.05
19	4089	303	443	4835	263	2887	3946	4321	-704	-664	11666	590	12256	1977	14233	50.06
20	4172	389	452	5013	352	2841	4009	4295	-711	-850	11678	657	12335	2295	14630	49.89
21	4188	390	457	5035	308	2949	4105	4426	-737	-889	11856	407	12263	2337	14600	50.01
22	4288	241	455	4984	333	2914	4140	4490	-744	-754	11991	224	12215	2269	14484	49.99
23	4270	286	457	5013	232	2881	4080	4460	-756	-654	11956	147	12103	2150	14253	49.97
24	4253	283	457	4993	266	2845	4066	4488	-722	-616	12000	126	12126	2053	14179	49.97
MUs	90.64	24.58	10.73	125.95	5.67	67.85	110.52	121.47	-15.63	-14.06	307.23	12.13	319.36	47.53	366.90	49.93

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/2013

Position as on 6.30 Hrs of 09/Sep/2013

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	
Parli Unit 5	210	14/02/2013	22.45		Continued.	Water Shortage	
Koyna Unit 11	80	04/06/2013	13.25		Continued.	Rotar Fault.	
Chandrapur Unit 5	500	14/07/2013	00.01		Continued.	Annual Overhaul	
Tata Trombay 7B	60	27/07/2013	12.57		Continued.	Annual Overhaul	
Tata Trombay 7A	120	27/07/2013	13.55		Continued.	Annual Overhaul	
Koradi Unit 7	210	09/08/2013	07.22		Continued.	Annual Overhaul	
Cent_Sect Sipat U-1	660	15/08/2013	02.00		Continued.	Annual Overhaul	
Khaparkheda Unit 5	500	26/08/2013	21.37		Continued.	Annual Overhaul	
FORCED OUTAGE							
Dabhol 3B	230	28/05/2013	21.58		Continued.	Gas shortage.	
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 3X	290	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	
Tata Trombay 6	500	19/07/2013	23.54		Continued.	Economic shut down.	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Withdrawn	
Uran Unit 6	108	26/08/2013	12.14		Continued.	Gas Shortage	
Cent_Sect TARAPUR-3	540	28/08/2013	09.08		Continued.	Reactor Problem.	
CPP Adani U-3	660	28/08/2013	23.07		Continued.	Turbine Vibration Very High	
Cent_Sect NTPC(V-6)	210	02/09/2013	00.02		Continued.	Boiler Tube Leakage.	
Khaparkheda Unit 2	210	03/09/2013	21.01		Continued.	Coal bunkering problem.	
Bhusawal Unit 2	210	05/09/2013	10.06	08/09/2013	20.46	I D Fan Problem.	
Koradi Unit 5	200	05/09/2013	18.08		Continued.	I D Fan Problem.	
CPP JSW (J) U2	300	07/09/2013	00.01		Continued.	Withdrawn due to no schedule.	
CPP WPCL U-3	135	08/09/2013	00.51	08/09/2013	12.41	To Attend Draon Line Leakage.	
Bhusawal Unit 5	500	08/09/2013	11.35	08/09/2013	13.51	Drum level high.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 08/Sep/2013

Position as on 6.30 Hrs of 09/Sep/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Solapur (PG) II	06/09/2013	11.22		Continued.	For Controlling 400KV Parly-Wardha Line.
Kolhapur - Mapusa - I	07/09/2013	16.41		Continued.	Over Voltage.
Voltage Level : 500KV			Outage Type TRIPPED		
765KV Wardha-Senoi-II (PGCIL)	20/08/2013	20:30		Continued.	Over Voltage.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC POLE - II	07/09/2013	23.14	08/09/2013	01.49	To Attend Valve Cooling Water Pump Problem.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400 KV GT V at Khaparkheda	21/08/2013	17.34		Continued.	Hot Spot B Ph. 89T Isolator.
Jejuri-Koyna STG-IV	08/09/2013	11.26		Continued.	Replacement of insulator.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Main CB of 220/100kV 200 MVA ICTIII @ Padgha	22/05/2013	10.46		Continued.	Repl.of A and B bus isolator.ICT on TBC.
Butibori MIDC - VIPL - I	05/09/2013	14.49		Continued.	Testing of CT's @ VIPL End & Testing of CT's & Breaker @ Butibori End.
Urse-Sahara	08/09/2013	06.34	08/09/2013	10.58	Phase Sequence Correction Work @ Sahara End.
Kalwa - Salshet - III	08/09/2013	07.10	08/09/2013	08.53	To attend hot spot.
Boiser PGCIL-Boiser II	08/09/2013	08.35	08/09/2013	10.59	To attend hot spot.
Chinchwad-Urse	08/09/2013	10.58	08/09/2013	14.36	EHV Ph.sequence of chinchwad Sahara line Rearranged of Ph.Sequence.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
TBC Breaker @ Bhusawal	07/09/2013	22.38		Continued.	Y Phase Breaker Pole Stucked up, hence TBC Brkr Mechanically H/T.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz prot.operated
Deepnagar-Aurangabad-I	07/09/2013	22.56		Continued.	Over Voltage.
Karad - Kolhapur - I	08/09/2013	18.00		Continued.	Over Voltage.
Dabhol - Nagothane - I	09/09/2013	01.17		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	24/07/2013	19.26		Continued.	To Avoid Overloading by Taking Line in Grid,Handtripped @ Chikhali End Only.
Phursungi - Theur	06/09/2013	16.37		Continued.	To Control Its O/L.
Alephata-Kathapur	08/09/2013	12.39		Continued.	To Control BBLSR ICT Loading.
Babaleshwar - Bhenda	08/09/2013	12.42		Continued.	To Control BBLSR ICT Loading.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol - New Koyna - I	07/09/2013	01.24		Continued.	Over Voltage.
Karad - Kolhapur - I	07/09/2013	21.53	08/09/2013	08.12	Over Voltage.
Padgha - Babaleshwar - II	08/09/2013	11.22	09/09/2013	06:57	Dist Prot.
Lonikand - Jejuri	09/09/2013	01.23	09/09/2013	02.45	Dist. Prot.
Karad - Kolhapur - II	09/09/2013	03.09		Continued.	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 08/Sep/2013

Position as on 6.30 Hrs of 09/Sep/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 220KV			Outage Type TRIPPED		
220/100 KV,200MVA ICT - I at Padgha	07/06/2013	17.48		Continued.	Diff.Protection
Bhusawal-Chalisgaon-II	07/09/2013	19.05	08/09/2013	04.20	Distance Protection Zone-I.
Karad-Kadegaon	09/09/2013	01.08		Continued.	Dist. Prot.
Karad Mudsingi-II	09/09/2013	02.22	09/09/2013	02.35	Dist. Prot.
Jejuri - Phursungi - II	09/09/2013	03.13	09/09/2013	03.22	Dist.Prot.
Karad Mudsingi-II	09/09/2013	04.59	09/09/2013	05.13	Dist Prot.
Voltage Level : 132KV			Outage Type TRIPPED		
Beed - Beed	08/09/2013	11.20	08/09/2013	11.30	Back up Prot.Optd,O/C & E/F.
Deepnagar - Jalgaon - I	08/09/2013	12.54	08/09/2013	13.06	Dist Prot.
Parbhani-Purna	08/09/2013	17.05	08/09/2013	17.52	Back up Prot.Optd,O/C & E/F.
Voltage Level : 100KV			Outage Type TRIPPED		
100/22 KV T/F - IV @ Bhiwandi	06/09/2013	18.25		Continued.	Due to LV Side B Ph. CT Burst.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 09/Sep/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	145
Unit 7	210	0
	620	145
Bhusawal		
Unit 2	210	140
Unit 3	210	140
Unit 4	500	290
Unit 5	500	
	1420	570
Parli		
Unit 3	210	0
Unit 4	210	150
Unit 5	210	0
Unit 6	250	185
Unit 7	250	185
	1130	520
Chandrapur		
Unit 1	210	120
Unit 2	210	140
Unit 3	210	180
Unit 4	210	200
Unit 5	500	0
Unit 6	500	380
Unit 7	500	350
	2340	1370
Paras		
Unit 3	250	191
Unit 4	250	191
	500	382
Khaparkheda		
Unit 1	210	150
Unit 2	210	0
Unit 3	210	150
Unit 4	210	190
Unit 5	500	0
	1340	490
Nasik		
Unit 3	210	190
Unit 4	210	180
Unit 5	210	190
	630	560
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	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	4
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	2
GHATGHAR	250	0
	611	121
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	820
WARDHA	405	320
Adani	1320	1234
Other CPPs	300	395
	3225	2769
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	0
Trombay 7B	60	0
Trombay 8	250	250
TATA Hydro	444	447
	2024	1197
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5542
	3455	5542