



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

State Load Dispatch Center, Airoli

Daily system Report

for

09/Sep/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 09/Sep/2013 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	99.302	828.631	1) Gujrat	15.508	134.397
2) Hydro	3.862	189.257	2) Madhya Pradesh	20.680	198.352
3) Gas	11.025	95.811	3) Chattisgarh	10.200	89.890
Total MSGENCO	114.189	1113.699	4) Maharashtra	64.582	611.303
B) 1) JSW JAIGAD	21.022	202.220	5) Goa	-4.307	-52.202
2) WPCL	7.658	64.519	6) TAPS 1&2 Injection	7.348	63.393
3) ADANI	29.200	252.190	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	11.605	99.031	8) Pench (Excess)	-0.563	-7.599
5) Wind Generation	4.488	71.617	# Total Cent. Sector	113.448	1037.534
6) PENCH (MS)	0.563	7.599	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-17.749	-163.794
1) TPCL Thermal	15.867	157.847	G) Bilateral Power *		
2) TPCL Hydro	2.185	53.571	1) MSEDCL Bilateral	22.047	163.466
TOTAL TPCL	18.052	211.418	Include PX	8.103	65.718
3) REL Thermal	11.899	111.863	2) MUMBAI Bilateral	16.850	170.103
D) STATE			Include PX	1.674	44.687
1) Thermal (A1+C1+C3)	127.068	1098.341	3) MUMBAI Schedule	16.850	170.605
2) Hydro (A2+B5+C2)	6.610	250.427	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.025	95.811	1) MSEDCL	284.424	2684.615
4) Wind (B4)	4.488	71.617	2) TPCL	30.640	317.468
5) CPP (B1+B2+B3)	69.485	394.970	3) REL	17.061	169.650
TOTAL STATE	218.676	1911.166	TOTAL STATE	332.125	3171.733

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 9 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4094	4385	4207
MSGENCO Hydro	200	507	108
MSGENCO Gas	457	459	460
MSGENCO Total Generation	4751	5351	4775
Central Sector Receipt	5470	4368	4235
WIND	193	160	293
CPP / IPP	2928	2896	2836
Exchange with Mumbai	-625	-782	-416
MSEDCL DEMAND MET	12742	12040	11748
Load Shedding	50	55	50
MSEDCL DEMAND	12792	12095	11798
TPCL GENERATION	768	1043	743
R-INFRA GENERATION	523	496	524
TPCL+R-INFRA DEMAND	1916	2321	1683
STATE DEMAND MET	14658	14361	13431
STATE DEMAND	14708	14416	13481
Frequency (Hz)	49.84	49.91	50.07

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.28 Hz at 10.04 Hrs	49.58 Hz at 11.07 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 09/Sep/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.86	15.52	148	0	0
Unit 6	2.30	12.17	152	36	145
Unit 7	0.00	0.00	0	0	0
Total	3.15	27.70			145
Bhusawal					
Unit 2	3.49	17.14	160	120	140
Unit 3	3.54	30.86	170	130	140
Unit 4	8.00	61.69	465	260	290
Unit 5	6.26	51.06	315	235	
Total	21.30	160.75			570
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.22	27.94	152	120	150
Unit 5	0.00	0.00	0	0	0
Unit 6	4.35	40.68	203	166	185
Unit 7	4.29	40.60	200	155	185
Total	11.85	109.23			520
Chandrapur					
Unit 1	2.85	28.15	132	107	120
Unit 2	3.03	28.80	145	100	140
Unit 3	4.10	20.28	187	103	180
Unit 4	4.37	38.58	205	0	200
Unit 5	0.00	0.00	0	0	0
Unit 6	8.28	56.82	390	250	380
Unit 7	7.41	69.74	372	269	350
Total	30.03	242.37			1370
Paras					
Unit 3	4.71	41.76	226	165	191
Unit 4	4.78	38.17	221	180	191
Total	9.50	79.93			382
Khaparkheda					
Unit 1	3.66	28.69	185	110	150
Unit 2	0.00	7.30	0	0	0
Unit 3	3.52	33.12	165	134	150
Unit 4	3.80	27.17	179	146	190
Unit 5	0.00	0.00	0	0	0
Total	10.98	96.28			490
Nasik					
Unit 3	4.26	39.13	190	170	190
Unit 4	4.06	34.20	180	158	180
Unit 5	4.16	39.04	188	159	190
Total	12.48	112.38			560
Uran					
All Units	11.02	95.81	491	437	450
Total	11.02	95.81			450
PENCH (MS)					
Pench (MS)	0.56	7.60	51	0	
Total	0.56	7.60			
Koyna					
Stage 1-2	1.53	55.24	260	40	600
Stage 4	0.12	84.84	116	0	250
Stage 3	0.04	30.03	40	0	240
Kovna 12&4 Total	1.65	140.07			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	1.69	170.10			1090
Hydro					
KDPH	0.92	3.01	39	38	0
VTRNA	0.00	0.00	0	0	0
TILLARI	0.23	2.09	60	0	60
BHTGR/VEER	0.10	0.93	5	4	4
BHIRA T.R.	0.28	4.21	41	0	40
RNGR+BHTSA	0.39	3.00	17	16	15
BHANDARDRA	0.04	1.46	15	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.21	2.41	9	8	2
GHATGHAR	0.00	2.03	0	0	0
Total	2.17	19.16			121
Wind					
MalharPeth	0.11	2.54			
Vankuswadi	0.15	4.17			
ATIT	0.02	0.96			
Kale	0.05	1.52			
Satara	0.58	15.77			
Shirala	0.06	1.49			
K Mahankal	0.01	0.87			
Supa	0.08	1.08			
Vita	0.33	7.91			
Dondaicha	2.14	24.28			
Sakri	0.29	3.64			
Nandurbar	0.27	2.39			
Khandke	0.25	2.08			
Khaparale	0.13	2.92			
Total	4.49	71.62			
CPP					
JSW JAIGAD	21.02	202.22	900	841	820
WARDHA	7.66	64.52	321	314	320
Adani	29.20	252.19	1230	1200	1234
Other CPPs	11.60	99.03			395
Total	69.48	617.96			2769
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.56	105.45	502	316	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	5.31	52.40	252	185	250
TATA Hydro	2.18	53.57	383	0	447
Total	18.05	211.42			1197
REL					
1&2	11.90	111.86	524	395	500
Total	11.90	111.86			500
Cent Sect					
Share					5542
Total					5542

MS PG CL	Thermal	99.30	828.63			4037
	Thml+Gas	110.33	924.44			4487
	Hydro	3.86	189.26			1211
	Total	114.19	1113.70			5698
State Total		218.68	1911.17			15706

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 09/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	4256	127	463	4846	327	2844	4409	4601	-551	-527	12114	78	12192	2000	14192	49.90
2	4152	108	460	4720	369	2841	4337	4407	-478	-455	11908	50	11958	1847	13805	49.88
3	4175	113	459	4747	340	2852	4291	4256	-431	-480	11740	50	11790	1751	13541	49.95
4	4207	108	460	4775	293	2836	4248	4235	-390	-416	11748	50	11798	1683	13481	50.07
5	4223	127	456	4806	257	2850	4400	4313	-544	-457	11794	50	11844	1676	13520	50.02
6	4170	232	460	4862	242	2851	4352	4663	-509	-499	12145	50	12195	1747	13942	49.83
7	4090	147	456	4693	237	2892	4801	5124	-537	-481	12488	50	12538	1785	14323	49.80
8	4058	178	463	4699	191	2942	4827	5189	-562	-530	12516	50	12566	1831	14397	49.88
9	4094	200	457	4751	193	2928	4966	5470	-692	-625	12742	50	12792	1916	14708	49.84
10	4063	207	451	4721	150	2906	5246	5111	-888	-739	12174	50	12224	2015	14239	49.93
11	4048	208	451	4707	43	2939	5343	5312	-948	-804	12217	50	12267	2082	14349	49.96
12	3969	209	448	4626	47	2979	5272	5408	-958	-774	12286	50	12336	2079	14415	49.85
13	3891	163	452	4506	38	2951	5177	5484	-936	-861	12118	102	12220	2085	14305	50.02
14	3859	112	453	4424	74	2918	5129	5475	-887	-881	12010	52	12062	2028	14090	50.03
15	3880	107	455	4442	95	2928	5038	5260	-798	-902	11823	52	11875	2010	13885	50.07
16	3948	112	452	4512	103	2933	5001	5192	-757	-893	11847	53	11900	1994	13894	50.12
17	4001	107	448	4556	230	2897	4848	4500	-838	-935	11251	54	11305	1969	13274	50.00
18	4106	107	471	4684	221	2881	3978	3864	-716	-1034	10641	53	10694	1947	12641	50.00
19	4267	137	437	4841	153	2894	3907	4371	-711	-990	11296	54	11350	2083	13433	50.01
20	4385	507	459	5351	160	2896	4256	4368	-799	-782	12040	55	12095	2321	14416	49.91
21	4477	158	491	5126	231	2898	4329	4233	-818	-759	11776	55	11831	2338	14169	50.00
22	4434	143	490	5067	154	2884	4260	4188	-693	-942	11398	54	11452	2270	13722	50.02
23	4337	117	462	4916	215	2897	3974	4336	-723	-1077	11335	52	11387	2183	13570	50.02
24	4211	128	471	4810	125	2848	3872	4090	-685	-906	11018	52	11070	2060	13130	49.97
MUs	99.30	3.86	11.02	114.19	4.49	69.48	110.26	113.45	-16.85	-17.75	284.42	1.32	285.74	47.70	333.44	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 09/Sep/2013

Position as on 6.30 Hrs of 10/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	09/09/2013	17.50	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.	
Koradi Unit 5	200	05/09/2013	18.08	09/09/2013	16.37	I D Fan Problem.	
CPP JSW (J) U2	300	07/09/2013	00.01		Continued.	Withdrawn due to no schedule.	
Chandrapur Unit 4	210	09/09/2013	22.37	10/09/2013	04.50	ID Fan Problem.	
CPP Adani U-2	660	10/09/2013	02.14		Continued.	HP Turbine side drain line heavy flange leakage.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 09/Sep/2013

Position as on 6.30 Hrs of 10/Sep/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d 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 - II	09/09/2013	16.41		Continued.	Over Voltage.
Solapur-Solapur(PGCIL)	09/09/2013	17.15		Continued.	Over Voltage.
Warora - Tiroda - II	10/09/2013	02.04		Continued.	As Adani U-2 W/Dn.
Voltage Level : 500KV			Outage Type TRIPPED		
765KV Wardha-Senoi-II (PGCIL)	20/08/2013	20:30		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Koradi-Satpur	09/09/2013	11.34	09/09/2013	12.44	PDR,from Koradi,Taken on TBC.
Karad - Solapur (PGCIL)	10/09/2013	03.38		Continued.	Over Voltage.
IntraState					
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	09/09/2013	09.31	Replacement of insualator.
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.
220/132 KV 200 MVA ICT - II @ Bhusawal	09/09/2013	09.25	09/09/2013	15.22	B-Ph CT Replacement.
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.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol - New Koyna - I	07/09/2013	01.24		Continued.	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.
Karad-Jaigad I	09/09/2013	17.01		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
220/100 KV,200MVA ICT - I at Padgha	07/06/2013	17.48		Continued.	Diff.Protection
Karad-Kadegaon	09/09/2013	01.08	09/09/2013	12.15	Dist. Prot.
Karad Mudsingi-II	09/09/2013	02.22	09/09/2013	02.35	Dist. Prot.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 09/Sep/2013

Position as on 6.30 Hrs of 10/Sep/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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.
Badnera - Akola - I	09/09/2013	14.46		Continued.	Dist Prot,Z-I.
220/100 KV 200 MVA ICT II at Trombay	09/09/2013	17.33	10/09/2013	06.41	Due to problem in LV CB,86,86X(HV Side).
Voltage Level : 132KV			Outage Type TRIPPED		
Parli-Talegaon	09/09/2013	05.02	09/09/2013	06.05	Dist Prot,Z-I.
Beed - Talegaon	09/09/2013	05.05	09/09/2013	05.26	Dist Prot,Z-I.
Pusad-Jambazar	09/09/2013	06.20	09/09/2013	06.38	Dist Prot,Z-II.
Amravati - Lalkhedi	09/09/2013	21.48	09/09/2013	21.56	Backup O/C,E/F.Prot.
Lalkhedi - Durgwada	09/09/2013	21.48	09/09/2013	22.03	Dist Prot,Z-I.
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 10/Sep/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	36
Unit 6	210	100
Unit 7	210	0
	620	136
Bhusawal		
Unit 2	210	140
Unit 3	210	140
Unit 4	500	323
Unit 5	500	
	1420	603
Parli		
Unit 3	210	0
Unit 4	210	141
Unit 5	210	0
Unit 6	250	150
Unit 7	250	175
	1130	466
Chandrapur		
Unit 1	210	140
Unit 2	210	140
Unit 3	210	180
Unit 4	210	180
Unit 5	500	0
Unit 6	500	375
Unit 7	500	350
	2340	1365
Paras		
Unit 3	250	230
Unit 4	250	230
	500	460
Khaparkheda		
Unit 1	210	160
Unit 2	210	0
Unit 3	210	190
Unit 4	210	190
Unit 5	500	0
	1340	540
Nasik		
Unit 3	210	190
Unit 4	210	180
Unit 5	210	190
	630	560
Uran		
All Units	852	460
	852	460
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	36
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	
BHIRA T.R.	80	40
RNGR+BHTSA	20	17
BHANDARDRA	45	20
ELDARY	23	
SMLHY PTN	12	
GHATGHAR	250	
	611	173
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	777
WARDHA	405	320
Adani	1320	
Other CPPs	300	395
	3225	1492
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	5802
	3455	5802