



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

State Load Dispatch Center, Airoli

Daily system Report

for

13/Sep/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 13/Sep/2013 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	94.367	1211.721	1) Gujrat	14.072	196.219
2) Hydro	18.094	278.274	2) Madhya Pradesh	16.640	273.036
3) Gas	9.432	138.385	3) Chattisgarh	9.770	128.670
Total MSGENCO	121.893	1628.380	4) Maharashtra	65.300	895.574
B) 1) JSW JAIGAD	21.239	286.968	5) Goa	-5.238	-71.976
2) WPCL	7.629	94.635	6) TAPS 1&2 Injection	7.464	93.278
3) ADANI	29.260	318.090	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	13.947	152.230	8) Pench (Excess)	-0.552	-10.249
5) Wind Generation	1.910	83.007	# Total Cent. Sector	107.456	1504.552
6) PENCH (MS)	0.552	10.249	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-20.002	-243.186
1) TPCL Thermal	20.634	236.133	G) Bilateral Power *		
2) TPCL Hydro	6.024	78.935	1) MSEDCL Bilateral	21.633	247.740
TOTAL TPCL	26.658	315.068	Include PX	2.991	85.099
3) REL Thermal	12.480	161.323	2) MUMBAI Bilateral	14.642	245.027
D) STATE			Include PX	3.405	62.600
1) Thermal (A1+C1+C3)	127.481	1609.177	3) MUMBAI Schedule	14.642	245.567
2) Hydro (A2+B5+C2)	24.670	367.458	H) ENERGY CATERED (MUs)		
3) Gas (A3)	9.432	138.385	1) MSEDCL	283.884	3834.925
4) Wind (B4)	1.910	83.007	2) TPCL	38.392	468.635
5) CPP (B1+B2+B3)	72.075	563.093	3) REL	20.747	250.984
TOTAL STATE	235.568	2761.120	TOTAL STATE	343.023	4554.544

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	3881	3805	4001
MSGENCO Hydro	722	2070	106
MSGENCO Gas	451	311	450
MSGENCO Total Generation	5054	6186	4557
Central Sector Receipt	5455	4081	3809
WIND	32	51	112
CPP / IPP	3058	3022	2928
Exchange with Mumbai	-1172	-945	-385
MSEDCL DEMAND MET	12451	12428	11048
Load Shedding	50	54	50
MSEDCL DEMAND	12501	12482	11098
TPCL GENERATION	1269	1346	847
R-INFRA GENERATION	521	520	520
TPCL+R-INFRA DEMAND	2962	2811	1752
STATE DEMAND MET	15413	15239	12800
STATE DEMAND	15463	15293	12850
Frequency (Hz)	49.88	49.94	49.96

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.28 Hz at 06.02 Hrs	49.53 Hz at 14.23 Hrs	49.89	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 13/Sep/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.04	19.90	153	102	105
Unit 6	3.52	24.03	174	115	125
Unit 7	0.00	0.00	0	0	0
Total	6.56	43.93			230
Bhusawal					
Unit 2	3.42	31.48	155	125	150
Unit 3	3.46	44.86	160	125	140
Unit 4	6.20	90.22	310	190	325
Unit 5	3.93	72.31	260	0	0
Total	17.00	238.87			615
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.45	41.16	160	135	150
Unit 5	0.00	0.00	0	0	0
Unit 6	4.53	58.05	221	175	200
Unit 7	4.60	57.80	220	165	200
Total	12.58	157.01			550
Chandrapur					
Unit 1	1.60	38.29	123	0	130
Unit 2	2.83	40.19	198	69	140
Unit 3	2.96	32.36	153	81	120
Unit 4	3.16	50.29	156	90	130
Unit 5	0.00	0.00	0	0	0
Unit 6	7.89	88.35	390	225	350
Unit 7	8.24	99.70	410	282	350
Total	26.69	349.19			1220
Paras					
Unit 3	4.82	60.49	227	187	210
Unit 4	4.61	57.02	219	138	210
Total	9.43	117.51			420
Khaparkheda					
Unit 1	3.44	43.79	165	110	170
Unit 2	2.50	10.24	125	70	130
Unit 3	3.74	50.13	178	140	180
Unit 4	4.28	44.85	194	162	190
Unit 5	0.00	0.00	0	0	0
Total	13.96	149.02			670
Nasik					
Unit 3	0.00	50.36	0	0	0
Unit 4	3.85	49.94	181	145	180
Unit 5	4.29	55.90	196	158	190
Total	8.14	156.20			370
Uran					
All Units	9.43	138.38	469	305	450
Total	9.43	138.38			450
PENCH (MS)					
Pench (MS)	0.55	10.25	47	0	
Total	0.55	10.25			
Koyna					
Stage 1-2	5.08	77.97	475	40	600
Stage 4	7.71	125.79	1071	0	250
Stage 3	2.68	43.92	238	0	240
Kovna 12&4 Total	12.80	203.76			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	15.48	247.68			1090
Hydro					
KDPH	0.15	4.70	20	0	20
VTRNA	0.34	0.34	61	0	0
TILLARI	0.31	3.30	60	0	60
BHTGR/VEER	0.11	1.35	5	4	5
BHIRA T.R.	0.50	6.05	41	0	40
RNGR+BHTSA	0.00	3.40	0	0	0
BHANDARDRA	0.55	2.92	40	14	7
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.34	3.86	15	14	0
GHATGHAR	0.32	4.68	168	0	0
Total	2.61	30.60			132
Wind					
MalharPeth	0.11	2.94			
Vankuswadi	0.22	5.04			
ATIT	0.02	1.18			
Kale	0.08	1.88			
Satara	0.60	19.22			
Shirala	0.10	1.90			
K Mahankal	0.01	0.91			
Supa	0.04	1.43			
Vita	0.24	8.91			
Dondaicha	0.29	26.85			
Sakri	0.07	3.98			
Nandurbar	0.02	2.67			
Khandke	0.00	2.69			
Khaparale	0.12	3.42			
Total	1.91	83.01			
CPP					
JSW JAIGAD	21.24	286.97	910	850	820
WARDHA	7.63	94.64	325	313	305
Adani	29.26	318.09	1240	1200	1320
Other CPPs	13.95	152.23			384
Total	72.08	851.92			2829
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.99	152.45	502	495	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.25	7.24	122	86	120
Trombay 7B	0.47	0.47	69	0	0
Trombay 8	5.93	75.98	252	190	250
TATA Hydro	6.02	78.94	471	0	447
Total	26.66	315.07			1317
REL					
1&2	12.48	161.32	523	517	500
Total	12.48	161.32			500
Cent Sect					
Share					5548
Total					5548

MS PG CL	Thermal	94.37	1211.72			4075
	Thml+Gas	103.80	1350.11			4525
	Hydro	18.09	278.27			1222
	Total	121.89	1628.38			5747
State Total		235.57	2761.12			15941

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 13/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	4002	276	445	4723	139	2925	4087	4130	-506	-668	11276	79	11355	2028	13383	49.92
2	3970	181	445	4596	105	2942	3942	3976	-358	-450	11196	50	11246	1846	13092	49.88
3	4001	106	450	4557	112	2928	3817	3809	-383	-385	11048	50	11098	1752	12850	49.96
4	4018	101	462	4581	121	2966	3809	3777	-388	-326	11146	50	11196	1692	12888	49.89
5	4049	156	456	4661	114	2939	3813	3805	-392	-328	11217	50	11267	1692	12959	49.79
6	4035	606	463	5104	76	2951	3823	3934	-405	-400	11690	50	11740	1801	13541	49.87
7	4014	772	469	5255	70	2963	4207	4516	-403	-505	12324	50	12374	1897	14271	49.92
8	4022	1163	463	5648	30	2972	4344	4480	-533	-632	12523	50	12573	2039	14612	49.89
9	3963	1068	460	5491	25	3034	4725	4771	-750	-871	12474	50	12524	2335	14859	49.86
10	3928	964	454	5346	28	3091	5077	5184	-810	-1112	12561	50	12611	2718	15329	49.87
11	3881	722	451	5054	32	3058	5272	5455	-766	-1172	12451	50	12501	2962	15463	49.88
12	3888	655	452	4995	20	3036	5315	5350	-760	-1174	12251	50	12301	3001	15302	49.76
13	3886	552	452	4890	18	3070	5157	5336	-731	-1172	12168	104	12272	2999	15271	49.85
14	3841	753	406	5000	17	3087	4958	4947	-724	-1084	11993	54	12047	2898	14945	49.82
15	3884	762	308	4954	27	2992	5177	5067	-728	-1176	11890	54	11944	2961	14905	49.77
16	3865	408	308	4581	52	3012	5213	5239	-760	-1171	11738	54	11792	2978	14770	49.98
17	3824	182	306	4312	81	2971	4884	5136	-748	-1162	11338	54	11392	2934	14326	49.92
18	3781	685	312	4778	80	2994	4315	4449	-760	-1200	11101	54	11155	2948	14103	49.91
19	3819	1320	305	5444	65	2990	4204	4389	-730	-952	11936	54	11990	2814	14804	49.87
20	3805	2070	311	6186	51	3022	4072	4081	-691	-945	12428	54	12482	2811	15293	49.94
21	4017	1533	311	5861	158	3069	4011	4152	-619	-823	12464	54	12518	2709	15227	49.88
22	3970	1315	311	5596	127	3051	3850	4025	-630	-776	12043	54	12097	2561	14658	49.90
23	3985	1051	315	5351	189	3025	3823	3766	-566	-797	11556	54	11610	2454	14064	49.96
24	3919	693	317	4929	173	2987	3852	3684	-503	-721	11074	54	11128	2310	13438	49.95
MUs	94.37	18.09	9.43	121.89	1.91	72.08	105.75	107.46	-14.64	-20.00	283.89	1.33	285.21	59.14	344.35	49.89

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 13/Sep/2013

Position as on 6.30 Hrs of 14/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	13/09/2013	15.37	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	
Cent_Sect TARAPUR-3	540	28/08/2013	09.08		Continued.	Reactor Problem.	
CPP JSW (J) U2	300	07/09/2013	00.01		Continued.	Withdrawn due to no schedule.	
CPP Adani U1	660	10/09/2013	07.30		Continued.	BLR T/L.	
Nasik Unit 3	210	12/09/2013	17.00		Continued.	Boiler Tube Leakage	
Bhusawal Unit 5	500	13/09/2013	06.06	13/09/2013	13.22	Class A Prot.operated	
Uran Unit 8	108	13/09/2013	13.16		Continued.	Gas Shortage.	
Chandrapur Unit 1	210	13/09/2013	13.35		Continued.	Boiler Tube Leakage.	
Bhusawal Unit 4	500	14/09/2013	02.01	14/09/2013	04.42	Flame failure.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 13/Sep/2013

Position as on 6.30 Hrs of 14/Sep/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Dhule-Khandwa I	13/09/2013	14.31		Continued.	D/P , Zone 1, R-E fault , Dist.260 kms from Khancva trial taken 15.06 but tripped on soft .FC1.1KA.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Taps-Boiser	13/09/2013	09.40	13/09/2013	12.37	For Replacement of insulator string at L N -35.
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)	13/09/2013	00.34	13/09/2013	06.43	Over Voltage
Dhule-S'Sarovar I	13/09/2013	03.18	13/09/2013	08.31	Over Voltage
Solapur - Solapur (PG)	13/09/2013	17.59	14/09/2013	06.44	H/T code 9/939 432/424 Kv
Voltage Level : 500KV			Outage Type TRIPPED		
765KV Wardha-Senoi-II (PGCIL)	20/08/2013	20:30		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.
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.
220/132 KV 200 MVA ICT-II @ Boiser	12/09/2013	13.45		Continued.	CB Compressor Motor problem(Taken on TBC)
Urse-II -Talegaon	13/09/2013	07.03	13/09/2013	14.15	Line Maint.work.
Washala-Ghatghar	13/09/2013	14.20	13/09/2013	15.55	Hot Spot Attending Work.
Urse-I-Talegaon	13/09/2013	14.23	13/09/2013	19.55	line maint. work.
Jejuri (New) - Phursungi - II	13/09/2013	14.42	13/09/2013	16.35	Hot Spot Attending Work At Phursungi.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Boisar - Boisar MIDC	13/09/2013	12.57	13/09/2013	14.43	Hot spot attending work.
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	12/09/2013	17.40		Continued.	Over Voltage
Lonikand- Koyna Stage IV	12/09/2013	23.30	13/09/2013	09.10	Over Voltage
Dabhol - Nagothane - I	13/09/2013	22.58		Continued.	H/T O/V
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.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 13/Sep/2013

Position as on 6.30 Hrs of 14/Sep/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Dabhol-Nagothane-II	12/09/2013	13.52	13/09/2013	09.37	Distance protection(Ready for charging 16.17Hrs)
Karad-Jaigad I	12/09/2013	17.26	13/09/2013	08.07	Distance protection.
Karad - Kolhapur - II	13/09/2013	23.58		Continued.	Trip DT send from Karad.
Karad-Jaigad I	14/09/2013	00.39		Continued.	Trip DT send from Karad.
Voltage Level : 220KV			Outage Type TRIPPED		
220/100 KV,200MVA ICT - I at Padgha	07/06/2013	17.48		Continued.	Diff.Protection
Kolhapur - Sawantwadi - II	12/09/2013	16.01		Continued.	Distance protection
Uran-Apta-II	13/09/2013	15.35	13/09/2013	15.50	A/R Successful At Apta . Tripped from Uran end only.
Pedambe - Oni	13/09/2013	16.49	13/09/2013	22.35	Tripped on D/P & Declared faulty.
Padgha-Jambhul-I	14/09/2013	05.09		Continued.	Tripped on Dist. Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Girwali-Renapur - Ahemadpur	13/09/2013	11.32		Continued.	Tripped on D/P D-6KM ,IF-9KA,BPH TO EARTH ,LOAD AFFECTED 37 MW OF RENAPUR AND AHEMADPUR. LOAD DIVERTED ON 132 KV LATUR (RENAPUR LOAD)AND 33KV CHAKUR (AHEMADPUR LOAD) AT 12.11 HRS.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 14/Sep/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	140
Unit 6	210	160
Unit 7	210	0
	620	300
Bhusawal		
Unit 2	210	155
Unit 3	210	140
Unit 4	500	323
Unit 5	500	
	1420	618
Parli		
Unit 3	210	0
Unit 4	210	145
Unit 5	210	0
Unit 6	250	180
Unit 7	250	180
	1130	505
Chandrapur		
Unit 1	210	0
Unit 2	210	140
Unit 3	210	160
Unit 4	210	200
Unit 5	500	0
Unit 6	500	350
Unit 7	500	375
	2340	1225
Paras		
Unit 3	250	191
Unit 4	250	191
	500	382
Khaparkheda		
Unit 1	210	130
Unit 2	210	130
Unit 3	210	190
Unit 4	210	190
Unit 5	500	0
	1340	640
Nasik		
Unit 3	210	0
Unit 4	210	180
Unit 5	210	190
	630	370
Uran		
All Units	852	330
	852	330
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	20
VTRNA	60	

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	
BHIRA T.R.	80	40
RNGR+BHTSA	20	
BHANDARDRA	45	
ELDARY	23	
SMLHY PTN	12	12
GHATGHAR	250	
	611	132
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	550
WARDHA	405	320
Adani	1320	1234
Other CPPs	300	480
	3225	2584
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1377
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5312
	3455	5312