



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

State Load Dispatch Center, Airoli

Daily system Report

for

04/Sep/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 04/Sep/2013 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	92.782	358.323	1) Gujrat	12.460	56.883
2) Hydro	29.187	95.956	2) Madhya Pradesh	21.593	91.610
3) Gas	10.983	41.366	3) Chattisgarh	9.820	39.590
Total MSGENCO	132.952	495.645	4) Maharashtra	64.689	269.520
B) 1) JSW JAIGAD	23.399	92.616	5) Goa	-5.974	-24.972
2) WPCL	7.523	29.717	6) TAPS 1&2 Injection	7.497	29.957
3) ADANI	29.180	106.040	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	9.136	43.695	8) Pench (Excess)	-0.939	-3.786
5) Wind Generation	11.663	32.538	# Total Cent. Sector	109.146	458.802
6) PENCH (MS)	0.939	3.786	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-20.068	-75.216
1) TPCL Thermal	17.981	69.979	G) Bilateral Power *		
2) TPCL Hydro	7.518	25.480	1) MSEDCL Bilateral	17.108	58.247
TOTAL TPCL	25.499	95.459	Include PX	6.130	15.751
3) REL Thermal	12.485	49.921	2) MUMBAI Bilateral	21.162	80.745
D) STATE			Include PX	6.849	23.842
1) Thermal (A1+C1+C3)	123.248	478.223	3) MUMBAI Schedule	21.562	81.235
2) Hydro (A2+B5+C2)	37.644	125.222	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.983	41.366	1) MSEDCL	303.870	1187.623
4) Wind (B4)	11.663	32.538	2) TPCL	38.136	144.649
5) CPP (B1+B2+B3)	69.238	195.208	3) REL	19.912	75.990
TOTAL STATE	252.776	872.557	TOTAL STATE	361.918	1408.262

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3786	4117	3891
MSGENCO Hydro	1730	908	364
MSGENCO Gas	442	444	470
MSGENCO Total Generation	5958	5469	4725
Central Sector Receipt	5421	4595	4174
WIND	241	842	456
CPP / IPP	3080	2758	2946
Exchange with Mumbai	-1240	-1148	-425
MSEDCL DEMAND MET	13488	12559	11878
Load Shedding	991	718	208
MSEDCL DEMAND	14479	13277	12086
TPCL GENERATION	1196	1218	750
R-INFRA GENERATION	521	521	520
TPCL+R-INFRA DEMAND	2957	2887	1695
STATE DEMAND MET	16445	15446	13573
STATE DEMAND	17436	16164	13781
Frequency (Hz)	49.92	49.92	50.03

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.41 Hz at 13:02 Hrs	49.19 Hz at 19:17 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 04/Sep/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.22	12.55	140	115	140
Unit 6	0.00	5.05	0	0	0
Unit 7	0.00	0.00	0	0	0
Total	3.22	17.60			140
Bhusawal					
Unit 2	2.75	12.12	130	100	140
Unit 3	3.25	13.31	160	125	140
Unit 4	7.00	24.11	365	240	269
Unit 5	6.24	22.74	310	190	0
Total	19.24	72.28			549
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.52	11.11	160	126	160
Unit 5	0.00	0.00	0	0	0
Unit 6	4.77	17.65	221	168	200
Unit 7	4.35	18.03	216	157	180
Total	12.65	46.79			540
Chandrapur					
Unit 1	3.33	12.77	145	127	145
Unit 2	3.52	13.54	155	138	150
Unit 3	0.75	0.75	131	0	0
Unit 4	4.40	17.14	196	149	195
Unit 5	0.00	0.00	0	0	0
Unit 6	7.77	18.25	375	260	325
Unit 7	8.15	30.86	398	309	325
Total	27.92	93.30			1140
Paras					
Unit 3	4.22	16.74	191	156	189
Unit 4	4.34	17.66	234	118	189
Total	8.56	34.39			378
Khaparkheda					
Unit 1	3.30	11.41	170	85	120
Unit 2	0.00	7.30	0	0	0
Unit 3	3.91	14.33	183	149	140
Unit 4	3.40	11.60	200	0	140
Unit 5	0.00	0.00	0	0	0
Total	10.62	44.64			400
Nasik					
Unit 3	4.32	17.54	195	150	200
Unit 4	2.58	14.64	173	0	170
Unit 5	3.68	17.15	200	0	200
Total	10.58	49.33			570
Uran					
All Units	10.98	41.37	475	439	460
Total	10.98	41.37			460
PENCH (MS)					
Pench (MS)	0.94	3.79	54	2	0
Total	0.94	3.79			0
Koyna					
Stage 1-2	9.51	28.80	585	80	600
Stage 4	13.52	43.91	851	0	250
Stage 3	4.84	15.49	240	0	240
Kovna 12&4 Total	23.03	72.71			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	27.87	88.20			1090
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.00	0	0	0
TILLARI	0.20	0.95	59	0	60
BHTGR/VEER	0.10	0.42	5	4	4
BHIRA T.R.	0.45	1.77	41	0	40
RNGR+BHTSA	0.40	1.60	17	16	17
BHANDARDRA	0.00	0.21	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.16	1.40	7	6	10
GHATGHAR	0.00	1.42	0	0	0
Total	1.31	7.76			131
Wind					
MalharPeth	0.26	0.98			
Vankuswadi	0.43	1.49			
ATIT	0.05	0.64			
Kale	0.22	0.57			
Satara	3.22	6.23			
Shirala	0.20	0.57			
K Mahankal	0.05	0.73			
Supa	0.12	0.35			
Vita	1.70	3.42			
Dondaicha	3.71	12.48			
Sakri	0.57	1.77			
Nandurbar	0.33	1.23			
Khandke	0.35	0.68			
Khaparale	0.44	1.42			
Total	11.66	32.54			
CPP					
JSW JAIGAD	23.40	92.62	1006	949	882
WARDHA	7.52	29.72	333	285	330
Adani	29.18	106.04	1230	1200	1234
Other CPPs	9.14	43.70			394
Total	69.24	272.07			2840
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.99	46.94	502	496	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	6.00	23.03	252	249	250
TATA Hydro	7.52	25.48	471	0	447
Total	25.50	95.46			1197
REL					
1&2	12.48	49.92	524	511	500
Total	12.48	49.92			500
Cent Sect					
Share					4685
Total					4685

MS PG CL	Thermal	92.78	358.32			3717
	Thml+Gas	103.76	399.69			4177
	Hydro	29.19	95.96			1221
	Total	132.95	495.64			5398
State Total		252.78	872.56			14620

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 04/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	3846	959	467	5272	509	2912	4005	4125	-610	-525	12342	119	12461	1994	14455	49.89
2	3881	826	469	5176	507	2975	4109	4170	-619	-550	12318	175	12493	1841	14334	49.89
3	3863	658	472	4993	503	2949	3894	4118	-573	-445	12141	202	12343	1744	14087	49.92
4	3891	364	470	4725	456	2946	3901	4174	-565	-425	11878	208	12086	1695	13781	50.03
5	3839	398	475	4712	460	2962	3885	4452	-549	-416	12193	230	12423	1687	14110	49.97
6	3885	1151	473	5509	375	2960	3906	4190	-581	-477	12607	446	13053	1767	14820	49.88
7	3928	1141	474	5543	294	3012	3932	4164	-639	-620	12437	916	13353	1912	15265	50.07
8	3855	1441	474	5770	233	3001	3985	4588	-695	-599	13037	931	13968	2062	16030	49.97
9	3773	1563	470	5806	254	3040	4092	4732	-772	-738	13139	1076	14215	2369	16584	50.01
10	3748	1638	460	5846	246	3101	4439	5409	-1043	-1000	13649	808	14457	2707	17164	49.95
11	3772	1685	449	5906	242	3000	4719	5687	-1270	-1214	13668	793	14461	2928	17389	49.95
12	3786	1730	442	5958	241	3080	4658	5421	-1334	-1240	13488	991	14479	2957	17436	49.92
13	3771	1664	441	5876	282	3000	4671	5262	-1295	-1218	13226	984	14210	2942	17152	49.96
14	3793	1672	443	5908	451	3006	4683	5061	-1180	-1141	13309	865	14174	2872	17046	50.02
15	3813	1732	441	5986	460	3015	4661	4885	-1156	-1177	13195	811	14006	2903	16909	49.85
16	3934	1625	444	6003	633	2798	4658	4955	-1154	-1189	13224	702	13926	2925	16851	50.04
17	4117	908	444	5469	842	2758	4645	4595	-1141	-1148	12559	718	13277	2887	16164	49.92
18	4023	456	446	4925	796	2705	4124	4211	-1100	-1068	11623	956	12579	2809	15388	49.99
19	3881	758	439	5078	705	2661	3846	4013	-1038	-977	11533	651	12184	2717	14901	49.87
20	3862	1677	450	5989	652	2674	3946	3886	-1054	-1012	12242	856	13098	2750	15848	49.66
21	3772	1664	462	5898	678	2674	3948	4047	-967	-917	12426	573	12999	2656	15655	49.82
22	3836	1563	460	5859	657	2669	3794	4006	-784	-732	12509	351	12860	2448	15308	49.93
23	3971	1037	458	5466	632	2672	4076	4475	-751	-628	12667	183	12850	2306	15156	49.93
24	3942	877	460	5279	555	2668	4032	4520	-691	-612	12460	146	12606	2174	14780	49.99
MUs	92.78	29.19	10.98	132.95	11.66	69.24	100.61	109.15	-21.56	-20.07	303.87	14.69	318.56	58.05	376.61	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 04/Sep/2013

Position as on 6.30 Hrs of 05/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	
Koyna ST-IV 2	250	23/08/2013	08.35	04/09/2013	18.00	Spherical Valve Problem.	
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	
Chandrapur Unit 3	210	31/08/2013	09.38	04/09/2013	12.58	Boiler Tube Leakage.	
Cent_Sect NTPC(V-6)	210	02/09/2013	00.02		Continued.	Boiler Tube Leakage.	
Koradi Unit 6	210	02/09/2013	11.50		Continued.	ID Fan Problem.	
CPP WPCL U-3	135	03/09/2013	12.00		Continued.	Control valve problem.	
Khaparkheda Unit 2	210	03/09/2013	21.01		Continued.	Coal bunkering problem.	
Nasik Unit 4	210	04/09/2013	07.25	04/09/2013	12.25	Auxillary Supply Fail.	
Koyna Unit 4	75	04/09/2013	09.00	04/09/2013	11.12	Leakage Inspection Work.	
Nasik Unit 4	210	04/09/2013	12.27	04/09/2013	13.10	UAT Tap Changeover.	
CPP INDIABULLS	270	04/09/2013	14.58	05/09/2013	01.21	Generator Electrical Protection.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 04/Sep/2013

Position as on 6.30 Hrs of 05/Sep/2013

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Nasik Unit 5	210	04/09/2013	18.00	04/09/2013	22.05	Furnace Pressure High.	
Khaparkheda Unit 4	210	04/09/2013	20.26		Continued.	Boiler Tube Leakage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 04/Sep/2013

Position as on 6.30 Hrs of 05/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(PGCIL)-I	02/09/2013	15.03		Continued.	Over Voltage.
Karad - Solapur (PGCIL)	03/09/2013	12.15	04/09/2013	07.36	Over Voltage.
Kolhapur-Mapusa-II	03/09/2013	22.04	04/09/2013	09.27	Over Voltage.
Kolhapur - Mapusa - I	04/09/2013	21.49		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 : 400KV			Outage Type PLANNED OUTAGE		
400 KV GT V at Khaparkheda	21/08/2013	17.34		Continued.	Hot Spot B Ph. 89T Isolator.
400/220KV 500MVA ICT- I at Khaperkheda	04/09/2013	11.35	04/09/2013	17.22	Tan Delta & Capacitance of CT & R.M.Work,Hot Spot on 89B 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.
220/132KV, 200MVA ICT-1@Boiser	04/09/2013	07.20	04/09/2013	11.20	Attending Hot Spot on R Ph.C T.
220/132KV 100MVA ICT at Butibori	04/09/2013	09.00	04/09/2013	11.52	To Attend LV Side Bushing R Ph.Hot Spot.
Pedambe - Mahad	04/09/2013	09.03	04/09/2013	18.00	Bay Maintenance Work.
Phursungi - Sirum	04/09/2013	09.41	04/09/2013	14.09	Replacement of Insulator.
Badnera-Akola-II	04/09/2013	09.45	04/09/2013	17.01	For Replacement of PID Faulty Disc.
220/132KV,200MVA ICT-III At Nanded.	04/09/2013	11.00	04/09/2013	13.52	Alignment Work of Isolators.
220/132 KV 100 MVA ICT - II @ Tulzapur	04/09/2013	11.33	04/09/2013	12.47	Inspection of CTR Panel.
Main Bus- I @ Lamboti	04/09/2013	11.50	04/09/2013	17.36	Testing of 220KV P T.
Usmanabad-Barshi	04/09/2013	12.37	04/09/2013	12.47	C T Ratio Changing Work & Q.M.Work.Tan Delta Testing of CT'S.
Theur - Jejuri	04/09/2013	14.40	04/09/2013	17.35	Replacement of Insulator Strings @ Loc 31-33(CB Open @ Theur).
Babaleshwar - Nagar - I	04/09/2013	16.57	04/09/2013	19.09	Replacement of Insulator.
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	28/08/2013	21.43		Continued.	Over Voltage
Karad - Kolhapur - I	03/09/2013	21.28	04/09/2013	07.14	Over Voltage.
Dabhol - Nagothane - I	03/09/2013	21.41		Continued.	Over Voltage.
Karad - Kolhapur - II	04/09/2013	21.06		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	05/09/2013	03.14	05/09/2013	06.26	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.
Alephata-Kathapur	04/09/2013	10.13	04/09/2013	18.04	To Control L/L of Bblsr Alephata Line.
Voltage Level : 400KV			Outage Type TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 04/Sep/2013

Position as on 6.30 Hrs of 05/Sep/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Parli-Lonikand -I	04/09/2013	22.03	04/09/2013	22.43	Over Voltage.
Dhule - Babaleshwar - II	05/09/2013	00.41		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
Talandge - Sawantwadi - II.	19/08/2013	16:26	04/09/2013	10.52	D/P.
Trombay - Salsette - II Dharavi	04/09/2013	14.27	04/09/2013	14.49	Distance Protection,B-E.
Voltage Level : 132KV			Outage Type TRIPPED		
Kawlewada-Madgi II	04/09/2013	19.02	04/09/2013	20.24	Distance Protection Operated Zone-I.
Kawlewadi-Madgi-I	04/09/2013	19.09	04/09/2013	22.39	Distance Protection Operated Zone-I.
Voltage Level : 100KV			Outage Type TRIPPED		
Kalwa - Salsette - II	04/09/2013	21.41		Continued.	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 05/Sep/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	150
Unit 6	210	0
Unit 7	210	0
	620	150
Bhusawal		
Unit 2	210	140
Unit 3	210	140
Unit 4	500	376
Unit 5	500	0
	1420	656
Parli		
Unit 3	210	0
Unit 4	210	155
Unit 5	210	0
Unit 6	250	190
Unit 7	250	195
	1130	540
Chandrapur		
Unit 1	210	145
Unit 2	210	150
Unit 3	210	140
Unit 4	210	200
Unit 5	500	0
Unit 6	500	350
Unit 7	500	400
	2340	1385
Paras		
Unit 3	250	200
Unit 4	250	100
	500	300
Khaparkheda		
Unit 1	210	140
Unit 2	210	0
Unit 3	210	160
Unit 4	210	0
Unit 5	500	0
	1340	300
Nasik		
Unit 3	210	200
Unit 4	210	190
Unit 5	210	190
	630	580
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	17
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	0
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	902
WARDHA	405	290
Adani	1320	1234
Other CPPs	300	394
	3225	2820
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	4893
	3455	4893