



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

State Load Dispatch Center, Airoli

Daily system Report

for

03/Sep/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 03/Sep/2013 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	89.785	265.541	1) Gujrat	12.860	44.423
2) Hydro	28.985	66.769	2) Madhya Pradesh	25.521	70.017
3) Gas	10.330	30.383	3) Chattisgarh	10.590	29.770
Total MSGENCO	129.100	362.693	4) Maharashtra	67.546	204.831
B) 1) JSW JAIGAD	23.269	69.217	5) Goa	-6.578	-18.998
2) WPCL	7.407	22.194	6) TAPS 1&2 Injection	7.492	22.460
3) ADANI	22.380	76.860	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	11.583	34.559	8) Pench (Excess)	-1.011	-2.847
5) Wind Generation	9.627	20.875	# Total Cent. Sector	116.420	349.656
6) PENCH (MS)	1.011	2.847	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-20.039	-55.148
1) TPCL Thermal	17.931	51.998	G) Bilateral Power *		
2) TPCL Hydro	7.694	17.962	1) MSEDCL Bilateral	15.204	41.140
TOTAL TPCL	25.625	69.960	Include PX	4.062	9.621
3) REL Thermal	12.466	37.436	2) MUMBAI Bilateral	21.367	59.582
D) STATE			Include PX	7.222	16.993
1) Thermal (A1+C1+C3)	120.182	354.975	3) MUMBAI Schedule	21.457	59.672
2) Hydro (A2+B5+C2)	37.690	87.578	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.330	30.383	1) MSEDCL	300.758	883.753
4) Wind (B4)	9.627	20.875	2) TPCL	38.263	106.513
5) CPP (B1+B2+B3)	64.639	148.350	3) REL	19.866	56.078
TOTAL STATE	242.468	642.161	TOTAL STATE	358.887	1046.344

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	3817	3624	3785
MSGENCO Hydro	1574	1252	725
MSGENCO Gas	330	448	462
MSGENCO Total Generation	5721	5324	4972
Central Sector Receipt	5940	5545	4242
WIND	268	560	384
CPP / IPP	2689	2643	2536
Exchange with Mumbai	-1189	-1160	-422
MSEDCL DEMAND MET	13476	12936	11756
Load Shedding	526	392	179
MSEDCL DEMAND	14002	13328	11935
TPCL GENERATION	1190	1196	803
R-INFRA GENERATION	518	518	519
TPCL+R-INFRA DEMAND	2897	2874	1744
STATE DEMAND MET	16373	15810	13500
STATE DEMAND	16899	16202	13679
Frequency (Hz)	50.00	50.08	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.35 Hz at 12:02 Hrs	49.45 Hz at 19:10 Hrs	49.98	0 % of Time(min)

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and TPCL bilateral power.

Shift Engineer

Shift Incharge

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 03/Sep/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.83	9.34	140	100	120
Unit 6	0.00	5.05	0	0	0
Unit 7	0.00	0.00	0	0	0
Total	2.83	14.39			120
Bhusawal					
Unit 2	3.08	9.36	155	75	140
Unit 3	3.26	10.06	145	120	140
Unit 4	6.42	17.12	305	180	280
Unit 5	6.34	16.50	340	210	0
Total	19.09	53.04			560
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	1.35	7.59	149	0	80
Unit 5	0.00	0.00	0	0	0
Unit 6	4.40	12.88	215	154	200
Unit 7	4.59	13.67	209	153	180
Total	10.34	34.14			460
Chandrapur					
Unit 1	3.22	9.44	148	123	150
Unit 2	3.45	10.01	165	120	140
Unit 3	0.00	0.00	0	0	0
Unit 4	4.01	12.73	190	144	200
Unit 5	0.00	0.00	0	0	0
Unit 6	7.43	10.48	365	206	350
Unit 7	7.66	22.72	413	221	400
Total	25.77	65.38			1240
Paras					
Unit 3	4.03	12.51	183	145	190
Unit 4	4.54	13.32	215	166	190
Total	8.56	25.83			380
Khaparkheda					
Unit 1	2.18	8.10	125	45	120
Unit 2	2.04	7.30	115	0	110
Unit 3	2.82	10.42	163	94	160
Unit 4	3.11	8.20	162	108	160
Unit 5	0.00	0.00	0	0	0
Total	10.16	34.02			550
Nasik					
Unit 3	4.45	13.22	195	175	190
Unit 4	3.98	12.06	174	155	190
Unit 5	4.60	13.47	203	166	200
Total	13.03	38.75			580
Uran					
All Units	10.33	30.38	468	321	450
Total	10.33	30.38			450
PENCH (MS)					
Pench (MS)	1.01	2.85	54	24	0
Total	1.01	2.85			0
Koyna					
Stage 1-2	7.92	19.29	590	40	530
Stage 4	14.67	30.39	840	207	250
Stage 3	5.10	10.65	240	158	240
Kovna 12&4 Total	22.59	49.68			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	27.69	60.33			1020
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.00	0	0	0
TILLARI	0.07	0.74	57	0	60
BHTGR/VEER	0.10	0.32	5	4	5
BHIRA T.R.	0.39	1.32	41	0	40
RNGR+BHTSA	0.40	1.20	17	16	15
BHANDARDRA	0.21	0.21	9	8	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.12	1.24	6	5	0
GHATGHAR	0.00	1.42	0	0	0
Total	1.29	6.44			120
Wind					
MalharPeth	0.29	0.72			
Vankuswadi	0.49	1.06			
ATIT	0.05	0.59			
Kale	0.12	0.36			
Satara	1.68	3.00			
Shirala	0.16	0.37			
K Mahankal	0.03	0.68			
Supa	0.08	0.22			
Vita	0.78	1.71			
Dondaicha	4.28	8.77			
Sakri	0.57	1.19			
Nandurbar	0.46	0.90			
Khandke	0.16	0.33			
Khaparale	0.47	0.97			
Total	9.63	20.88			
CPP					
JSW JAIGAD	23.27	69.22	998	943	907
WARDHA	7.41	22.19	332	263	330
Adani	22.38	76.86	1210	840	1234
Other CPPs	11.58	34.56			395
Total	64.64	202.83			2866
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.98	34.96	502	493	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	5.95	17.04	252	209	250
TATA Hydro	7.69	17.96	446	72	447
Total	25.62	69.96			1197
REL					
1&2	12.47	37.44	522	517	500
Total	12.47	37.44			500
Cent Sect					
Share					5570
Total					5570

MS PG CL	Thermal	89.78	265.54			3890
	Thml+Gas	100.12	295.92			4340
	Hydro	28.98	66.77			1140
	Total	129.10	362.69			5480
State Total		242.47	642.16			15613

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 03/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	3802	1306	461	5569	342	2588	4031	4384	-641	-623	12307	122	12429	1972	14401	49.93
2	3840	1020	462	5322	354	2546	4011	4316	-595	-465	12117	168	12285	1828	14113	49.98
3	3785	725	462	4972	384	2536	4012	4242	-586	-422	11756	179	11935	1744	13679	50.00
4	3829	670	462	4961	361	2532	4174	4313	-589	-329	11881	184	12065	1668	13733	50.11
5	3831	655	462	4948	393	2523	4292	4607	-589	-330	12172	213	12385	1667	14052	50.13
6	3814	699	468	4981	387	2551	4597	4920	-562	-424	12459	394	12853	1767	14620	50.00
7	3848	789	464	5101	376	2594	4611	4947	-635	-557	12504	811	13315	1921	15236	50.12
8	3900	1174	465	5539	266	2617	4764	5044	-691	-649	12860	809	13669	2106	15775	50.04
9	3897	1264	459	5620	293	2641	4890	5147	-772	-781	12966	750	13716	2383	16099	50.04
10	3794	1642	321	5757	227	2749	5145	5553	-1053	-1008	13324	531	13855	2714	16569	49.95
11	3817	1574	330	5721	268	2689	5550	5940	-1271	-1189	13476	526	14002	2897	16899	50.00
12	3729	1616	337	5682	176	2667	5894	5871	-1342	-1254	13187	640	13827	2964	16791	50.01
13	3768	1473	422	5663	183	2672	5532	5706	-1311	-1251	13018	908	13926	2957	16883	50.12
14	3752	1535	447	5734	285	2662	4905	5337	-1186	-1124	12940	811	13751	2832	16583	50.01
15	3602	1605	442	5649	419	2664	5412	5548	-1178	-1148	13157	636	13793	2866	16659	49.84
16	3623	1536	448	5607	563	2657	5447	5639	-1180	-1157	13334	407	13741	2875	16616	49.97
17	3624	1252	448	5324	560	2643	5143	5545	-1168	-1160	12936	392	13328	2874	16202	50.08
18	3706	791	448	4945	533	2683	4114	4259	-880	-1087	11379	563	11942	2802	14744	50.05
19	3698	699	450	4847	521	2781	3934	4342	-921	-996	11549	477	12026	2711	14737	49.84
20	3587	1319	454	5360	477	2877	4083	4413	-1049	-1027	12146	630	12776	2744	15520	49.77
21	3605	1172	455	5232	751	2954	4013	4407	-980	-954	12433	434	12867	2670	15537	49.87
22	3588	1396	341	5325	517	2940	3893	4111	-822	-795	12140	253	12393	2512	14905	49.87
23	3672	1550	371	5593	565	2950	3764	4038	-758	-686	12506	168	12674	2387	15061	49.82
24	3694	1523	451	5668	426	2923	3730	3791	-697	-623	12231	142	12373	2269	14642	49.90
MUs	89.80	28.98	10.33	129.12	9.63	64.64	109.94	116.42	-21.46	-20.04	300.78	11.15	311.93	58.13	370.06	49.98

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 03/Sep/2013

Position as on 6.30 Hrs of 04/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		Continued.	Spherical Valve Problem.	04/09/2013
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.	
CPP WPCL U-2	135	06/08/2013	09.45	03/09/2013	04.38	Flame Failure	
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		Continued.	Boiler Tube Leakage.	04/09/2013
Koyna Unit 4	75	01/09/2013	08.15	03/09/2013	16.15	To Attending TGB Oil 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.	
Koyna Unit 3	75	02/09/2013	22.05	03/09/2013	10.35	Prot.problem.	
Parli Unit 4	210	03/09/2013	08.35	03/09/2013	12.30	Gen Prot.Optd.	
Uran Unit 5	108	03/09/2013	09.48	03/09/2013	103.35	LP Feed water pump.	
Uran Unit A0	120	03/09/2013	09.48	03/09/2013	12.45	LP Feed water pump.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 03/Sep/2013

Position as on 6.30 Hrs of 04/Sep/2013

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
CPP WPCL U-3	135	03/09/2013	12.00		Continued.	Control valve problem.	
Parli Unit 4	210	03/09/2013	14.51	03/09/2013	20.44	Boiler Protection.	
Khaparkheda Unit 2	210	03/09/2013	21.01		Continued.	Coal bunkering problem.	
Uran Unit 5	108	03/09/2013	21.10	03/09/2013	21.38	LP Feed water pump.	
Uran Unit A0	120	03/09/2013	21.10	03/09/2013	23.32	LP Feed water pump.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 03/Sep/2013

Position as on 6.30 Hrs of 04/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.
Kolhapur - Mapusa - I	02/09/2013	16.20	03/09/2013	10.22	Over Voltage.
Solapur - Solapur (PG)	02/09/2013	17.58	03/09/2013	06.02	Over Voltage.
Karad - Solapur (PGCIL)	03/09/2013	07.10	03/09/2013	11.38	To control loading Parli PG-Wardha PG.
Karad - Solapur (PGCIL)	03/09/2013	12.15		Continued.	Over Voltage.
Kolhapur-Mapusa-II	03/09/2013	22.04		Continued.	Over Voltage.
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		
Parli (PG) - Wardha (PG) - II	02/09/2013	09.47	03/09/2013	19.24	R-Ph to Y-Ph Fault.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400 KV GT V at Khaparkhedda	21/08/2013	17.34		Continued.	Hot Spot B Ph. 89T Isolator.
400/220KV,315MVA ICT-I at Karad	03/09/2013	10.42	03/09/2013	17.32	CTR Work
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.
Akola - Badnera - I	03/09/2013	08.43	03/09/2013	21.29	Repl.of PID faulty discs at various locations.
Pedambe - Pophali	03/09/2013	08.50	03/09/2013	17.20	R.M.Work
Padgha - Jindal	03/09/2013	09.01	03/09/2013	20.49	Repl.of CT.
Karad - Vita - I	03/09/2013	09.15	03/09/2013	17.17	Repl of damaged conductor.
220/132KV 200MVA ICT-II at Mudshingi	03/09/2013	10.35	03/09/2013	11.44	Q.M.Work
Kandalgaon - Topworth	03/09/2013	10.50	03/09/2013	17.05	Maint.work.
Parly - New Parly TPS - II	03/09/2013	12.07	03/09/2013	15.59	To attend hot spot observed near on B-Ph CT.
Chandrapur-Wani	03/09/2013	12.11	03/09/2013	18.38	Relay testing work.
Ajinkyatara-Satara MIDC	03/09/2013	13.00	03/09/2013	18.25	Scada work at Ajinkyatara
Vankuswadi-Ajinkyatara	03/09/2013	13.08	03/09/2013	17.25	Scada work at Ajinkyatara
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Deepnagar-Khadka I	03/09/2013	09.16	03/09/2013	12.34	Tan delta measurement of CT's and Q.M.Work.
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
Dabhol - Nagothane - I	01/09/2013	16.43	03/09/2013	10.35	Over Voltage.
Karad - Kolhapur - II	02/09/2013	16.38	03/09/2013	08.52	Over Voltage.
Bhusawal- Aurangabad	02/09/2013	18.35	03/09/2013	08.36	Over Voltage.
Karad - Kolhapur - I	03/09/2013	21.28		Continued.	Over Voltage.
Dabhol - Nagothane - I	03/09/2013	21.41		Continued.	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 03/Sep/2013

Position as on 6.30 Hrs of 04/Sep/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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		
Koyna IV - Jejuri	02/09/2013	16.25	03/09/2013	19.04	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		Continued.	D/P.
Voltage Level : 132KV			Outage Type TRIPPED		
Chikhali - Khamgaon	03/09/2013	04.55	03/09/2013	08.30	Dist Prot. C.C.Burst at K'gaon end.
Ambazari-Arvi	03/09/2013	17.15	03/09/2013	17.37	Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 04/Sep/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	140
Unit 6	210	0
Unit 7	210	0
	620	140
Bhusawal		
Unit 2	210	140
Unit 3	210	140
Unit 4	500	269
Unit 5	500	
	1420	549
Parli		
Unit 3	210	0
Unit 4	210	160
Unit 5	210	0
Unit 6	250	200
Unit 7	250	180
	1130	540
Chandrapur		
Unit 1	210	145
Unit 2	210	150
Unit 3	210	0
Unit 4	210	195
Unit 5	500	0
Unit 6	500	325
Unit 7	500	325
	2340	1140
Paras		
Unit 3	250	189
Unit 4	250	189
	500	378
Khaparkheda		
Unit 1	210	120
Unit 2	210	0
Unit 3	210	140
Unit 4	210	140
Unit 5	500	0
	1340	400
Nasik		
Unit 3	210	200
Unit 4	210	170
Unit 5	210	200
	630	570
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	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	10
GHATGHAR	250	0
	611	131
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	882
WARDHA	405	330
Adani	1320	1234
Other CPPs	300	394
	3225	2840
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	4685
	3455	4685