



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

State Load Dispatch Center, Airoli

Daily system Report

for

09/Oct/2013

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	105.139	863.536	1) Gujrat	11.172	108.517
2) Hydro	12.387	123.796	2) Madhya Pradesh	15.445	165.051
3) Gas	9.369	96.029	3) Chattisgarh	8.280	80.840
Total MSGENCO	126.895	1083.361	4) Maharashtra	63.283	573.837
B) 1) JSW JAIGAD	26.479	199.097	5) Goa	-6.189	-47.867
2) WPCL	8.129	71.973	6) TAPS 1&2 Injection	3.806	52.736
3) ADANI	37.870	269.170	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	10.563	96.860	8) Pench (Excess)	-0.892	-8.170
5) Wind Generation	7.699	80.543	# Total Cent. Sector	94.905	924.944
6) PENCH (MS)	0.892	8.170	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-23.638	-206.818
1) TPCL Thermal	19.911	177.631	G) Bilateral Power *		
2) TPCL Hydro	4.406	28.893	1) MSEDCL Bilateral	24.496	221.192
TOTAL TPCL	24.317	206.524	Include PX	0.000	0.000
3) REL Thermal	11.910	106.135	2) MUMBAI Bilateral	21.191	178.169
D) STATE			Include PX	6.141	47.287
1) Thermal (A1+C1+C3)	136.960	1147.302	3) MUMBAI Schedule	21.191	178.169
2) Hydro (A2+B5+C2)	17.685	160.859	H) ENERGY CATERED (MUs)		
3) Gas (A3)	9.369	96.029	1) MSEDCL	289.794	2527.300
4) Wind (B4)	7.699	80.543	2) TPCL	38.771	334.921
5) CPP (B1+B2+B3)	83.041	405.800	3) REL	21.091	184.541
TOTAL STATE	254.754	1890.533	TOTAL STATE	349.656	3046.762

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	4427	4421	4344
MSGENCO Hydro	1064	1158	128
MSGENCO Gas	447	403	243
MSGENCO Total Generation	5938	5982	4715
Central Sector Receipt	4238	4114	3190
WIND	275	407	405
CPP / IPP	3268	3496	3477
Exchange with Mumbai	-1113	-1180	-854
MSEDCL DEMAND MET	12656	12865	10956
Load Shedding	57	62	56
MSEDCL DEMAND	12713	12927	11012
TPCL GENERATION	1385	1238	680
R-INFRA GENERATION	521	520	412
TPCL+R-INFRA DEMAND	3019	2938	1946
STATE DEMAND MET	15675	15803	12902
STATE DEMAND	15732	15865	12958
Frequency (Hz)	50.03	50.03	50.06

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.38 Hz at 08:03 Hrs	49.56 Hz at 18:24 Hrs	50.02	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/Oct/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	0.00	0	0	0
Unit 6	2.59	27.50	126	73	105
Unit 7	2.85	20.45	137	90	115
Total	5.44	47.96			220
Bhusawal					
Unit 2	2.90	18.85	140	105	140
Unit 3	3.05	27.98	140	115	140
Unit 4	6.83	55.42	340	215	270
Unit 5	5.02	40.17	245	155	0
Total	17.80	142.42			550
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.19	29.29	175	106	146
Unit 5	3.35	30.83	160	92	142
Unit 6	4.07	38.06	180	142	174
Unit 7	4.01	37.21	176	148	170
Total	14.61	135.40			632
Chandrapur					
Unit 1	2.83	25.41	133	98	140
Unit 2	3.00	26.64	145	110	140
Unit 3	3.03	15.72	172	82	180
Unit 4	3.34	23.32	196	101	200
Unit 5	0.00	0.00	0	0	0
Unit 6	7.52	64.69	375	250	400
Unit 7	8.29	59.33	375	310	350
Total	28.01	215.12			1410
Paras					
Unit 3	3.93	31.89	193	123	150
Unit 4	4.02	33.10	205	134	150
Total	7.95	64.99			300
Khaparkheda					
Unit 1	4.04	32.26	190	120	180
Unit 2	3.23	28.73	170	100	160
Unit 3	0.00	12.15	0	0	0
Unit 4	4.33	36.88	191	170	190
Unit 5	7.12	44.90	410	0	350
Total	18.71	154.92			880
Nasik					
Unit 3	4.22	37.83	195	160	190
Unit 4	4.17	37.30	187	164	190
Unit 5	4.21	27.60	188	165	190
Total	12.61	102.73			570
Uran					
All Units	9.37	96.03	471	227	450
Total	9.37	96.03			450
PENCH (MS)					
Pench (MS)	0.89	8.17	53	22	0
Total	0.89	8.17			0
Koyna					
Stage 1-2	2.06	24.13	285	40	520
Stage 4	4.95	44.04	775	0	250
Stage 3	1.58	16.67	238	0	240
Kovna 12&4 Total	7.00	68.16			770

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	8.59	84.84			1010
Hydro					
KDPH	0.19	5.12	20	0	36
VTRNA	0.38	3.89	61	0	61
TILLARI	0.24	2.88	60	0	60
BHTGR/VEER	0.00	0.22	0	0	0
BHIRA T.R.	0.28	2.11	41	0	80
RNGR+BHTSA	0.39	3.62	17	16	9
BHANDARDRA	0.13	3.45	23	0	30
ELDARY	0.28	2.66	22	0	20
SMLHY PTN	0.69	6.99	29	28	10
GHATGHAR	1.21	6.19	250	0	0
Total	3.80	37.12			306
Wind					
MalharPeth	0.43	3.15			
Vankuswadi	0.79	5.20			
ATIT	0.12	0.64			
Kale	0.15	2.17			
Satara	2.98	23.94			
Shirala	0.22	2.25			
K Mahankal	0.02	0.43			
Supa	0.11	0.71			
Vita	0.84	13.03			
Dondaicha	1.08	20.23			
Sakri	0.18	2.74			
Nandurbar	0.10	1.85			
Khandke	0.18	1.54			
Khaparale	0.50	2.66			
Total	7.70	80.54			
CPP					
JSW JAIGAD	26.48	199.10	1129	1037	950
WARDHA	8.13	71.97	347	324	345
Adani	37.87	269.17	1820	1280	1851
Other CPPs	10.56	96.86			245
Total	83.04	637.10			3391
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.58	92.86	503	313	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.39	22.81	115	64	120
Trombay 7B	1.48	13.74	67	50	60
Trombay 8	5.46	48.22	252	184	250
TATA Hydro	4.41	28.89	454	0	447
Total	24.32	206.52			1377
REL					
1&2	11.91	106.14	524	410	500
Total	11.91	106.14			500
Cent Sect					
Share					4616
Total					4616

MS PG CL	Thermal	105.14	863.54			4562
	Thml+Gas	114.51	959.56			5012
	Hydro	12.39	123.80			1316
	Total	126.90	1083.36			6328
State Total		254.75	1890.53			16212

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 09/Oct/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	4346	143	227	4716	425	3623	3717	3370	-750	-903	11253	89	11342	1993	13335	50.05
2	4344	128	243	4715	405	3477	3557	3190	-590	-854	10956	56	11012	1946	12958	50.06
3	4341	128	243	4712	378	3472	3491	3289	-524	-731	11142	56	11198	1817	13015	50.01
4	4353	143	243	4739	398	3481	3454	3281	-487	-704	11217	56	11273	1789	13062	50.09
5	4353	127	301	4781	327	3632	3518	3365	-537	-673	11455	56	11511	1759	13270	50.04
6	4618	132	310	5060	231	3623	3869	4019	-652	-677	12279	57	12336	1812	14148	49.95
7	4625	246	335	5206	187	3627	4077	4295	-735	-726	12612	57	12669	1951	14620	50.10
8	4713	245	340	5298	147	3651	4175	4370	-758	-774	12715	57	12772	2167	14939	50.11
9	4712	627	440	5779	181	3661	4360	4108	-917	-936	12840	57	12897	2388	15285	50.09
10	4574	1238	448	6260	143	3499	4501	3976	-1053	-1158	12770	57	12827	2751	15578	50.02
11	4548	1094	448	6090	181	3387	4557	4053	-1178	-1220	12538	57	12595	2965	15560	50.08
12	4427	1064	447	5938	275	3268	4531	4238	-1152	-1113	12656	57	12713	3019	15732	50.03
13	4395	625	448	5468	356	3297	4493	4203	-1117	-1148	12229	118	12347	3016	15363	50.08
14	4302	678	457	5437	365	3263	4419	4245	-1040	-1108	12226	62	12288	2898	15186	50.09
15	4331	722	456	5509	376	3219	4458	4250	-1052	-1090	12292	61	12353	2941	15294	49.97
16	4328	635	451	5414	363	3208	4471	4094	-1066	-1102	12027	61	12088	2924	15012	49.94
17	4343	398	452	5193	381	3322	4442	3977	-1035	-1183	11740	61	11801	2918	14719	50.00
18	4316	306	426	5048	430	3119	4338	3979	-937	-1171	11452	61	11513	2856	14369	49.87
19	4386	791	405	5582	400	3340	4388	4308	-1017	-1074	12603	61	12664	2928	15592	49.87
20	4421	1158	403	5982	407	3496	4281	4114	-1049	-1180	12865	62	12927	2938	15865	50.03
21	4327	803	456	5586	389	3584	4208	4135	-976	-1095	12649	62	12711	2760	15471	49.99
22	4082	583	458	5123	338	3508	4051	3773	-818	-920	11872	62	11934	2570	14504	50.00
23	4031	257	461	4749	309	3590	4144	4135	-926	-994	11838	62	11900	2439	14339	49.97
24	3923	116	471	4510	307	3694	4040	4138	-824	-1104	11568	62	11630	2320	13950	50.02
MUs	105.14	12.39	9.37	126.90	7.70	83.04	99.54	94.90	-21.19	-23.64	289.79	1.51	291.30	59.86	351.17	50.02

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/Oct/2013

Position as on 6.30 Hrs of 10/Oct/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	
Koyna Unit 11	80	04/06/2013	13.25	09/10/2013	16.40	Rotar Fault.	
Chandrapur Unit 5	500	14/07/2013	00.01		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.	Gas Shortage	
CPP WPCL U-3	135	16/09/2013	21.19		Continued.	ESP Bag filter repl.	
Koradi Unit 5	200	29/09/2013	01:27		Continued.	ID Fan Problem.	
CPP VIPL	300	02/10/2013	00.45		Continued.	Turbine bearing vibration high.	02/11/2013
Khaparkheda Unit 3	210	05/10/2013	22.53		Continued.	Flame failure.	
Cent_Sect Tarapur 1	160	08/10/2013	09.25		Continued.	CTL.	
Uran Unit A0	120	08/10/2013	19.24	09/10/2013	08.14	Due to Apta-HOC-Uran Trip.(Jerk)	
Uran Unit B0	120	08/10/2013	19.24	09/10/2013	03.56	Due to Apta-HOC-Uran Trip.(Jerk)	
Koyna Unit 10	80	09/10/2013	14.50	09/10/2013	19.10	E/W broken and fall on line and GT in S/Yard.	
Koyna Unit 12	80	09/10/2013	14.50	09/10/2013	16.40	E/W broken and fall on line and GT in S/Yard.	
Khaparkheda Unit 5	500	09/10/2013	20.49		Continued.	GTR Prot.Optd.	
Koradi Unit 6	210	10/10/2013	03.45		Continued.	Coal shortage.	

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

Position as on 6.30 Hrs of 10/Oct/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	08/10/2013	16.43		Continued.	Over Voltage.
Lamboti - Solapur (PGCIL)	09/10/2013	00.50	09/10/2013	06.00	Over Voltage.
Dhule-Sar'Sarovar - I	09/10/2013	00.52		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 - Solapur (PGCIL) - I	18/09/2013	17.01		Continued.	Over Voltage
Kolhapur-Solapur(PGCIL)-I	18/09/2013	17.01		Continued.	Over Voltage
Kolhapur-Solapur (PG) II	20/09/2013	17.08		Continued.	Due to Heavy Rains,7 No's of Towers are Damaged.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dabhol - New Koyna - I	26/09/2013	18.50		Continued.	Chattering Noise at Loc.No.47
50 MVAR Reactor on 400 KV Bhusawal - II	30/09/2013	12.55		Continued.	Complete Overhauling and testing work.(For 17 days.)
Chandrapur - Parli - II	03/10/2013	15.16		Continued.	To Cut the E/W from Tension Clamp(Ready for charging 17.47Hrs)
TBC at Khadka	07/10/2013	17.38		Continued.	TBC BKR,B-pole stuck up existing BHEL BKR,to be repl by CGL make due to foundation mismatch.
Bus Coupler @ Kharghar	09/10/2013	06.23	09/10/2013	09.54	Red hot.
400/220 KV 600 MVA ICT-II @ Kalwa	09/10/2013	10.20	09/10/2013	14.03	Taken on TBC, Hot Spot.
400KV Tie Bay(ICT Bay A'bad Ckt I) at Akola	09/10/2013	11.21	09/10/2013	16.35	R.M.& Q.M.Work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Mahad-Pasco	06/10/2013	12.06		Continued.	Replacement of Metering CT @ POSCO End, & Bunching of Line, for 5 Day. & Bypaased POSCO @ 1709.
Nagothane-PASCO	06/10/2013	12.10		Continued.	Replacement of Metering CT @ POSCO End, & Bunching of Line, for 5 Day. & Bypaased POSCO @ 1709.
Chikhali - Jalna - I	07/10/2013	10.35		Continued.	Rectification work.Jumper nut bolt tightening,Vibration damper tightening.Step bolt tightening.
Chikhali - Jalna - II	07/10/2013	10.35		Continued.	Rectification work.Jumper nut bolt tightening,Vibration damper tightening.Step bolt tightening.
Chalisgaon-Khadka I	07/10/2013	11.29		Continued.	Modification of existing Khadka-Chalisgaon line.
Chalisgaon-Khadka II	07/10/2013	11.37		Continued.	Modification of existing Khadka-Chalisgaon line.
220/132 KV 200 MVA ICT - I @ Nasik OCR	09/10/2013	09.01	09/10/2013	15.17	Testing work.
Lamboti-Bale-II	09/10/2013	09.22	09/10/2013	15.34	Q.M.Work
Bhigwan-Baramati agro	09/10/2013	10.22	09/10/2013	18.00	Repl.of insulator.
Lamboti-Bale-I	09/10/2013	15.49	09/10/2013	22.38	Q.M.Work
Kalwa-Salsatt - II	10/10/2013	01.00	10/10/2013	02.58	Attend red hot spot at Kalwa gantry.

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

Position as on 6.30 Hrs of 10/Oct/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Theur - Jejuri	10/10/2013	06.00		Continued.	Maint.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
Bhusawal- Aurangabad	03/09/2013	08.40		Continued.	Over Voltage.
Deepnagar-Aurangabad-I	07/09/2013	22.56		Continued.	Over Voltage.
Dabhol-Nagothane - II	28/09/2013	21:34		Continued.	Over Voltage.
Bhusawal - Deepnagar - II	01/10/2013	06.25		Continued.	Over Voltage.
Karad - Newkoyna - I	04/10/2013	17.02		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.
Vita - Lamboti	09/10/2013	06.02		Continued.	To control L/L.
Voltage Level : 400KV			Outage Type TRIPPED		
Karad-Kolhapur-II	09/10/2013	03.54	09/10/2013	07.40	Over Voltage.
Karad - Kolhapur - II	10/10/2013	03.07		Continued.	Over Voltage.
Koradi - II - Indiabull	10/10/2013	04.02		Continued.	Over Voltage.
Koradi - New Koradi	10/10/2013	04.02		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
Miraj -Ichalkarajni	26/09/2013	22.00		Continued.	Over Load
Apta-HOC	08/10/2013	19.24	09/10/2013	14.00	Y-Ph check meter CT & PT main meter B-Ph CT,WT Decoil.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 10/Oct/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	0
Unit 7	210	85
	620	85
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	120
Unit 5	210	145
Unit 6	250	165
Unit 7	250	165
	1130	595
Chandrapur		
Unit 1	210	120
Unit 2	210	130
Unit 3	210	110
Unit 4	210	150
Unit 5	500	0
Unit 6	500	400
Unit 7	500	350
	2340	1260
Paras		
Unit 3	250	140
Unit 4	250	160
	500	300
Khaparkheda		
Unit 1	210	180
Unit 2	210	160
Unit 3	210	0
Unit 4	210	190
Unit 5	500	0
	1340	530
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
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	18
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	17
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	196
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	1055
WARDHA	405	345
Adani	1320	1851
Other CPPs	300	245
	3225	3496
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	4695
	3455	4695