



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

State Load Dispatch Center, Airoli

Daily system Report

for

11/Oct/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 11/Oct/2013 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	91.363	1046.931	1) Gujrat	12.324	136.684
2) Hydro	6.897	142.758	2) Madhya Pradesh	17.304	198.882
3) Gas	11.020	118.302	3) Chattisgarh	9.290	99.730
Total MSGENCO	109.280	1307.991	4) Maharashtra	64.860	701.360
B) 1) JSW JAIGAD	24.180	246.146	5) Goa	-5.688	-59.310
2) WPCL	8.189	88.311	6) TAPS 1&2 Injection	3.867	60.441
3) ADANI	37.790	349.200	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	10.948	118.035	8) Pench (Excess)	-0.883	-9.836
5) Wind Generation	9.972	97.736	# Total Cent. Sector	101.074	1127.951
6) PENCH (MS)	0.883	9.836	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-22.440	-252.406
1) TPCL Thermal	20.370	218.192	G) Bilateral Power *		
2) TPCL Hydro	3.728	36.781	1) MSEDCL Bilateral	23.529	270.381
TOTAL TPCL	24.098	254.973	Include PX	-1.781	-1.781
3) REL Thermal	11.878	129.844	2) MUMBAI Bilateral	17.738	216.397
D) STATE			Include PX	3.990	56.511
1) Thermal (A1+C1+C3)	123.611	1394.967	3) MUMBAI Schedule	17.738	216.557
2) Hydro (A2+B5+C2)	11.508	189.375	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.020	118.302	1) MSEDCL	279.876	3092.800
4) Wind (B4)	9.972	97.736	2) TPCL	37.964	411.430
5) CPP (B1+B2+B3)	81.107	490.282	3) REL	20.450	225.777
TOTAL STATE	237.218	2290.662	TOTAL STATE	338.290	3730.007

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	3673	4091	3608
MSGENCO Hydro	646	415	83
MSGENCO Gas	474	443	453
MSGENCO Total Generation	4793	4949	4144
Central Sector Receipt	4865	4344	3666
WIND	325	654	322
CPP / IPP	3518	3480	3281
Exchange with Mumbai	-1171	-1109	-684
MSEDCL DEMAND MET	12351	12341	10769
Load Shedding	53	52	53
MSEDCL DEMAND	12404	12393	10822
TPCL GENERATION	1228	1249	687
R-INFRA GENERATION	521	518	412
TPCL+R-INFRA DEMAND	2920	2876	1783
STATE DEMAND MET	15271	15217	12552
STATE DEMAND	15324	15269	12605
Frequency (Hz)	50.17	50.12	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.61 Hz at 07.59 Hrs	49.67 Hz at 00.45 Hrs	50.1	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 11/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	2.30	29.98	158	0	0
Unit 7	2.82	25.95	160	0	160
Total	5.11	55.92			160
Bhusawal					
Unit 2	2.76	24.22	140	9	140
Unit 3	3.06	34.00	150	120	140
Unit 4	3.60	66.24	285	0	323
Unit 5	5.03	50.44	255	180	0
Total	14.45	174.90			603
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.63	36.14	163	132	160
Unit 5	3.82	38.08	172	135	160
Unit 6	3.78	45.85	178	66	175
Unit 7	3.98	45.17	178	134	175
Total	15.22	165.24			670
Chandrapur					
Unit 1	2.51	30.60	126	75	100
Unit 2	2.45	31.85	130	62	100
Unit 3	2.55	20.57	147	82	120
Unit 4	2.72	28.69	142	88	120
Unit 5	0.00	0.00	0	0	0
Unit 6	7.92	79.45	400	250	350
Unit 7	7.12	75.10	385	224	280
Total	25.28	266.26			1070
Paras					
Unit 3	3.37	38.16	218	0	0
Unit 4	5.03	42.62	248	173	220
Total	8.40	80.78			220
Khaparkheda					
Unit 1	3.22	39.17	160	110	180
Unit 2	3.48	35.50	160	120	160
Unit 3	0.00	12.15	0	0	0
Unit 4	4.28	45.38	191	171	190
Unit 5	0.00	44.90	0	0	0
Total	10.98	177.09			530
Nasik					
Unit 3	3.94	45.80	180	150	190
Unit 4	3.94	45.20	176	145	190
Unit 5	4.06	35.75	185	152	190
Total	11.93	126.75			570
Uran					
All Units	11.02	118.30	476	441	450
Total	11.02	118.30			450
PENCH (MS)					
Pench (MS)	0.88	9.84	55	20	
Total	0.88	9.84			
Koyna					
Stage 1-2	1.88	28.92	290	40	600
Stage 4	2.38	51.66	508	0	250
Stage 3	0.63	18.93	160	0	320
Kovna 12&4 Total	4.26	80.58			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	4.89	99.51			1170
Hydro					
KDPH	0.00	5.12	0	0	0
VTRNA	0.00	3.89	0	0	0
TILLARI	0.25	3.36	59	0	60
BHTGR/VEER	0.00	0.22	0	0	0
BHIRA T.R.	0.28	2.75	41	0	40
RNGR+BHTSA	0.42	4.43	18	17	17
BHANDARDRA	0.21	4.00	9	8	28
ELDARY	0.29	2.95	22	0	0
SMLHY PTN	0.31	7.73	13	13	0
GHATGHAR	0.26	6.96	125	0	0
Total	2.01	41.41			145
Wind					
MalharPeth	0.49	4.03			
Vankuswadi	0.95	6.97			
ATIT	0.10	0.82			
Kale	0.30	2.71			
Satara	3.36	30.11			
Shirala	0.26	2.75			
K Mahankal	0.06	0.52			
Supa	0.00	0.77			
Vita	1.94	16.04			
Dondaicha	1.52	22.61			
Sakri	0.29	3.18			
Nandurbar	0.14	2.08			
Khandke	0.20	1.80			
Khaparale	0.33	3.34			
Total	9.97	97.74			
CPP					
JSW JAIGAD	24.18	246.15	1167	867	1055
WARDHA	8.19	88.31	355	332	345
Adani	37.79	349.20	1820	1280	1851
Other CPPs	10.95	118.04			245
Total	81.11	801.69			3496
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.66	114.49	500	316	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.62	27.68	120	84	120
Trombay 7B	1.55	16.72	68	57	60
Trombay 8	5.54	59.30	254	185	250
TATA Hydro	3.73	36.78	355	0	447
Total	24.10	254.97			1377
REL					
1&2	11.88	129.84	523	411	500
Total	11.88	129.84			500
Cent Sect					
Share					4639
Total					4639

MS PG CL	Thermal	91.36	1046.93			3823
	Thml+Gas	102.38	1165.23			4273
	Hydro	6.90	142.76			1315
	Total	109.28	1307.99			5588
State Total		237.22	2290.66			15600

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 11/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	3669	78	454	4201	326	3482	3872	3873	-714	-974	10948	79	11027	2095	13122	49.92
2	3608	78	453	4139	343	3324	3779	3877	-621	-770	10966	53	11019	1883	12902	49.99
3	3608	83	453	4144	322	3281	3654	3666	-495	-684	10769	53	10822	1783	12605	50.01
4	3551	83	454	4088	330	3273	3637	3890	-478	-618	11008	53	11061	1716	12777	49.98
5	3354	113	454	3921	357	3460	3630	4053	-471	-612	11230	53	11283	1707	12990	50.01
6	3465	345	459	4269	380	3648	3891	3945	-611	-624	11670	53	11723	1795	13518	49.88
7	3583	313	470	4366	357	3733	4014	4538	-723	-696	12350	53	12403	1929	14332	50.14
8	3722	298	469	4489	385	3680	4070	4507	-743	-708	12405	53	12458	2067	14525	50.31
9	3841	291	471	4603	341	3694	4300	4706	-796	-905	12479	53	12532	2358	14890	50.28
10	3718	397	470	4585	362	3624	4444	4754	-911	-1134	12212	53	12265	2690	14955	50.28
11	3673	646	474	4793	325	3518	4649	4865	-948	-1171	12351	53	12404	2920	15324	50.17
12	3838	762	476	5076	289	3344	4623	4570	-899	-1195	12104	53	12157	2998	15155	50.26
13	3911	571	472	4954	212	3266	4593	4276	-870	-1194	11535	105	11640	2966	14606	50.22
14	4018	334	454	4806	281	3276	4495	4226	-800	-1113	11500	52	11552	2796	14348	50.20
15	4049	342	465	4856	297	3143	4513	4308	-812	-1103	11554	52	11606	2795	14401	50.06
16	3943	294	457	4694	465	2995	4489	4287	-788	-1057	11439	52	11491	2783	14274	49.68
17	3930	150	451	4531	468	2971	4333	4135	-713	-1040	11087	52	11139	2796	13935	50.05
18	3882	142	454	4478	509	2943	4145	4224	-664	-1158	11045	52	11097	2775	13872	50.02
19	3989	534	449	4972	612	3220	4463	4662	-808	-1157	12332	52	12384	2866	15250	49.98
20	4091	415	443	4949	654	3480	4440	4344	-918	-1109	12341	52	12393	2876	15269	50.12
21	4044	200	441	4685	704	3551	4233	4142	-830	-1027	12079	52	12131	2717	14848	50.26
22	4044	138	442	4624	577	3533	3855	3660	-743	-892	11528	52	11580	2536	14116	50.22
23	4003	195	464	4662	506	3374	3772	3798	-716	-746	11620	52	11672	2360	14032	50.03
24	3829	95	471	4395	570	3294	3771	3768	-667	-753	11324	52	11376	2209	13585	50.25
MUs	91.36	6.90	11.02	109.28	9.97	81.11	99.66	101.07	-17.74	-22.44	279.88	1.34	281.22	58.42	339.63	50.10

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 11/Oct/2013

Position as on 6.30 Hrs of 12/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	
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
Uran Unit 5	108	05/10/2013	07.26		Continued.	Gas Shortage	
Khaparkheda Unit 3	210	05/10/2013	22.53		Continued.	Flame failure.	
Cent_Sect Tarapur 1	160	08/10/2013	09.25		Continued.	CTL.	
Khaparkheda Unit 5	500	09/10/2013	20.49		Continued.	GTR Prot.Optd.	
Koradi Unit 6	210	10/10/2013	03.45	11/10/2013	06.35	Coal shortage.	
Paras Unit 3	250	11/10/2013	03.36	11/10/2013	06.55	Furnace Pressure High	
Koradi Unit 7	210	11/10/2013	08.40	11/10/2013	13.33	Coal Feeder Speed Gear problem	
Bhusawal Unit 2	210	11/10/2013	09.38	11/10/2013	10.52	Flame Failure	
Bhusawal Unit 4	500	11/10/2013	14.16		Continued.	Economiser Tube Leakage	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 11/Oct/2013

Position as on 6.30 Hrs of 12/Oct/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dhule - S'Sarovar- II	10/10/2013	13.24		Continued.	Replacement of Insulator,ready for charging 16.45Hrs.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - II	10/10/2013	16.37	11/10/2013	10.57	Over Voltage
Chandrapur-Bhadravti - I	11/10/2013	01.40		Continued.	Over Voltage(H/T by WRLDC)
Kolhapur - Mapusa - I	11/10/2013	16.38		Continued.	Over Voltage
Solapur-Solapur(PGCIL)	11/10/2013	20.46	12/10/2013	06.24	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.	Chatering 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.
Padghe-BBLSR-I	11/10/2013	10.36	11/10/2013	14.47	Replacement of String
400/220KV 315MVA ICT-II @ Aurangabad.	11/10/2013	12.55	11/10/2013	17.30	OLTC Oil replacement
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Chikhali - Jalna - I	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.
Main Bus - I at Shivajinagar	11/10/2013	07.10	11/10/2013	10.00	Connecting Main Bus-I by connect Jumpers
220/132 KV 200 MVA ICT-II @ Boiser	11/10/2013	08.26	11/10/2013	11.20	Hot Spot
220/132KV,200 MVA ICT-II at Malegaon	11/10/2013	09.22	11/10/2013	17.30	Q.M.Work
Padgha-Kamba	11/10/2013	09.37	11/10/2013	17.20	Jumper Replacement
Padgha-Vasai	11/10/2013	09.42	11/10/2013	18.18	Line Maint.work
Koradi - Ambazari - II	11/10/2013	10.11	11/10/2013	16.25	Replacement of Damaged Jumper
Pophali - KDPH	11/10/2013	11.05	11/10/2013	17.55	Replacement of Insulator String
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA	12/07/2012	07.11		Continued.	Main Buchholz prot.operated

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 11/Oct/2013

Position as on 6.30 Hrs of 12/Oct/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Spare Unit @ Koradi					
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	11/10/2013	13.07	Over Voltage.
Karad - Newkoyna - I	04/10/2013	17.02		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	12/10/2013	01.30	12/10/2013	06.22	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		
Koradi - II - Indiabull	10/10/2013	04.02		Continued.	Over Voltage.
Koradi - New Koradi	10/10/2013	04.02		Continued.	Over Voltage.
Warora-Chandrapur- II, Ckt II	11/10/2013	15.27	11/10/2013	17.03	Pole Discrepancy Breaker
Karad-Kolhapur-II	12/10/2013	04.00		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

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 12/Oct/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	140
Unit 7	210	160
	620	300
Bhusawal		
Unit 2	210	140
Unit 3	210	140
Unit 4	500	0
Unit 5	500	
	1420	280
Parli		
Unit 3	210	0
Unit 4	210	100
Unit 5	210	100
Unit 6	250	170
Unit 7	250	150
	1130	520
Chandrapur		
Unit 1	210	130
Unit 2	210	120
Unit 3	210	130
Unit 4	210	150
Unit 5	500	0
Unit 6	500	325
Unit 7	500	300
	2340	1155
Paras		
Unit 3	250	220
Unit 4	250	230
	500	450
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	320
	1920	1170
Hydro		
KDPH	40	0
VTRNA	60	28

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	11
BHANDARDRA	45	28
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	167
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	236
	3225	3487
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	4527
	3455	4527