



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

State Load Dispatch Center, Airoli

Daily system Report

for

11/Oct/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 11/Oct/2014 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	109.734	1199.157	1) Gujrat	1.991	88.123
2) Hydro	6.864	146.348	2) Madhya Pradesh	20.079	240.771
3) Gas	10.241	113.453	3) Chattisgarh	10.890	105.740
Total MSGENCO	126.839	1458.958	4) Maharashtra Net	129.331	1284.721
B) 1) JSW JAIGAD	27.892	304.134	(Incl. 765kV Solapur-Raichur)	3.810	-81.181
2) WPCL	7.742	61.020	5) Goa	-7.497	-80.112
3) ADANI	42.090	431.890	6) TAPS 1&2 Injection	7.026	78.132
4) Other CPP / IPP	13.931	166.888	7) RGPPL Injection	0.000	0.000
5) Wind Generation	7.216	38.268	8) Pench (Excess)	-0.981	-10.521
6) PENCH (MS)	0.981	10.521	# Total Cent. Sector	160.839	1706.854
7) SOLAR	1.005	11.306	F) Other Exchanges		
C) 1) TPCL Thermal	19.959	217.817	1) With TPCL (Excess)	-26.667	-279.193
2) TPCL Hydro	3.171	41.946	G) Bilateral Power *		
TOTAL TPCL	23.130	259.763	1) MSEDCL Bilateral	70.007	636.619
3) REL Thermal	12.510	126.217	Include PX	32.147	258.561
D) STATE			2) MUMBAI Bilateral	24.718	262.971
1) Thermal (A1+C1+C3)	142.203	1543.191	Include PX	5.614	51.016
2) Hydro (A2+B6+C2)	11.016	198.815	3) MUMBAI Schedule	24.718	270.039
3) Gas (A3)	10.241	113.453	H) ENERGY CATERED (MUs)		
4) Wind (B5)	7.216	38.268	1) MSEDCL	361.868	3910.646
5) CPP/IPP (B1+B2+B3+B4)	91.655	963.932	2) TPCL	38.986	418.006
6) SOLAR (B7)	1.005	11.306	3) REL	23.321	247.188
TOTAL STATE	263.336	2868.965	TOTAL STATE	424.175	4575.840

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 14 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4775	5559	4577
MSGENCO Hydro	440	162	58
MSGENCO Gas	421	410	434
MSGENCO Total Generation	5636	6131	5069
Central Sector Receipt	7766	7397	5772
WIND	434	309	300
CPP / IPP	3788	3916	3918
SOLAR	133	141	0
Exchange with Mumbai	-1296	-1466	-606
MSEDCL DEMAND MET	16509	16475	14493
Load Shedding	486	439	51
MSEDCL DEMAND	16995	16914	14544
TPCL GENERATION	1237	1005	832
R-INFRA GENERATION	520	522	524
TPCL+R-INFRA DEMAND	3053	2993	1962
STATE DEMAND MET	19562	19468	16455
STATE DEMAND	20048	19907	16506
Frequency (Hz)	49.95	49.98	49.87

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.17 Hz at 18:01 Hrs	49.63 Hz at 09:08 Hrs	49.92	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/2014

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	1.79	26.01	155	0	0
Unit 7	3.55	34.39	160	134	140
Total	5.34	60.40			140
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.08	21.28	140	120	140
Unit 4	5.24	46.91	470	0	350
Unit 5	8.52	88.63	500	310	320
Total	16.86	156.82			810
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.46	33.04	160	130	135
Unit 5	0.00	21.60	0	0	0
Unit 6	4.35	50.78	187	160	182
Unit 7	4.28	50.66	187	166	170
Total	12.08	156.09			487
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.56	33.50	154	137	150
Unit 3	4.04	39.79	174	160	180
Unit 4	4.62	48.43	202	160	200
Unit 5	7.32	93.68	420	194	300
Unit 6	7.12	86.91	370	207	300
Unit 7	7.26	86.76	376	225	350
Total	33.92	389.08			1480
Paras					
Unit 3	4.39	48.26	226	166	250
Unit 4	4.38	46.60	225	168	250
Total	8.77	94.86			500
Khaparkheda					
Unit 1	3.55	38.50	180	135	153
Unit 2	3.48	31.46	160	135	153
Unit 3	3.82	42.42	212	145	153
Unit 4	3.67	32.74	200	140	153
Unit 5	9.47	94.82	485	350	376
Total	23.98	239.94			988
Nasik					
Unit 3	4.44	45.64	200	175	190
Unit 4	4.33	16.23	191	170	190
Unit 5	0.00	40.10	0	0	0
Total	8.78	101.98			380
Uran					
All Units	10.24	113.45	441	408	460
Total	10.24	113.45			460
PENCH (MS)					
Pench (MS)	0.98	10.52	50	24	0
Total	0.98	10.52			0
Koyna					
Stage 1-2	2.28	45.14	370	25	530
Stage 4	1.26	62.04	686	0	250
Stage 3	0.78	23.33	108	0	240
Kovna 12&4 Total	3.54	107.18			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	4.32	130.52			1020
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.91	2.69	61	0	61
TILLARI	0.00	0.55	0	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.32	3.38	80	0	80
RNGR+BHTSA	0.00	1.41	0	0	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.33	2.02	15	11	15
SMLHY PTN	0.16	1.22	14	3	10
GHATGHAR	0.83	4.56	261	0	0
Total	2.55	15.83			181
Wind					
MalharPeth	0.16	1.05			
Vankuswadi	0.32	2.02			
ATIT	0.06	0.25			
Kale	0.11	0.82			
Satara	3.96	21.58			
Shirala	0.18	1.14			
K Mahankal	0.02	0.10			
Supa	0.14	0.83			
Vita	0.78	3.55			
Dondaicha	0.37	2.67			
Sakri	0.08	0.50			
Nandurbar	0.34	1.04			
Khandke	0.48	1.71			
Khaparale	0.22	1.01			
Total	7.22	38.27			
CPP					
JSW JAIGAD	27.89	304.13	1187	1000	1075
WARDHA	7.74	61.02	330	294	355
Adani	42.09	431.89	1840	1600	1234
Other CPPs	13.93	166.89			528
Total	91.66	963.93			3192
SOLAR					
Total	1.00	11.31			
Total	1.00	11.31			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.87	128.98	500	466	500
Trombay 6	3.73	41.03	156	155	500
Trombay 7A	2.76	30.24	116	114	120
Trombay 7B	1.60	17.56	67	66	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	3.17	41.95	400	0	447
Total	23.13	259.76			1627
REL					
1&2	12.51	126.22	524	518	500
Total	12.51	126.22			500
Cent Sect					
Share					7228
Total					7228
MS PG CL	Thermal	109.73	1199.16		4785
	Thml+Gas	119.98	1312.61		5245
	Hydro	6.86	146.35		1201
	Total	126.84	1458.96		6446
State Total		263.34	2868.96		18993

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 11/Oct/2014

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	SOLAR	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDI NG	MSEDCL DEM. WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS														
1	4614	63	434	5111	200	3883	0	6031	6198	-896	-1034	14405	79	14484	2388	16872	49.93
2	4619	58	433	5110	214	3923	0	5896	6113	-751	-854	14553	51	14604	2182	16786	49.81
3	4620	58	434	5112	264	3900	0	5829	5933	-685	-691	14565	51	14616	2041	16657	49.78
4	4577	58	434	5069	300	3918	0	5798	5772	-640	-606	14493	51	14544	1962	16506	49.87
5	4554	68	437	5059	349	3901	0	5826	5999	-615	-579	14762	51	14813	1930	16743	49.85
6	4614	68	438	5120	350	3936	0	6687	6399	-623	-637	15192	184	15376	1987	17363	49.93
7	4625	63	441	5129	373	3927	0	6778	6762	-668	-619	15596	396	15992	2040	18032	49.92
8	4668	89	441	5198	310	3954	24	6312	5933	-717	-768	14684	451	15135	2124	17259	49.98
9	4619	129	440	5188	296	3623	68	6538	5861	-910	-980	14096	377	14473	2335	16808	49.91
10	4570	172	422	5164	320	3507	93	6679	7284	-1059	-1117	15298	381	15679	2672	18351	49.81
11	4565	191	418	5174	352	3616	145	7285	7159	-1302	-1366	15120	442	15562	2926	18488	49.89
12	4775	440	421	5636	434	3788	133	7336	7766	-1355	-1296	16509	486	16995	3053	20048	49.95
13	5496	269	408	6173	391	3867	141	7301	7147	-1343	-1419	16340	545	16885	3065	19950	49.94
14	5559	162	410	6131	309	3916	141	7238	7397	-1275	-1466	16475	439	16914	2993	19907	49.98
15	5160	578	415	6153	259	3836	126	7268	7331	-1301	-1402	16350	293	16643	3058	19701	49.95
16	4670	1088	416	6174	216	3849	83	7296	6974	-1330	-1453	15893	322	16215	3077	19292	49.98
17	4419	433	418	5270	240	3834	43	7174	7606	-1297	-1451	15589	404	15993	3034	19027	49.92
18	4354	270	422	5046	224	3853	8	6829	6988	-1253	-1448	14711	364	15075	2928	18003	49.93
19	4280	389	422	5091	224	3820	0	6835	6972	-1246	-1339	14808	135	14943	2919	17862	49.92
20	4119	599	422	5140	233	3819	0	7137	7297	-1172	-1271	15258	87	15345	2920	18265	49.95
21	4057	487	424	4968	268	3792	0	7045	7092	-1133	-1240	14907	77	14984	2829	17813	49.99
22	4082	426	429	4937	302	3767	0	6658	6462	-1085	-1203	14305	65	14370	2685	17055	50.01
23	4079	198	431	4708	380	3693	0	6479	6299	-1069	-1261	13865	62	13927	2611	16538	49.98
24	4039	508	431	4978	408	3733	0	6044	6095	-994	-1167	14094	60	14154	2548	16702	49.92
MUs	109.73	6.86	10.24	126.84	7.22	91.66	1.00	160.30	160.84	-24.72	-26.67	361.87	5.85	367.72	62.31	430.03	49.92

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/2014

Position as on 6.30 Hrs of 12/Oct/2014

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	23/09/2014	02.30		Continued.	Stator Earth Fault	
FORCED OUTAGE							
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Dabhol 3A	230	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	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
Tata Trombay 8	250	09/01/2014	22.54		Continued.	Emergency H/T,Fire at turbine track.	
CPP WPCL U-2	135	18/02/2014	00.02		Continued.	Ash Conveying problem	
CPP Dhariwal	300	28/05/2014	02.27		Continued.	PA Fan Vibration Problem. (U-1).	
Koradi Unit 5	200	17/06/2014	11.53		Continued.	economic shutdown	
Chandrapur Unit 1	210	28/08/2014	07.15		Continued.	economic shutdown	
Uran Unit 8	108	04/09/2014	19.33		Continued.	Gas Shortage	
Bhusawal Unit 2	210	13/09/2014	12.43		Continued.	Economic shutdown	
CPP Adani U-2	660	15/09/2014	11.28		Continued.	GT Blast(fire on Y-Ph).	
CPP IPL U-2	270	01/10/2014	08.10		Continued.	Coal Shortage	
CPP VIPL U-2	300	05/10/2014	00.30		Continued.	CHP coal feeding prob.	
Parli Unit 5	210	07/10/2014	00:26		Continued.	Coal Shortage.	
CPP Adani U1	660	08/10/2014	18.48		Continued.	Boiler Tube Leakage	
Koradi Unit 6	210	09/10/2014	22.51	11/10/2014	10.40	Boiler Tube Leakage	
Nasik Unit 5	210	10/10/2014	19.45		Continued.	BTL	
Bhusawal Unit 4	500	11/10/2014	14.21		Continued.	BTL	
Chandrapur Unit 7	500	12/10/2014	01.33	12/10/2014	05.16	Electric hydro controler fail	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 11/Oct/2014

Position as on 6.30 Hrs of 12/Oct/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - II	10/10/2014	23.42	11/10/2014	09.20	over voltage
Dhule-Khandwa-II	11/10/2014	04.39	11/10/2014	04.58	Taking line reactor out
Kolhapur-Mapusa-II	11/10/2014	17.57	12/10/2014	10.48	over voltage
Kolhapur - Mapusa - I	12/10/2014	16.10		Continued.	over voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 500MVA ,GT-5 at Deepnagar	22/09/2014	10.50		Continued.	Repl.damaged poles of main CB pole.
Karad - Lonikand	09/10/2014	15.44	11/10/2014	11.14	Relay retrofitting work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
BBLSR-Waluj	06/10/2014	17:13		Continued.	To Attend Hot Spot on Y-ph CT.(Ready for Charging.)
Pedambe - Adlab	11/10/2014	08.30	11/10/2014	15.55	Attending Hot Spot on R-ph CT Clamp.
Ghodbunder @ bus coupler	11/10/2014	09.45	11/10/2014	15.48	Annual Bay & equip.maintance
Ghatghar-Bappaon	11/10/2014	10.00	11/10/2014	16.40	Replacement work
Bus Section - I @ Pophali	11/10/2014	10.45	11/10/2014	15.40	P.M.WORK
Sonkhar-Trombay	12/10/2014	12.30	12/10/2014	16.48	Line jumper Replacement work
Borivali-Ghodbandar	12/10/2014	17.05	12/10/2014	19.46	Attend hot spot on R-ph bottom jumper Nut bolt
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kolshet-Vasai	08/10/2014	10.40	12/10/2014	22.06	Erection work at vasai
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - II	10/10/2014	14.55	11/10/2014	12.53	over voltage
Bhusawal- Aurangabad	10/10/2014	23.34	11/10/2014	11.01	over voltage
Karad-Kolhapur-II	11/10/2014	16.38	12/10/2014	10.08	over voltage
Bhusawal- Aurangabad	11/10/2014	22.00	12/10/2014	05.33	over voltage
Karad - Kolhapur - I	12/10/2014	16.00		Continued.	over voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Karad-Jaigad I	10/10/2014	16.17	11/10/2014	08.55	Distance protection
400/220KV,500MVA ICT-III At Kalwa.	12/10/2014	04.57	12/10/2014	19.44	LV side B ph CT burst
400/220KV 500 MVA ICT I at Kalwa	12/10/2014	04.57	12/10/2014	06.27	Bus bar protection operate
Dhule - Babhaleshwar - I	12/10/2014	13.45	12/10/2014	14.11	Tripped from bblr end only
Voltage Level : 220KV			Outage Type TRIPPED		
220/110KV 200MVA ICT-III at Borivali	21/09/2014	09.16		Continued.	monkey fault
Borivali - Salset - I	04/10/2014	17.20		Continued.	Cable Fault At Borivali.
Aarey - Saki - I	11/10/2014	12.39		Continued.	Distance protection
Aarey - Borivali	11/10/2014	12.39	11/10/2014	12.45	Distance protection
Parli-Usmanabad	11/10/2014	13.19	11/10/2014	14.41	Distance protection
Kalwa - Borivali	12/10/2014	04.55	12/10/2014	05.11	Distance protection
Kalwa-Mulund II	12/10/2014	04.57	12/10/2014	06.51	bus bar protection operated
Kalwa - Salshet - IV	12/10/2014	04.57	12/10/2014	06.34	bus bar protection operated

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 11/Oct/2014

Position as on 6.30 Hrs of 12/Oct/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Bus Coupler at Kalwa	12/10/2014	04.57	12/10/2014	06.03	bus bar protection operated
Kalwa - Bapgaon	12/10/2014	04.57	12/10/2014	06.46	bus bar protection operated
Kalwa- salsett 6	12/10/2014	04.57	12/10/2014	06.33	bus bar protection operated
Kalwa - Siemens	12/10/2014	04.57	12/10/2014	06.59	bus bar protection operated
Chikhali - Jalna - I	12/10/2014	15.55		Continued.	Distance protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 12/Oct/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	141
Unit 7	210	145
	620	286
Bhusawal		
Unit 2	210	0
Unit 3	210	140
Unit 4	500	0
Unit 5	500	320
	1420	460
Parli		
Unit 3	210	0
Unit 4	210	135
Unit 5	210	0
Unit 6	250	165
Unit 7	250	165
	1130	465
Chandrapur		
Unit 1	210	0
Unit 2	210	150
Unit 3	210	180
Unit 4	210	210
Unit 5	500	200
Unit 6	500	200
Unit 7	500	230
	2340	1170
Paras		
Unit 3	250	180
Unit 4	250	180
	500	360
Khaparkheda		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	170
Unit 4	210	170
Unit 5	500	400
	1340	1080
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	0
	630	380
Uran		
All Units	852	450
	852	450
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	240
	1920	1020
Hydro		
KDPH	40	
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	
BHTGR/VEER	21	
BHIRA T.R.	80	80
RNGR+BHTSA	20	
BHANDARDRA	45	
ELDARY	23	15
SMLHY PTN	12	25
GHATGHAR	250	
	611	181
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	1075
WARDHA	405	370
Adani	2640	1823
Other CPPs	300	518
	4545	3786
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	6901
	3455	6901