



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

State Load Dispatch Center, Airoli

Daily system Report

for

10/Nov/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 10/Nov/2013 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	93.793	1011.796	1) Gujrat	16.697	141.223
2) Hydro	12.430	108.037	2) Madhya Pradesh	15.492	172.480
3) Gas	6.842	96.188	3) Chattisgarh	11.780	112.960
Total MSGENCO	113.065	1216.021	4) Maharashtra	82.390	766.647
B) 1) JSW JAIGAD	17.353	180.877	5) Goa	-4.794	-54.676
2) WPCL	5.346	52.245	6) TAPS 1&2 Injection	7.514	74.992
3) ADANI	36.190	338.140	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	9.997	83.296	8) Pench (Excess)	-0.723	-3.963
5) Wind Generation	5.031	34.973	# Total Cent. Sector	128.356	1209.663
6) PENCH (MS)	0.723	3.963	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-19.443	-201.259
1) TPCL Thermal	19.080	189.993	G) Bilateral Power *		
2) TPCL Hydro	1.598	33.467	1) MSEDCL Bilateral	29.143	305.262
TOTAL TPCL	20.678	223.460	Include PX	4.520	34.248
3) REL Thermal	6.270	104.956	2) MUMBAI Bilateral	19.282	183.873
D) STATE			Include PX	10.874	76.652
1) Thermal (A1+C1+C3)	119.143	1306.745	3) MUMBAI Schedule	19.282	184.325
2) Hydro (A2+B5+C2)	14.751	145.467	H) ENERGY CATERED (MUs)		
3) Gas (A3)	6.842	96.188	1) MSEDCL	296.618	2917.919
4) Wind (B4)	5.031	34.973	2) TPCL	30.186	343.128
5) CPP (B1+B2+B3)	68.886	352.608	3) REL	16.203	186.274
TOTAL STATE	214.653	1935.981	TOTAL STATE	343.007	3447.321

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	3961	4000	3690
MSGENCO Hydro	1146	781	201
MSGENCO Gas	267	289	285
MSGENCO Total Generation	5374	5070	4176
Central Sector Receipt	5467	5336	5409
WIND	327	95	278
CPP / IPP	3243	3161	2259
Exchange with Mumbai	-771	-739	-789
MSEDCL DEMAND MET	13692	12970	11333
Load Shedding	827	632	79
MSEDCL DEMAND	14519	13602	11412
TPCL GENERATION	982	926	674
R-INFRA GENERATION	263	262	238
TPCL+R-INFRA DEMAND	2016	1927	1701
STATE DEMAND MET	15708	14897	13034
STATE DEMAND	16535	15529	13113
Frequency (Hz)	49.96	50.10	50.07

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.36 Hz at 16.59 Hrs	49.69 Hz at 07.48 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 10/Nov/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	20.30	0	0	0
Unit 6	3.69	27.06	171	128	156
Unit 7	4.22	35.72	190	155	182
Total	7.91	83.08			338
Bhusawal					
Unit 2	3.40	36.44	165	120	120
Unit 3	3.50	35.95	170	115	130
Unit 4	6.00	57.72	290	225	245
Unit 5	0.00	0.00	0	0	
Total	12.90	130.12			495
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.74	34.88	172	143	154
Unit 5	3.47	35.57	158	112	136
Unit 6	0.00	17.43	0	0	0
Unit 7	0.00	20.35	0	0	0
Total	7.21	108.23			290
Chandrapur					
Unit 1	3.22	17.12	149	113	130
Unit 2	3.31	28.84	151	117	130
Unit 3	3.12	30.34	153	101	130
Unit 4	0.00	27.82	0	0	0
Unit 5	0.00	0.00	0	0	0
Unit 6	7.35	89.70	430	190	270
Unit 7	6.37	80.75	312	194	250
Total	23.37	274.57			910
Paras					
Unit 3	3.72	39.90	194	97	200
Unit 4	5.17	48.39	248	196	230
Total	8.89	88.29			430
Khaparkheda					
Unit 1	3.16	20.20	165	90	150
Unit 2	3.56	31.38	170	85	160
Unit 3	0.00	30.21	0	0	0
Unit 4	4.39	41.19	204	157	190
Unit 5	9.57	89.38	445	320	450
Total	20.68	212.36			950
Nasik					
Unit 3	4.28	41.72	190	160	190
Unit 4	4.26	30.77	189	165	190
Unit 5	4.30	42.66	191	165	190
Total	12.83	115.15			570
Uran					
All Units	6.84	96.19	291	267	280
Total	6.84	96.19			280
PENCH (MS)					
Pench (MS)	0.72	3.96	53	0	
Total	0.72	3.96			
Koyna					
Stage 1-2	5.07	31.46	525	40	600
Stage 4	4.10	40.64	540	0	250
Stage 3	2.10	16.47	236	0	320
Kovna 12&4 Total	9.17	72.10			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	11.27	88.57			1170
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.17	0	0	0
TILLARI	0.17	1.79	60	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.20	2.12	40	0	40
RNGR+BHTSA	0.40	3.95	17	16	17
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.38	5.27	16	15	0
GHATGHAR	0.00	6.16	0	0	0
Total	1.16	19.47			117
Wind					
MalharPeth	0.21	2.27			
Vankuswadi	0.45	3.29			
ATIT	0.05	1.32			
Kale	0.15	1.14			
Satara	1.99	11.37			
Shirala	0.19	1.12			
K Mahankal	0.03	1.31			
Supa	0.07	0.63			
Vita	0.86	4.87			
Dondaicha	0.52	3.44			
Sakri	0.07	0.35			
Nandurbar	0.05	0.29			
Khandke	0.23	2.28			
Khaparale	0.16	1.30			
Total	5.03	34.97			
CPP					
JSW JAIGAD	17.35	180.88	731	706	657
WARDHA	5.35	52.24	244	214	225
Adani	36.19	338.14	1840	920	1851
Other CPPs	10.00	78.52			245
Total	68.89	649.78			2978
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.46	100.22	500	318	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	1.45	20.42	62	59	120
Trombay 7B	1.16	13.74	49	47	60
Trombay 8	6.02	55.62	253	248	250
TATA Hydro	1.60	33.47	245	0	447
Total	20.68	223.46			1377
REL					
1&2	6.27	104.96	263	238	250
Total	6.27	104.96			250
Cent Sect					
Share					5553
Total					5553

MS PG CL	Thermal	93.79	1011.80			3983
	Thml+Gas	100.64	1107.98			4263
	Hydro	12.43	108.04			1287
	Total	113.06	1216.02			5550
State Total		214.65	1935.98			15708

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 10/Nov/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	3573	161	284	4018	312	2789	4835	5255	-932	-956	11444	95	11539	2004	13543	50.02
2	3621	71	285	3977	338	2519	4708	5441	-805	-906	11369	79	11448	1848	13296	50.01
3	3630	171	285	4086	302	2353	4628	5462	-726	-802	11401	79	11480	1738	13218	49.98
4	3690	201	285	4176	278	2259	4571	5409	-668	-789	11333	79	11412	1701	13113	50.07
5	3729	142	285	4156	237	2278	4551	5636	-649	-719	11588	79	11667	1654	13321	50.10
6	3763	608	283	4654	221	2273	4799	5463	-586	-603	12019	177	12196	1687	13883	50.01
7	3744	756	284	4784	240	2241	4810	5094	-575	-537	11848	535	12383	1671	14054	49.96
8	3796	891	284	4971	186	2291	4917	5464	-581	-494	12451	748	13199	1661	14860	49.86
9	4012	1218	288	5518	167	2387	5175	5427	-644	-603	12943	701	13644	1765	15409	49.90
10	4024	1197	282	5503	220	2912	5305	5400	-720	-681	13403	621	14024	1884	15908	49.94
11	3989	1017	280	5286	315	3248	5335	5553	-803	-765	13688	680	14368	1981	16349	49.96
12	3961	1146	267	5374	327	3243	5396	5415	-864	-771	13640	827	14467	2016	16483	49.96
13	3931	787	280	4998	319	3208	5412	5592	-880	-837	13333	979	14312	2067	16379	50.01
14	3917	588	282	4787	232	3264	5248	5848	-924	-886	13269	900	14169	2033	16202	50.12
15	3973	774	281	5028	145	3157	5333	5893	-900	-884	13363	737	14100	2019	16119	50.09
16	3968	966	288	5222	124	3185	5232	5668	-798	-819	13407	641	14048	1994	16042	50.01
17	4000	781	289	5070	95	3161	4802	5289	-749	-739	12923	632	13555	1927	15482	50.10
18	4037	160	289	4486	89	3155	4535	4742	-762	-883	11636	678	12314	1921	14235	50.03
19	4075	272	290	4637	92	3153	4739	5323	-863	-794	12458	289	12747	2089	14836	50.04
20	4068	211	289	4568	116	3131	4791	4973	-976	-889	11946	345	12291	2166	14457	50.04
21	4075	78	290	4443	100	3204	4790	5267	-1029	-962	12075	237	12312	2174	14486	50.04
22	4113	83	290	4486	166	3157	4752	4927	-991	-985	11774	133	11907	2164	14071	50.12
23	4053	78	291	4422	198	3149	4704	4852	-946	-1059	11605	88	11693	2140	13833	50.05
24	4051	73	291	4415	212	3169	4670	4967	-911	-1080	11706	82	11788	2087	13875	50.02
MUs	93.79	12.43	6.84	113.06	5.03	68.89	118.04	128.36	-19.28	-19.44	296.62	10.44	307.06	46.39	353.45	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 10/Nov/2013

Position as on 6.30 Hrs of 11/Nov/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 VIPL	300	02/10/2013	00.45		Continued.	Turbine bearing vibration high.	
Bhusawal Unit 5	500	18/10/2013	15.16		Continued.	ESP Problem.	
CPP JSW (J) U2	300	21/10/2013	00.00		Continued.	Lack of Shedule.	
CPP WPCL U-1	135	03/11/2013	6.24		Continued.	ID FAN PROBLEM	
CPP Abhijeet	62	05/11/2013	11.53		Continued.	Turbine Tripped.	
Parli Unit 6	250	05/11/2013	15.29		Continued.	CHP Problem.	
Parli Unit 7	250	06/11/2013	06.39		Continued.	CHP Problem.	
CPP WPCL U-4	135	06/11/2013	12.27		Continued.	Convertor belt problem.	
Uran Unit 6	108	06/11/2013	19.11		Continued.	BLR Trip.	
Koradi Unit 5	200	07/11/2013	11.30		Continued.	Flame Failure.	
Uran Unit 6	108	07/11/2013	15.32		Continued.	Gas Shortage.	
REL 2	250	08/11/2013	23.44		Continued.	VALVE LEKAGE	
Chandrapur Unit 4	210	09/11/2013	06.07		Continued.	BTL	
Khaparkheda Unit 3	210	09/11/2013	17.03	11/11/2013	5.35	FLAME FALURE	
Chandrapur Unit 4	210	09/11/2013	6.07		Continued.	BTL	
CPP WPCL U-3	135	10/11/2013	6.10		Continued.	I D FAN PROBLEM	
Khaparkheda Unit 1	210	11/11/2013	5.00		Continued.	flame falure	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 10/Nov/2013

Position as on 6.30 Hrs of 11/Nov/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dhule-Khandwa I	10/11/2013	10.10	10/11/2013	18.10	insulator replacement work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Parli (PGCIL)-Bhadravati-II	06/11/2013	17.46		Continued.	Over Voltage.
Kolhapur-Solapur (PG) II	09/11/2013	16.37		Continued.	H/T FOR O/V
Kolhapur - Mapusa - II	10/11/2013	16.33		Continued.	over voltage
Solapur - Solapur (PG)	10/11/2013	17.12	11/11/2013	6.35	over voltage
Dhule-Sar'Sarovar - I	11/11/2013	2.28		Continued.	over voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50 MVAR Reactor on 400 KV Bhusawal - II	30/09/2013	12.55		Continued.	Complete Overhauling and testing work.(For 17 days.)
TBC @ Kharghar	23/10/2013	10.30		Continued.	Isolator work
400/220KV,500 MVA ICT-III At A'bad.	08/11/2013	8.06	10/11/2013	4.35	REPLACEMENT OF SEEK R PH UNIT BY TAKING SPARE UNIT IN SERVICE (THREE DAYS)
Warora- Tirora -II	10/11/2013	3.11	10/11/2013	8.31	JUMPLER REPLACEMENT W/T AT TIRODA
Warora - Tiroda - II	10/11/2013	3.11	10/11/2013	8.31	B PH CONDUCTOR SEEM TO BE BROKEN NEAR WAVE TRAP TIGHTENING
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Chalisgaon-Khadka II	07/10/2013	11.37		Continued.	Modification of existing Khadka-Chalisgaon line.
Trombay-Selsett-3	10/11/2013	8.00		Continued.	formation of kalwa salsett-3 and reorientaion work at LN-148
Kalwa-Trombay	10/11/2013	8.11	10/11/2013	18.39	FORMATION OF KALWA SALSETT-3 AND REORIENTATION WORK AT LN-148
Kandalgaon - Sonalloy	10/11/2013	8.30		Continued.	BREAKERT REPLACEMENT 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	25/10/2013	17.37		Continued.	Hand tripped for Over Voltage
New Koyna-Karad-II	07/11/2013	01.17		Continued.	Over Voltage.
Bhusawal- Aurangabad	07/11/2013	17.28		Continued.	Over Voltage.
Karad - Kolhapur - I	09/11/2013	16.07	10/11/2013	9.20	H/T FOR O/V
400/220KV,500 MVA ICT-III At A'bad.	10/11/2013	16.33	10/11/2013	16.40	to shift from bus-1 to bus-2
Karad - Newkoyna - I	10/11/2013	16.35		Continued.	over voltage
Karad - Kolhapur - I	10/11/2013	16.57		Continued.	over voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Babaleshwar - Alephata	08/11/2013	6.53	10/11/2013	17.03	OUTAGE ON A'BAD ICT.
Parli-Usmanabad	09/11/2013	11.13	10/11/2013	9.17	H/T CONTROL PARLY ICT LOADING
Hingoli-Pusad	09/11/2013	11.33		Continued.	H/T CONTROL PARLY ICT LOADING
Murud-Tuljapur	09/11/2013	7.59	10/11/2013	8.06	H/T TO CONTROL PARLY ICT LOADING
Voltage Level : 400KV			Outage Type TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 10/Nov/2013

Position as on 6.30 Hrs of 11/Nov/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Bhusawal - Deepnagar - II	26/10/2013	18.50		Continued.	over voltage
Dabhol - New Koyna - I	04/11/2013	16.30		Continued.	Over Voltage.
Dabhol-Nagothane - II	06/11/2013	21.30		Continued.	Over Voltage.
Karad - Kolhapur - II	09/11/2013	21.49	10/11/2013	9.37	OVER VOLTAGE
Karad - Kolhapur - II	10/11/2013	17.02	10/11/2013	17.25	over voltage
Karad - Kolhapur - II	10/11/2013	21.48		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
Talandge - Sawantwadi - II.	29/10/2013	17.30		Continued.	Dist Prot.
Hingoli-Pusad	06/11/2013	02.08		Continued.	Distance Protection, Conductor Brokan.
Voltage Level : 132KV			Outage Type TRIPPED		
Bale-Akkalkot	09/11/2013	11.15		Continued.	TRIPPED ON BREKER FALURE RELAY. LINE WAS ON TBC.LBB OPERATTED 132KV MAIN BUS BECOME DEAD LOAD AFFECTED 264MW APPROX

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 11/Nov/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	135
Unit 7	210	165
	620	300
Bhusawal		
Unit 2	210	150
Unit 3	210	150
Unit 4	500	269
Unit 5	500	
	1420	569
Parli		
Unit 3	210	0
Unit 4	210	128
Unit 5	210	138
Unit 6	250	0
Unit 7	250	0
	1130	266
Chandrapur		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	150
Unit 4	210	0
Unit 5	500	0
Unit 6	500	425
Unit 7	500	300
	2340	1175
Paras		
Unit 3	250	160
Unit 4	250	230
	500	390
Khaparkheda		
Unit 1	210	0
Unit 2	210	90
Unit 3	210	50
Unit 4	210	156
Unit 5	500	346
	1340	642
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	280
	852	280
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	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	16
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	116
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	756
WARDHA	405	225
Adani	1320	1851
Other CPPs	300	245
	3225	3077
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	250
	500	250
Cent Sect		
Share	3455	5430
	3455	5430