



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

State Load Dispatch Center, Airoli

Daily system Report

for

01/Nov/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 01/Nov/2013 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	94.958	94.958	1) Gujrat	9.049	9.049
2) Hydro	24.018	24.018	2) Madhya Pradesh	22.507	22.507
3) Gas	11.113	11.113	3) Chattisgarh	12.670	12.670
Total MSGENCO	130.089	130.089	4) Maharashtra	87.516	87.516
B) 1) JSW JAIGAD	19.597	19.597	5) Goa	-5.857	-5.857
2) WPCL	5.515	5.515	6) TAPS 1&2 Injection	7.530	7.530
3) ADANI	29.020	29.020	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	5.538	5.538	8) Pench (Excess)	-0.310	-0.310
5) Wind Generation	2.157	2.157	# Total Cent. Sector	133.105	133.105
6) PENCH (MS)	0.310	0.310	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-19.116	-19.116
1) TPCL Thermal	21.711	21.711	G) Bilateral Power *		
2) TPCL Hydro	4.983	4.983	1) MSEDCL Bilateral	36.457	36.457
TOTAL TPCL	26.694	26.694	Include PX	7.059	7.059
3) REL Thermal	12.515	12.515	2) MUMBAI Bilateral	18.580	18.580
D) STATE			Include PX	6.235	6.235
1) Thermal (A1+C1+C3)	129.184	129.184	3) MUMBAI Schedule	18.580	18.580
2) Hydro (A2+B5+C2)	29.311	29.311	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.113	11.113	1) MSEDCL	306.215	306.215
4) Wind (B4)	2.157	2.157	2) TPCL	37.951	37.951
5) CPP (B1+B2+B3)	59.670	59.670	3) REL	20.373	20.373
TOTAL STATE	231.435	231.435	TOTAL STATE	364.539	364.539

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3915	4000	3892
MSGENCO Hydro	1648	1327	481
MSGENCO Gas	454	444	486
MSGENCO Total Generation	6017	5771	4859
Central Sector Receipt	5978	5652	4919
WIND	74	82	120
CPP / IPP	2586	2536	2381
Exchange with Mumbai	-1020	-1107	-445
MSEDCL DEMAND MET	13655	12957	11834
Load Shedding	59	82	53
MSEDCL DEMAND	13714	13039	11887
TPCL GENERATION	1391	1189	782
R-INFRA GENERATION	523	519	521
TPCL+R-INFRA DEMAND	2934	2815	1748
STATE DEMAND MET	16589	15772	13582
STATE DEMAND	16648	15854	13635
Frequency (Hz)	50.02	50.15	50.15

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.34 Hz at 13.05 Hrs	49.6 Hz at 07.06 Hrs	50.03	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 01/Nov/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.05	3.05	141	115	108
Unit 6	0.00	0.00	0	0	0
Unit 7	3.21	3.21	146	120	154
Total	6.26	6.26			262
Bhusawal					
Unit 2	3.68	3.68	165	140	140
Unit 3	3.52	3.52	170	125	140
Unit 4	6.02	6.02	300	210	258
Unit 5	0.00	0.00	0	0	
Total	13.23	13.23			538
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.16	3.16	155	95	145
Unit 5	3.40	3.40	158	126	135
Unit 6	3.86	3.86	170	152	160
Unit 7	3.75	3.75	163	146	155
Total	14.18	14.18			595
Chandrapur					
Unit 1	1.86	1.86	98	61	100
Unit 2	1.74	1.74	95	54	100
Unit 3	2.07	2.07	112	70	100
Unit 4	2.35	2.35	110	76	120
Unit 5	0.00	0.00	0	0	0
Unit 6	8.89	8.89	415	300	400
Unit 7	8.45	8.45	399	296	400
Total	25.36	25.36			1220
Paras					
Unit 3	3.84	3.84	196	99	182
Unit 4	4.75	4.75	212	158	182
Total	8.59	8.59			364
Khaparkheda					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.04	3.04	160	100	140
Unit 3	3.71	3.71	169	144	150
Unit 4	4.42	4.42	203	152	150
Unit 5	7.59	7.59	422	260	300
Total	18.75	18.75			740
Nasik					
Unit 3	4.15	4.15	190	155	190
Unit 4	0.00	0.00	0	0	0
Unit 5	4.44	4.44	193	165	190
Total	8.59	8.59			380
Uran					
All Units	11.11	11.11	492	438	465
Total	11.11	11.11			465
PENCH (MS)					
Pench (MS)	0.31	0.31	40	0	
Total	0.31	0.31			
Koyna					
Stage 1-2	3.86	3.86	555	40	600
Stage 4	13.86	13.86	1020	0	250
Stage 3	4.55	4.55	316	0	240
Kovna 12&4 Total	17.71	17.71			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	22.26	22.26			1090
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.17	0.17	60	0	0
TILLARI	0.19	0.19	60	0	58
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.40	0.40	40	0	41
RNGR+BHTSA	0.40	0.40	17	16	12
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.40	0.40	17	16	0
GHATGHAR	0.20	0.20	120	0	0
Total	1.76	1.76			111
Wind					
MalharPeth	0.13	0.13			
Vankuswadi	0.19	0.19			
ATIT	0.02	0.02			
Kale	0.08	0.08			
Satara	0.94	0.94			
Shirala	0.08	0.08			
K Mahankal	0.01	0.01			
Supa	0.05	0.05			
Vita	0.24	0.24			
Dondaicha	0.17	0.17			
Sakri	0.02	0.02			
Nandurbar	0.02	0.02			
Khandke	0.17	0.17			
Khaparale	0.04	0.04			
Total	2.16	2.16			
CPP					
JSW JAIGAD	19.60	19.60	906	717	753
WARDHA	5.52	5.52	233	226	230
Adani	29.02	29.02	1230	1140	1234
Other CPPs	5.54	5.54			
Total	59.67	59.67			2217
Tata					
Trombay 4					0
Trombay 5	11.56	11.56	503	367	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.73	2.73	128	80	120
Trombay 7B	1.61	1.61	71	56	60
Trombay 8	5.81	5.81	244	240	250
TATA Hydro	4.98	4.98	470	0	447
Total	26.69	26.69			1377
REL					
1&2	12.52	12.52	525	519	500
Total	12.52	12.52			500
Cent Sect					
Share					5253
Total					5253

MS PG CL	Thermal	94.96	94.96			4099
	Thml+Gas	106.07	106.07			4564
	Hydro	24.02	24.02			1201
	Total	130.09	130.09			5765
State Total		231.44	231.44			15112

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 01/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	3826	711	481	5018	106	2377	4831	5052	-758	-693	11860	82	11942	2140	14082	49.93
2	3796	543	482	4821	102	2382	4733	4858	-601	-483	11680	53	11733	1929	13662	50.01
3	3830	518	482	4830	109	2377	4728	4925	-559	-429	11812	53	11865	1817	13682	50.07
4	3892	481	486	4859	120	2381	4752	4919	-559	-445	11834	53	11887	1748	13635	50.15
5	3879	260	492	4631	130	2372	4742	5311	-541	-412	12032	53	12085	1716	13801	50.05
6	3937	973	490	5400	120	2363	4823	5258	-516	-381	12760	81	12841	1768	14609	49.97
7	3989	1401	491	5881	139	2392	4697	5385	-516	-341	13459	127	13586	1810	15396	49.82
8	4063	1873	491	6427	127	2378	4829	5284	-596	-456	13783	225	14008	1939	15947	49.87
9	4081	1909	483	6473	71	2458	5245	5278	-643	-609	13694	159	13853	2239	16092	49.99
10	4076	1413	473	5962	112	2541	5527	5658	-682	-758	13555	95	13650	2608	16258	49.95
11	3956	1485	463	5904	119	2550	5563	5978	-946	-967	13611	53	13664	2872	16536	49.98
12	3915	1648	454	6017	74	2586	5593	5978	-989	-1020	13655	59	13714	2934	16648	50.02
13	3867	1552	453	5872	41	2623	5429	6060	-993	-1008	13588	114	13702	2930	16632	50.01
14	3859	1582	452	5893	34	2610	5516	6024	-933	-1018	13543	61	13604	2822	16426	50.14
15	3878	1188	438	5504	47	2612	5658	6268	-931	-1085	13346	55	13401	2856	16257	50.17
16	3942	1174	440	5556	38	2586	5892	6328	-1019	-1052	13456	56	13512	2853	16365	50.02
17	3968	919	444	5331	72	2553	5675	5964	-1009	-1028	12903	57	12960	2829	15789	50.04
18	3876	621	443	4940	47	2526	5066	5431	-957	-1012	11955	87	12042	2779	14821	50.06
19	4025	1151	441	5617	61	2538	5265	5631	-979	-1071	12799	88	12887	2839	15726	50.02
20	4000	1327	444	5771	82	2536	5297	5652	-832	-1107	12957	82	13039	2815	15854	50.15
21	4029	753	445	5227	106	2512	5287	5588	-768	-959	12496	66	12562	2725	15287	50.08
22	4059	355	448	4862	102	2493	5139	5416	-756	-915	11980	61	12041	2579	14620	50.03
23	4089	108	448	4645	97	2481	5126	5526	-774	-976	11798	55	11853	2458	14311	50.05
24	4126	73	449	4648	102	2443	5041	5335	-724	-891	11662	55	11717	2320	14037	50.13
MUs	94.96	24.02	11.11	130.09	2.16	59.67	124.45	133.11	-18.58	-19.12	306.22	1.93	308.15	58.32	366.47	50.03

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 01/Nov/2013

Position as on 6.30 Hrs of 02/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	
CPP WPCL U-2	135	16/10/2013	05.15		Continued.	Maint.Work.	
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.	05/11/2013
Uran Unit 5	108	05/10/2013	07.26		Continued.	Gas Shortage	
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.	
Koyna Unit 11	80	22/10/2013	00.02	01/11/2013	11.05	Trash Track Work	
CPP INDIABULLS	270	22/10/2013	13.32	02/11/2013	21.45	Boiler Problem.	
Koradi Unit 6	210	30/10/2013	05.45	02/11/2013	13.33	Bunkering Problem.	
CPP Adani U-3	660	30/10/2013	14.25		Continued.	R Phase HV Bushing of GT3 Burst	
REL 2	250	02/11/2013	16.07	02/11/2013	17.51	Malfunction of C & I card	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 01/Nov/2013

Position as on 6.30 Hrs of 02/Nov/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-II	30/10/2013	21.27		Continued.	Over Voltage
Kolhapur-Solapur (PG) II	31/10/2013	20.19	02/11/2013	10.30	Over Voltage
Dhule-Sar'Sarovar - II	01/11/2013	01.26	01/11/2013	05.54	Over Voltage
Dhule-Sar'Sarovar - I	01/11/2013	23.45	02/11/2013	10.46	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Kolhapur-Solapur (PG) II	02/11/2013	16.32		Continued.	over voltage
Voltage Level : 220KV			Outage Type TRIPPED		
Nasik-Navsari-I	01/11/2013	12.54	01/11/2013	13.40	Distance Protection
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
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Chalisgaon-Khadka II	07/10/2013	11.37		Continued.	Modification of existing Khadka-Chalisgaon line.
Butibori MIDC - Vipl ckt - III (Gis Bay)	21/10/2013	15:07	02/11/2013	12.40	To Attend Oil Leakage from B Ph Bushing.
Butibori MIDC - Vipl ckt - IV (Gis Bay)	21/10/2013	15:07	02/11/2013	12.39	To Attend Oil Leakage from B Ph Bushing.
Hinganghat - Rly TSS - I	01/11/2013	10.32	01/11/2013	13.06	Replacement of LA
Nagothane-IPCL	01/11/2013	10.33	01/11/2013	17.52	Replacement of LA
Wadkhal-IPCL-II	01/11/2013	12.43	01/11/2013	17.32	Isolator jumper work
Babaleshwar - Nagar - I	01/11/2013	14.29	01/11/2013	17.09	Jumper Tightening work
Lote - N.Koyna	01/11/2013	15.07	01/11/2013	18.32	Hot Spot
Salsett-Borivali-II	02/11/2013	14.28	02/11/2013	15.30	hot spot
Borivali(M)-Borivali(T)-5	02/11/2013	6.58	02/11/2013	9.22	hot spot
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
Dabhol-Nagothane - II	28/09/2013	21:34		Continued.	Over Voltage.
Deepnagar-Aurangabad-I	25/10/2013	17.37		Continued.	Hand tripped for Over Voltage
Karad - Kolhapur - II	30/10/2013	18.21		Continued.	Over Voltage
Bhusawal- Aurangabad	31/10/2013	17.22	01/11/2013	05.29	Over Voltage
Bhusawal- Aurangabad	01/11/2013	18.07		Continued.	Over Voltage
Lonikand-Stage4	02/11/2013	01.40	02/11/2013	8.49	OVER VOLTAGE
Voltage Level : 400KV			Outage Type TRIPPED		
Bhusawal - Deepnagar - II	26/10/2013	18.50		Continued.	over voltage
Karad-Jaigad I	31/10/2013	20.08		Continued.	Over Voltage
Dabhol - Nagothane - I	01/11/2013	03.05	01/11/2013	07.06	Over Voltage
Dabhol - Nagothane - I	02/11/2013	21.32		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 Line outages/Trippings for 01/Nov/2013

Position as on 6.30 Hrs of 02/Nov/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Talandge - Sawantwadi - II.	29/10/2013	17.30		Continued.	Dist Prot.
Padgha-Wada	01/11/2013	10.25	01/11/2013	18.46	Tension spring found broken
Padegaon - Sawangi	01/11/2013	17.48	02/11/2013	00.04	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Paras-Akot	01/11/2013	17.38	01/11/2013	17.58	Distance Protection
Paras-Patur	02/11/2013	15.29	02/11/2013	15.58	Distance Protection
Chikali - Mehkar	02/11/2013	15.30	02/11/2013	15.50	Backup Protection Operated

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 02/Nov/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	156
Unit 6	210	0
Unit 7	210	157
	620	313
Bhusawal		
Unit 2	210	150
Unit 3	210	140
Unit 4	500	301
Unit 5	500	0
	1420	591
Parli		
Unit 3	210	0
Unit 4	210	145
Unit 5	210	145
Unit 6	250	147
Unit 7	250	147
	1130	584
Chandrapur		
Unit 1	210	100
Unit 2	210	100
Unit 3	210	100
Unit 4	210	120
Unit 5	500	0
Unit 6	500	425
Unit 7	500	350
	2340	1195
Paras		
Unit 3	250	200
Unit 4	250	200
	500	400
Khaparkheda		
Unit 1	210	0
Unit 2	210	160
Unit 3	210	190
Unit 4	210	190
Unit 5	500	400
	1340	940
Nasik		
Unit 3	210	190
Unit 4	210	0
Unit 5	210	190
	630	380
Uran		
All Units	852	465
	852	465
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	58
BHTGR/VEER	21	0
BHIRA T.R.	80	41
RNGR+BHTSA	20	12
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	111
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	760
WARDHA	405	235
Adani	1320	1234
Other CPPs	300	
	3225	2229
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	5751
	3455	5751