



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

State Load Dispatch Center, Airoli

Daily system Report

for

08/Nov/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 08/Nov/2013 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	101.072	822.123	1) Gujrat	12.385	107.099
2) Hydro	13.583	81.259	2) Madhya Pradesh	16.083	143.155
3) Gas	7.567	82.139	3) Chattisgarh	11.980	89.570
Total MSGENCO	122.222	985.521	4) Maharashtra	77.501	604.257
B) 1) JSW JAIGAD	17.992	145.129	5) Goa	-6.039	-44.176
2) WPCL	5.140	41.476	6) TAPS 1&2 Injection	7.502	59.968
3) ADANI	43.370	258.830	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	8.083	63.522	8) Pench (Excess)	-0.424	-2.757
5) Wind Generation	1.507	27.282	# Total Cent. Sector	118.988	957.116
6) PENCH (MS)	0.424	2.757	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-21.775	-158.219
1) TPCL Thermal	18.545	151.702	G) Bilateral Power *		
2) TPCL Hydro	4.455	27.815	1) MSEDCL Bilateral	31.351	249.835
TOTAL TPCL	23.000	179.517	Include PX	4.007	29.728
3) REL Thermal	11.601	92.577	2) MUMBAI Bilateral	19.621	141.958
D) STATE			Include PX	9.034	54.089
1) Thermal (A1+C1+C3)	131.218	1066.402	3) MUMBAI Schedule	19.621	142.410
2) Hydro (A2+B5+C2)	18.462	111.831	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.567	82.139	1) MSEDCL	295.951	2323.414
4) Wind (B4)	1.507	27.282	2) TPCL	36.531	278.464
5) CPP (B1+B2+B3)	74.585	293.497	3) REL	19.844	151.580
TOTAL STATE	233.339	1581.151	TOTAL STATE	352.326	2753.458

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4300	4296	4024
MSGENCO Hydro	1119	883	343
MSGENCO Gas	312	306	327
MSGENCO Total Generation	5731	5485	4694
Central Sector Receipt	6082	5330	4121
WIND	59	27	50
CPP / IPP	3139	3232	3111
Exchange with Mumbai	-1101	-1095	-657
MSEDCL DEMAND MET	13921	13019	11319
Load Shedding	660	481	72
MSEDCL DEMAND	14581	13500	11391
TPCL GENERATION	1170	1173	616
R-INFRA GENERATION	522	519	405
TPCL+R-INFRA DEMAND	2793	2787	1678
STATE DEMAND MET	16714	15806	12997
STATE DEMAND	17374	16287	13069
Frequency (Hz)	50.08	50.12	50.11

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.39 Hz at 16:57 Hrs	49.57 Hz at 05:37 Hrs	50.01	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 08/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	3.32	19.66	155	100	145
Unit 7	3.67	27.36	188	115	130
Total	6.99	67.32			275
Bhusawal					
Unit 2	3.73	29.19	170	145	150
Unit 3	3.64	28.84	165	130	150
Unit 4	6.01	46.50	290	225	269
Unit 5	0.00	0.00	0	0	0
Total	13.38	104.52			569
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.80	28.10	166	149	153
Unit 5	3.68	28.76	169	132	165
Unit 6	0.00	17.43	0	0	0
Unit 7	0.00	20.35	0	0	0
Total	7.48	94.63			318
Chandrapur					
Unit 1	3.12	11.14	145	106	140
Unit 2	3.31	22.31	143	128	140
Unit 3	3.56	23.96	172	123	180
Unit 4	4.34	26.75	190	159	180
Unit 5	0.00	0.00	0	0	0
Unit 6	8.40	73.91	395	295	400
Unit 7	8.16	66.34	387	309	400
Total	30.89	224.42			1440
Paras					
Unit 3	3.51	32.01	175	107	150
Unit 4	4.03	38.37	210	132	150
Total	7.54	70.38			300
Khaparkheda					
Unit 1	2.88	14.22	150	85	160
Unit 2	2.80	24.70	145	90	160
Unit 3	3.34	27.66	164	113	170
Unit 4	3.50	33.19	159	130	200
Unit 5	9.46	71.30	462	327	400
Total	21.97	171.07			1090
Nasik					
Unit 3	4.16	33.30	190	160	190
Unit 4	4.34	22.33	197	169	190
Unit 5	4.32	34.14	193	163	190
Total	12.82	89.77			570
Uran					
All Units	7.57	82.14	330	298	280
Total	7.57	82.14			280
PENCH (MS)					
Pench (MS)	0.42	2.76	47	0	0
Total	0.42	2.76			0
Koyna					
Stage 1-2	3.30	21.84	395	40	600
Stage 4	5.02	30.61	561	0	250
Stage 3	2.69	12.35	240	0	320
Kovna 12&4 Total	8.32	52.46			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	11.01	64.81			1170
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.17	0	0	0
TILLARI	0.17	1.45	58	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.26	1.70	40	0	40
RNGR+BHTSA	0.40	3.15	17	16	17
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.37	4.51	16	15	0
GHATGHAR	1.37	5.46	250	0	0
Total	2.57	16.45			117
Wind					
MalharPeth	0.08	1.95			
Vankuswadi	0.12	2.63			
ATIT	0.00	1.25			
Kale	0.03	0.94			
Satara	0.68	8.26			
Shirala	0.03	0.88			
K Mahankal	0.01	1.26			
Supa	0.05	0.51			
Vita	0.22	3.47			
Dondaicha	0.16	2.66			
Sakri	0.01	0.26			
Nandurbar	0.01	0.22			
Khandke	0.10	1.88			
Khaparale	0.00	1.11			
Total	1.51	27.28			
CPP					
JSW JAIGAD	17.99	145.13	829	648	755
WARDHA	5.14	41.48	218	208	215
Adani	43.37	258.83	1830	1740	1851
Other CPPs	3.30	58.74			245
Total	69.80	504.18			3066
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.34	78.84	501	317	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	1.47	17.54	63	57	120
Trombay 7B	1.18	11.43	51	47	60
Trombay 8	5.56	43.89	252	186	250
TATA Hydro	4.46	27.82	398	0	447
Total	23.00	179.52			1377
REL					
1&2	11.60	92.58	524	303	500
Total	11.60	92.58			500
Cent Sect					
Share					5571
Total					5571

MS PG CL	Thermal	101.07	822.12			4562
	Thml+Gas	108.64	904.26			4842
	Hydro	13.58	81.26			1287
	Total	122.22	985.52			6129
State Total		233.34	1581.15			16643

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 08/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	3971	328	327	4626	141	3012	4281	4680	-722	-987	11472	91	11563	2005	13568	49.99
2	3965	356	330	4651	124	2903	3964	4511	-575	-820	11369	72	11441	1841	13282	50.03
3	3960	568	330	4858	96	2928	3858	4247	-492	-720	11409	72	11481	1742	13223	50.04
4	4024	343	327	4694	50	3111	3914	4121	-482	-657	11319	72	11391	1678	13069	50.11
5	3967	321	329	4617	47	3126	4135	4372	-463	-623	11539	72	11611	1654	13265	50.03
6	4042	317	329	4688	59	3126	4466	4660	-433	-437	12096	195	12291	1723	14014	49.87
7	4142	268	326	4736	68	3070	4375	4695	-433	-427	12142	689	12831	1786	14617	49.85
8	4182	625	329	5136	78	2882	4615	4723	-510	-472	12367	943	13310	1915	15225	49.86
9	4182	879	329	5390	66	2901	4877	5152	-771	-737	12805	890	13695	2205	15900	49.89
10	4232	1261	321	5814	63	2962	5145	5375	-874	-890	13367	687	14054	2563	16617	49.92
11	4300	1119	312	5731	59	3139	5463	6082	-1058	-1101	13921	660	14581	2793	17374	50.08
12	4277	1175	302	5754	36	3221	5571	5667	-1113	-1131	13558	772	14330	2861	17191	50.06
13	4260	973	299	5532	31	3178	5571	5875	-1112	-1127	13500	905	14405	2855	17260	50.01
14	4365	911	298	5574	31	3290	5288	5542	-1038	-1043	13406	780	14186	2738	16924	50.07
15	4336	831	299	5466	29	3269	5399	5650	-1015	-1012	13427	559	13986	2789	16775	49.95
16	4404	1047	298	5749	34	3215	5282	5517	-1018	-1048	13493	487	13980	2798	16778	49.98
17	4296	883	306	5485	27	3232	4881	5330	-1009	-1095	13019	481	13500	2787	16287	50.12
18	4277	217	304	4798	66	3220	4622	4499	-973	-1099	11531	582	12113	2720	14833	50.04
19	4347	369	310	5026	88	3208	4911	5051	-1027	-1068	12352	273	12625	2789	15414	50.08
20	4331	341	312	4984	88	3133	5055	4842	-942	-1010	12059	334	12393	2745	15138	50.14
21	4306	189	307	4802	76	3112	4952	4769	-915	-958	11813	234	12047	2564	14611	50.13
22	4303	120	313	4736	55	3132	4882	4192	-858	-999	11127	130	11257	2433	13690	50.06
23	4338	71	314	4723	51	3112	4730	4400	-874	-1185	11127	81	11208	2329	13537	49.95
24	4265	71	316	4652	44	3103	4647	5036	-914	-1129	11733	81	11814	2063	13877	49.99
MUs	101.07	13.58	7.57	122.22	1.51	74.59	114.88	118.99	-19.62	-21.78	295.95	10.14	306.09	56.38	362.47	50.01

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 08/Nov/2013

Position as on 6.30 Hrs of 09/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 1&2	500	08/11/2013	23.44		Continued.	VALUE LEAKAGE	
Chandrapur Unit 4	210	09/11/2013	6.07		Continued.	BTL	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 08/Nov/2013

Position as on 6.30 Hrs of 09/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	08/11/2013	10.55	Over Voltage
Parli (PGCIL)-Bhadravati-II	06/11/2013	17.46		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	08/11/2013	02.12	08/11/2013	7.38	Over Voltage.
Dhule-Sar'Sarovar - II	08/11/2013	23.33	09/11/2013	6.32	over voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Kolhapur-Solapur (PG) II	02/11/2013	16.32	08/11/2013	8.02	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		Continued.	REPLACEMENT OF SEEK R PH UNIT BY TAKING SPARE UNIT IN SERVICE (THREE DAYS)
400/220 KV 600 MVA ICT - IV @ Padgha	08/11/2013	9.58	08/11/2013	17.22	ATTENDING OIL LEAKAGE OF NEUTRAL BUSHING AND BAY MAINTANCE WORK
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Chalisgaon-Khadka II	07/10/2013	11.37		Continued.	Modification of existing Khadka-Chalisgaon line.
Padgha-Kamba	08/11/2013	10.18	08/11/2013	22.00	REPLACEMENT OF 220KV BUS ISOLATOR UNDER JAICA-2
Kurkumb-Bhigwan	08/11/2013	10.35	08/11/2013	18.15	REPLACEMENT OF CRITICAL INSULATOR
Padgha - Temghar - II	08/11/2013	11.02	08/11/2013	18.14	ATTENDING HOT SPOT ON BREAKER, BUS AND LINE SIDE ISOLATOR
Padgha-Jambhul-I	08/11/2013	11.38	08/11/2013	13.44	TO ATTEND Y PH CT OIL LEAKAGE
Chandrapur MIDC-Gadhchandur-Matardevi	08/11/2013	11.55	08/11/2013	16.50	OUTAGE FOR CAPACITANCE AND TAN DELTA MEASUREMENT OF CTS AND PTS AT M/S LMEL GHUGUS
Akola - Balapur - I	08/11/2013	12.11	08/11/2013	18.02	SCHEDULED TREE CUTTING BETWEEN LOC NO. 9/0 TO 9/1 AND 20/1 TO 20/2
Bhusawal - Chalisgaon - II	08/11/2013	13.32	08/11/2013	15.17	FOR MEASUREMENT OF IR VALUES OF CT
Chalisgaon - Malegaon	08/11/2013	17.18	08/11/2013	20.01	ATTEND HOT SPOT
Nerul-Kharghar	08/11/2013	7.02	08/11/2013	9.38	hot spot Loc no. 675B
Pophali - KDPH	08/11/2013	9.35	08/11/2013	18.50	REPLACEMENT OF OLD INSULATOR STRING
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Gangapur-Vaijapur	08/11/2013	09.00	08/11/2013	20.10	STRINGING WORK OF 400KV TAPTITANDA BABHALESHWAR D/C Q-LINE ON LOC. NO. 209-210 FROM 132KV GANGAPUR-VAIJAPUR LINE LOC.NO. 34-35
Kanhan-Pardi	08/11/2013	09.45	08/11/2013	15.05	(WORK BY HOT LINE UNIT) ONLINE REPLACEMENT OF R-PH DISC INSULATOR STRING

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 08/Nov/2013

Position as on 6.30 Hrs of 09/Nov/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Johndear-Isrl	08/11/2013	10.30	08/11/2013	18.31	HALF YEARLY MAINTANCE WORK
Boiser - Palghar - I	08/11/2013	15.17	08/11/2013	17.10	TAN DELTA OF CTS AND OTHER DIAGNOSTIC TESTS
Bus Section -I at Boiser	08/11/2013	9.20	08/11/2013	15.00	TAN DELTA OF CT
Voltage Level : 110KV			Outage Type PLANNED OUTAGE		
Kalwa -kalyan salsette 2	08/11/2013	14.02	08/11/2013	16.37	ATTEND 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
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.
Karad - Kolhapur - I	07/11/2013	17.03	08/11/2013	7.49	Over Voltage.
Bhusawal- Aurangabad	07/11/2013	17.28		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	07/11/2013	22.30	08/11/2013	6.51	Over Voltage.
New Koyna - Dabhol - I	08/11/2013	12.30		Continued.	OPPORTUNITY OUTAGE CODE:11/578. RELAY TESTING
Karad - Kolhapur - II	08/11/2013	16.07		Continued.	H/T FOR OV
Talegaon PG- Parli PG	08/11/2013	20.55	08/11/2013	22.55	B PH CT HOT SPOT AT TALEGAON
Lonikand-Stage4	09/11/2013	00.38		Continued.	OVER VOLTAGE
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Kalwa-Temghar	08/11/2013	10.23	08/11/2013	18.19	H/T TO AVAIL OUTAGE ON PADGHA TEMGHAR
Babaleshwar - Alephata	08/11/2013	6.53		Continued.	OUTAGE ON A'BAD ICT.
Voltage Level : 400KV			Outage Type TRIPPED		
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 - I	05/11/2013	17.30		Continued.	Over Voltage.
Dabhol-Nagothane - II	06/11/2013	21.30		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.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 09/Nov/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	148
Unit 7	210	160
	620	308
Bhusawal		
Unit 2	210	135
Unit 3	210	135
Unit 4	500	235
Unit 5	500	
	1420	505
Parli		
Unit 3	210	0
Unit 4	210	154
Unit 5	210	150
Unit 6	250	0
Unit 7	250	0
	1130	304
Chandrapur		
Unit 1	210	140
Unit 2	210	140
Unit 3	210	180
Unit 4	210	180
Unit 5	500	0
Unit 6	500	430
Unit 7	500	400
	2340	1470
Paras		
Unit 3	250	190
Unit 4	250	190
	500	380
Khaparkheda		
Unit 1	210	150
Unit 2	210	140
Unit 3	210	160
Unit 4	210	150
Unit 5	500	400
	1340	1000
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	300
	852	300
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	17
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	117
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	656
WARDHA	405	318
Adani	1320	1851
Other CPPs	300	245
	3225	3070
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	5270
	3455	5270