



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

State Load Dispatch Center, Airoli

Daily system Report

for

12/Nov/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 12/Nov/2013 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	108.196	1219.655	1) Gujrat	10.443	164.935
2) Hydro	17.171	145.161	2) Madhya Pradesh	18.832	211.481
3) Gas	7.199	110.420	3) Chattisgarh	11.000	135.340
Total MSGENCO	132.566	1475.236	4) Maharashtra	79.564	923.543
B) 1) JSW JAIGAD	19.779	219.025	5) Goa	-5.650	-65.486
2) WPCL	5.236	62.805	6) TAPS 1&2 Injection	7.771	90.524
3) ADANI	39.530	420.000	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	10.221	103.455	8) Pench (Excess)	-0.525	-4.925
5) Wind Generation	1.633	40.383	# Total Cent. Sector	121.435	1455.412
6) PENCH (MS)	0.525	4.925	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-19.898	-244.639
1) TPCL Thermal	19.761	229.622	G) Bilateral Power *		
2) TPCL Hydro	5.068	43.696	1) MSEDCL Bilateral	28.035	365.233
TOTAL TPCL	24.829	273.318	Include PX	3.332	40.912
3) REL Thermal	10.218	121.456	2) MUMBAI Bilateral	19.547	222.892
D) STATE			Include PX	8.597	93.846
1) Thermal (A1+C1+C3)	138.175	1570.733	3) MUMBAI Schedule	21.437	228.120
2) Hydro (A2+B5+C2)	22.764	193.782	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.199	110.420	1) MSEDCL	311.027	3536.602
4) Wind (B4)	1.633	40.383	2) TPCL	36.344	415.844
5) CPP (B1+B2+B3)	74.766	424.815	3) REL	18.601	223.298
TOTAL STATE	244.537	2340.133	TOTAL STATE	365.972	4175.744

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	4653	4462	4557
MSGENCO Hydro	1957	1551	77
MSGENCO Gas	290	296	306
MSGENCO Total Generation	6900	6309	4940
Central Sector Receipt	5772	5239	4369
WIND	34	34	60
CPP / IPP	2936	3019	3193
Exchange with Mumbai	-1039	-887	-720
MSEDCL DEMAND MET	14626	13741	11842
Load Shedding	679	537	74
MSEDCL DEMAND	15305	14278	11916
TPCL GENERATION	1267	1309	674
R-INFRA GENERATION	512	521	194
TPCL+R-INFRA DEMAND	2818	2717	1588
STATE DEMAND MET	17444	16458	13430
STATE DEMAND	18123	16995	13504
Frequency (Hz)	50.01	49.92	49.96

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.37 Hz at 21.53 Hrs	49.66 Hz at 06.43 Hrs	49.98	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 12/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	3.37	33.60	152	113	147
Unit 7	3.36	42.71	150	130	148
Total	6.73	96.62			295
Bhusawal					
Unit 2	3.61	43.70	160	130	160
Unit 3	3.44	43.09	160	125	160
Unit 4	5.87	69.44	300	0	290
Unit 5	0.00	0.00	0	0	0
Total	12.92	156.24			610
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.66	42.23	172	115	150
Unit 5	3.71	42.81	172	132	150
Unit 6	2.99	20.43	183	0	0
Unit 7	3.46	23.81	205	16	160
Total	13.83	129.29			460
Chandrapur					
Unit 1	3.31	23.96	142	130	140
Unit 2	3.39	35.67	150	135	140
Unit 3	4.10	38.24	182	161	165
Unit 4	4.56	33.92	197	172	200
Unit 5	0.00	0.00	0	0	0
Unit 6	8.78	108.55	430	235	425
Unit 7	8.03	96.60	424	253	400
Total	32.17	336.94			1470
Paras					
Unit 3	2.24	46.50	213	0	200
Unit 4	5.27	59.24	250	203	250
Total	7.51	105.74			450
Khaparkheda					
Unit 1	2.84	25.69	140	70	135
Unit 2	2.46	36.53	130	60	140
Unit 3	3.87	36.22	170	152	160
Unit 4	4.09	49.02	185	151	160
Unit 5	9.02	106.64	410	348	350
Total	22.29	254.09			945
Nasik					
Unit 3	4.36	50.44	195	160	190
Unit 4	4.18	39.21	191	162	190
Unit 5	4.19	51.10	191	158	190
Total	12.74	140.75			570
Uran					
All Units	7.20	110.42	308	288	290
Total	7.20	110.42			290
PENCH (MS)					
Pench (MS)	0.52	4.92	54	0	
Total	0.52	4.92			
Koyna					
Stage 1-2	4.96	42.14	585	40	600
Stage 4	6.62	56.01	1060	0	250
Stage 3	2.50	21.92	240	0	320
Kovna 12&4 Total	11.58	98.15			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	14.08	120.07			1170
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.17	0	0	0
TILLARI	0.17	2.13	59	0	60
BHTGR/VEER	0.06	0.06	3	2	4
BHIRA T.R.	0.20	2.47	41	0	40
RNGR+BHTSA	0.38	4.73	16	15	4
BHANDARDRA	0.00	0.00	0	0	4
ELDARY	0.00	0.00	0	0	
SMLHY PTN	0.38	6.01	16	15	5
GHATGHAR	1.91	9.53	250	0	
Total	3.09	25.09			117
Wind					
MalharPeth	0.08	2.61			
Vankuswadi	0.12	3.93			
ATIT	0.01	1.38			
Kale	0.04	1.38			
Satara	0.67	13.63			
Shirala	0.04	1.35			
K Mahankal	0.02	1.34			
Supa	0.02	0.68			
Vita	0.27	5.68			
Dondaicha	0.22	3.92			
Sakri	0.00	0.38			
Nandurbar	0.02	0.33			
Khandke	0.12	2.44			
Khaparale	0.01	1.33			
Total	1.63	40.38			
CPP					
JSW JAIGAD	19.78	219.02	897	780	815
WARDHA	5.24	62.80	222	210	225
Adani	39.53	420.00	1830	1280	1851
Other CPPs	10.22	98.68			240
Total	74.77	800.50			3131
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.41	121.45	502	317	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.22	24.54	113	64	120
Trombay 7B	1.43	16.48	66	50	60
Trombay 8	5.70	67.15	252	186	250
TATA Hydro	5.07	43.70	400	0	447
Total	24.83	273.32			1377
REL					
1&2	10.22	121.46	522	194	500
Total	10.22	121.46			500
Cent Sect					
Share					5530
Total					5530

MS PG CL	Thermal	108.20	1219.66			4800
	Thml+Gas	115.40	1330.08			5090
	Hydro	17.17	145.16			1287
	Total	132.57	1475.24			6377
State Total		244.54	2340.13			16915

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 12/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	4487	77	307	4871	70	3235	4408	4846	-1144	-862	12172	91	12263	1889	14152	49.95
2	4503	72	305	4880	98	3224	4083	4579	-1007	-768	12013	73	12086	1746	13832	50.02
3	4522	72	307	4901	75	3235	4052	4405	-861	-760	11856	73	11929	1652	13581	49.99
4	4557	77	306	4940	60	3193	4063	4369	-780	-720	11842	74	11916	1588	13504	49.96
5	4515	77	306	4898	82	3192	4178	4620	-766	-723	12069	114	12183	1593	13776	49.91
6	4550	77	307	4934	83	3227	4485	4800	-721	-606	12458	356	12814	1672	14486	50.01
7	4607	158	306	5071	125	3219	4463	4648	-781	-505	12578	760	13338	1770	15108	49.86
8	4730	726	308	5764	117	3215	4574	4735	-896	-572	13312	806	14118	1897	16015	49.87
9	4764	956	305	6025	107	3233	4710	4795	-1114	-673	13541	730	14271	2177	16448	49.89
10	4828	1267	299	6394	98	3253	5033	5000	-1203	-818	13951	512	14463	2533	16996	49.85
11	4812	1368	292	6472	55	3097	5376	5877	-1136	-1057	14468	542	15010	2761	17771	49.92
12	4653	1957	290	6900	34	2936	5448	5772	-966	-1039	14626	679	15305	2818	18123	50.01
13	4607	1853	290	6750	23	2902	5383	5689	-878	-1040	14347	783	15130	2813	17943	49.94
14	4538	1645	290	6473	23	3002	5143	5543	-850	-949	14105	709	14814	2716	17530	49.99
15	4461	1630	290	6381	26	3020	5451	5729	-838	-882	14286	585	14871	2735	17606	50.03
16	4445	1662	288	6395	16	3035	5459	5826	-840	-895	14390	558	14948	2727	17675	49.95
17	4462	1551	296	6309	34	3019	5026	5239	-832	-887	13741	537	14278	2717	16995	49.92
18	4436	804	298	5538	30	3126	4552	4421	-809	-913	12249	585	12834	2685	15519	50.00
19	4376	340	299	5015	58	3154	4853	5164	-855	-891	12529	371	12900	2730	15630	49.98
20	4375	311	299	4985	85	3038	4984	4992	-877	-879	12248	482	12730	2667	15397	50.01
21	4412	155	301	4868	78	3039	4955	5313	-867	-807	12518	370	12888	2517	15405	50.09
22	4222	139	302	4663	87	3055	4886	5020	-809	-883	11969	253	12222	2359	14581	50.17
23	4171	116	303	4590	91	3048	4768	5021	-825	-917	11858	166	12024	2171	14195	50.05
24	4164	81	305	4550	78	3069	4589	5033	-782	-852	11903	136	12039	2012	14051	50.06
MUs	108.20	17.17	7.20	132.57	1.63	74.77	114.92	121.44	-21.44	-19.90	311.03	10.34	321.37	54.94	376.32	49.98

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 12/Nov/2013

Position as on 6.30 Hrs of 13/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.	
Uran Unit 8	108	24/10/2013	08.00		Continued.	Gas Shortage.	
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 7	250	06/11/2013	06.39	12/11/2013	00.17	CHP Problem.	
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	12/11/2013	05.44	VALVE LEKAGE	
CPP WPCL U-3	135	10/11/2013	6.10		Continued.	I D FAN PROBLEM	
Parli Unit 6	250	12/11/2013	03.55	12/11/2013	06.45	Drum Level Low.	
Paras Unit 3	250	12/11/2013	11.17		Continued.	Furnace pressure High.	
Bhusawal Unit 4	500	12/11/2013	21.13		Continued.	Tripped,As GT4 Burst.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 12/Nov/2013

Position as on 6.30 Hrs of 13/Nov/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
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	12/11/2013	10.19	H/T FOR O/V
Kolhapur - Mapusa - II	10/11/2013	16.33	12/11/2013	10.33	over voltage
Kolhapur - Mapusa - I	12/11/2013	16.30		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	12/11/2013	16.45		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Karad - Solapur (PGCIL)	11/11/2013	17.05	12/11/2013	14.38	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/132 KV 200 MVA ICT - II @ Khadka	11/11/2013	09.07		Continued.	Replacement of Old 200 MVA ICT Under LES Upto 04/01/2014.
400/220KV 315MVA ICT- I @ Chandrapur	12/11/2013	09.13	12/11/2013	20.20	Commissioning of CTR,Tan delta,CRM.
Lonikand-Karad	12/11/2013	09.29		Continued.	Repl of 3 nos LAS & CVT,RFC-19.04 Hrs.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Chalisgaon-Khadka II	07/10/2013	11.37		Continued.	Modification of existing Khadka-Chalisgaon line.
Kandalgaon - Sonalloy	10/11/2013	8.30	12/11/2013	18.16	BREAKERT REPLACEMENT WORK
220/132 KV 200 MVA ICT - I @ Akola	11/11/2013	11.12	12/11/2013	00.49	To Attend Oil Leakage of OSR R Ph & Bucholz Relay By Company Representative.
Borivali(M)-Borivali(T)-5	12/11/2013	07.18	12/11/2013	09.13	Hot Spot.
Wardha Power - Warora-I	12/11/2013	07.27	12/11/2013	21.09	Repl.of 6 nos of metering PT's at Warara S/S.
KDPH-Wankuswadi	12/11/2013	08.00	12/11/2013	17.20	Maint.of CB.
Versova - Goregaon	12/11/2013	09.45	12/11/2013	19.47	Annual Maint.work.
Kandalgaon - ONGC	12/11/2013	10.20	12/11/2013	17.13	Fixing of repair sleeve.
Mudshingi - Peth	12/11/2013	10.20	12/11/2013	13.40	Maint.work.
Kandalgaon - Topworth	12/11/2013	10.40	12/11/2013	11.45	Hot Spot.
Lonikand - VSNL	12/11/2013	11.02	12/11/2013	12.56	Relay testing & Scada upgradation.
Dondaicha - Jamde - II.	12/11/2013	11.13	12/11/2013	12.49	Measurement of tan delta of CT.
Main Bus At Murud	12/11/2013	12.10	12/11/2013	14.06	Q.M.Work
Bale-Osmanbad	12/11/2013	12.22	12/11/2013	16.04	Damaged sleeves repair work.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Talegaon PG- Parli PG	12/11/2013	08.04	12/11/2013	16.20	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
Bhusawal- Aurangabad	11/11/2013	17.08	12/11/2013	09.02	Over Voltage.
Karad - Kolhapur - I	12/11/2013	16.10		Continued.	Over Voltage.
Bhusawal- Aurangabad	12/11/2013	17.11		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Bhusawal - Deepnagar - II	26/10/2013	18.50		Continued.	over voltage

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 12/Nov/2013

Position as on 6.30 Hrs of 13/Nov/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Dabhol - New Koyna - I	04/11/2013	16.30		Continued.	Over Voltage.
Dabhol-Nagothane - II	06/11/2013	21.30		Continued.	Over Voltage.
Karad-Jaigad I	11/11/2013	16.35	12/11/2013	09.22	Over Voltage.
Karad - Kolhapur - II	11/11/2013	16.36	12/11/2013	08.43	Over Voltage.
Dabhol - Nagothane - I	11/11/2013	17.45	12/11/2013	08.35	Over Voltage.
400/ 21.75 KV 600 MVA GT IV @ Deepnagar	12/11/2013	21.00		Continued.	GT4 Caught Fire.
400/11 KV 80 MVA Station T/F 4A @ Deepnagar	12/11/2013	21.22		Continued.	As GT4 Caught Fire.
400/200 KV 500 MVA ICT - II Main Bay(414) @ Deepnagar	12/11/2013	21.22		Continued.	As GT4 Caught Fire.
Karad - Kolhapur - II	12/11/2013	21.57		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 Broken.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 13/Nov/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	140
Unit 7	210	140
	620	280
Bhusawal		
Unit 2	210	160
Unit 3	210	160
Unit 4	500	0
Unit 5	500	0
	1420	320
Parli		
Unit 3	210	0
Unit 4	210	150
Unit 5	210	130
Unit 6	250	170
Unit 7	250	155
	1130	605
Chandrapur		
Unit 1	210	150
Unit 2	210	140
Unit 3	210	190
Unit 4	210	210
Unit 5	500	0
Unit 6	500	425
Unit 7	500	350
	2340	1465
Paras		
Unit 3	250	0
Unit 4	250	210
	500	210
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	180
Unit 4	210	200
Unit 5	500	450
	1340	1150
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	5
BHIRA T.R.	80	40
RNGR+BHTSA	20	5
BHANDARDRA	45	5
ELDARY	23	
SMLHY PTN	12	4
GHATGHAR	250	
	611	119
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	812
WARDHA	405	225
Adani	1320	1851
Other CPPs	300	240
	3225	3128
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	5500
	3455	5500