



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

State Load Dispatch Center, Airoli

Daily system Report

for

13/Nov/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 13/Nov/2012 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	112.769	1419.544	1) Gujrat	15.861	155.098
2) Hydro	5.808	143.277	2) Madhya Pradesh	14.133	241.322
3) Gas	9.742	113.908	3) Chattisgarh	11.180	160.830
Total MSGENCO	128.319	1676.729	4) Maharashtra	66.064	950.782
B) 1) JSW JAIGAD	25.949	356.231	5) Goa	-5.080	-82.614
2) WPCL	5.899	90.686	6) TAPS 1&2 Injection	3.662	49.002
3) ADANI	0.000	81.500	7) RGPPL Injection	7.183	146.242
4) Other CPP / IPP	8.565	102.033	8) Pench (Excess)	-0.495	-8.412
5) Wind Generation	4.782	40.951	# Total Cent. Sector	112.508	1612.250
6) PENCH (MS)	0.495	9.071	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-9.349	-136.462
1) TPCL Thermal	23.990	354.384	G) Bilateral Power *		
2) TPCL Hydro	1.524	47.538	1) MSEDCL Bilateral	33.556	630.050
TOTAL TPCL	25.514	401.922	Include PX	0.000	51.467
3) REL Thermal	12.650	163.005	2) MUMBAI Bilateral	10.098	160.438
D) STATE			Include PX	-0.298	25.291
1) Thermal (A1+C1+C3)	149.409	1936.933	3) MUMBAI Schedule	10.098	160.650
2) Hydro (A2+B5+C2)	7.827	199.886	H) ENERGY CATERED (MUs)		
3) Gas (A3)	9.742	113.908	1) MSEDCL	277.168	3832.989
4) Wind (B4)	4.782	40.951	2) TPCL	31.705	470.585
5) CPP (B1+B2+B3)	40.413	548.950	3) REL	15.807	230.821
TOTAL STATE	212.173	2840.628	TOTAL STATE	324.680	4534.395

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	4987	4980	4172
MSGENCO Hydro	116	451	136
MSGENCO Gas	440	353	441
MSGENCO Total Generation	5543	5784	4749
Central Sector Receipt	5288	4872	4365
WIND	191	84	310
CPP / IPP	1631	1668	1765
Exchange with Mumbai	-421	-458	-274
MSEDCL DEMAND MET	12258	12003	10915
Load Shedding	0	0	0
MSEDCL DEMAND	12258	12003	10915
TPCL GENERATION	1099	1372	962
R-INFRA GENERATION	527	527	528
TPCL+R-INFRA DEMAND	2047	2357	1764
STATE DEMAND MET	14305	14360	12679
STATE DEMAND	14305	14360	12679
Frequency (Hz)	50.02	50.18	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.55 Hz at 14.02 Hrs	49.59 Hz at 00.12 Hrs	50.1	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 13/Nov/2012

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	3.30	42.37	145	118	140
Unit 7	3.10	34.48	155	110	120
Total	6.39	76.85			260
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.98	51.14	170	160	165
Unit 4	8.30	41.39	411	308	
Unit 5	0.00	6.27	0	0	
Total	12.28	98.81			165
Parli					
Unit 3	0.00	22.53	0	0	0
Unit 4	3.24	44.53	169	0	150
Unit 5	3.48	8.61	175	120	125
Unit 6	0.00	24.39	0	0	0
Unit 7	4.05	54.06	237	78	180
Total	10.78	154.11			455
Chandrapur					
Unit 1	3.74	40.88	160	150	160
Unit 2	0.00	36.81	0	0	0
Unit 3	3.38	44.96	195	0	50
Unit 4	4.77	58.13	201	196	200
Unit 5	8.78	118.27	420	295	300
Unit 6	8.80	122.42	405	290	300
Unit 7	9.20	108.63	439	297	300
Total	38.66	530.10			1310
Paras					
Unit 3	4.41	56.55	207	148	170
Unit 4	4.50	56.64	211	146	170
Total	8.91	113.19			340
Khaparkheda					
Unit 1	4.06	48.22	210	150	160
Unit 2	3.94	47.52	200	145	160
Unit 3	4.06	51.58	182	162	160
Unit 4	4.07	51.39	184	161	160
Unit 5	6.90	91.84	332	235	300
Total	23.02	290.55			940
Nasik					
Unit 3	4.37	54.22	200	160	190
Unit 4	4.15	53.68	188	153	190
Unit 5	4.19	48.03	187	161	190
Total	12.71	155.93			570
Uran					
All Units	9.74	113.91	488	353	440
Total	9.74	113.91			440
PENCH (MS)					
Pench (MS)	0.50	9.07	53	0	
Total	0.50	9.07			
Koyna					
Stage 1-2	2.32	47.64	565	40	600
Stage 4	0.30	44.24	164	0	250
Stage 3	0.39	19.51	150	0	320
Kovna 12&4 Total	2.62	91.88			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.00	111.39			1170
Hydro					
KDPH	0.47	2.18	20	19	20
VTRNA	0.00	0.00	0	0	0
TILLARI	0.28	3.58	59	0	60
BHTGR/VEER	0.07	1.22	3	2	3
BHIRA T.R.	0.16	2.90	63	0	69
RNGR+BHTSA	0.40	4.97	17	16	16
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.40	6.15	22	14	9
GHATGHAR	1.02	10.88	125	0	
Total	2.80	31.88			177
Wind					
MalharPeth	0.20	2.21			
Vankuswadi	0.42	3.94			
ATIT	0.02	0.46			
Kale	0.12	1.14			
Satara	0.08	7.28			
Shirala	0.09	1.57			
K Mahankal	1.06	2.14			
Supa	0.11	1.30			
Vita	0.65	6.16			
Dondaicha	1.01	7.31			
Sakri	0.06	0.74			
Nandurbar	0.07	0.55			
Khandke	0.58	4.27			
Khaparale	0.30	1.87			
Total	4.78	40.95			
CPP					
JSW JAIGAD	25.95	356.23	1200	1031	1096
WARDHA	5.90	90.69	247	242	245
Adani	0.00	81.50	0	0	
Other CPPs	8.56	102.03			
Total	40.41	630.45			1341
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.58	142.83	502	286	500
Trombay 6	3.76	77.24	162	156	500
Trombay 7A	2.95	38.35	125	121	120
Trombay 7B	1.63	21.33	70	67	60
Trombay 8	6.06	74.64	255	251	250
TATA Hydro	1.52	47.54	270	0	318
Total	25.51	401.92			1748
REL					
1&2	12.65	163.00	528	525	500
Total	12.65	163.00			500
Cent Sect					
Share					5150
Total					5150

MS PG CL	Thermal	112.77	1419.54			4040
	Thml+Gas	122.51	1533.45			4480
	Hydro	5.81	143.28			1347
	Total	128.32	1676.73			5827
State Total		212.17	2840.63			14566

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 13/Nov/2012

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	4202	356	488	5046	357	1775	4187	4265	-389	-343	11107	0	11107	1930	13037	49.95
2	4172	136	441	4749	310	1765	4230	4365	-304	-274	10915	0	10915	1764	12679	49.97
3	4238	122	442	4802	329	1703	4492	4470	-330	-165	11139	0	11139	1588	12727	50.02
4	4260	97	441	4798	363	1655	4506	4523	-324	-263	11076	0	11076	1678	12754	50.01
5	4257	197	434	4888	388	1649	4484	4636	-317	-181	11380	0	11380	1598	12978	49.86
6	4386	751	442	5579	367	1761	4439	4708	-318	-258	12179	0	12179	1713	13892	49.84
7	4787	626	457	5870	390	1820	4787	4521	-357	-372	12241	529	12770	1789	14559	50.16
8	4957	199	457	5613	305	1818	4817	4356	-365	-404	11713	609	12322	1820	14142	50.16
9	4978	98	454	5530	254	1786	5021	4415	-357	-370	11666	281	11947	1877	13824	50.12
10	4977	174	448	5599	234	1631	5186	4858	-378	-319	12026	0	12026	1931	13957	50.17
11	4983	216	442	5641	256	1641	5474	4727	-471	-400	11885	0	11885	2004	13889	50.12
12	4987	116	440	5543	191	1631	5441	5288	-478	-421	12258	0	12258	2047	14305	50.02
13	4959	93	420	5472	107	1628	5141	5182	-484	-443	11972	0	11972	2045	14017	50.06
14	4813	254	365	5432	78	1627	5131	5148	-485	-415	11896	0	11896	1994	13890	50.27
15	4864	234	366	5464	71	1623	5088	5134	-492	-415	11903	0	11903	1986	13889	50.21
16	4771	219	358	5348	78	1626	5069	5084	-490	-384	11752	0	11752	1977	13729	50.14
17	4746	99	361	5206	103	1627	5179	4826	-485	-330	11432	0	11432	1940	13372	50.15
18	4813	98	355	5266	116	1644	4541	4574	-361	-283	11337	0	11337	1968	13305	50.14
19	4907	349	355	5611	133	1669	4884	4871	-522	-451	11886	0	11886	2294	14180	50.14
20	4980	451	353	5784	84	1668	5095	4872	-574	-458	12003	0	12003	2357	14360	50.18
21	4861	286	354	5501	66	1666	4731	4744	-550	-503	11493	0	11493	2346	13839	50.19
22	4757	230	354	5341	54	1666	4477	4581	-415	-548	11119	0	11119	2320	13439	50.19
23	4584	219	357	5160	49	1669	4306	4277	-415	-626	10569	0	10569	2300	12869	50.17
24	4530	188	358	5076	99	1665	4211	4083	-437	-723	10221	0	10221	2247	12468	50.21
MUs	112.77	5.81	9.74	128.32	4.78	40.41	114.92	112.51	-10.10	-9.35	277.17	1.42	278.59	47.51	326.10	50.10

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 13/Nov/2012

Position as on 6.30 Hrs of 14/Nov/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect Tarapur 1	80	16/07/2012	22.15		Continued.	Refueling work.	
Koradi Unit 5	200	16/09/2012	04.23		Continued.	Low Bunkering, Converted to C O H from 20/09/2012.	14/11/2012
FORCED OUTAGE							
Tata TATA Hydro	444	05/09/2012	03:30		Continued.	BHIRA (BPSU-150MW)Unit tripped due to stator winding fault.	31/12/2012
Dabhol 2B	230	18/09/2012	18.42		Continued.	Gas shortage.	
Dabhol 1B	230	09/10/2012	13.56		Continued.	Gas Shortage.	
CPP WPCL U-2	135	17/10/2012	00.23		Continued.	Bottom ash problem.	
Bhusawal Unit 2	210	19/10/2012	22.22		Continued.	ID Fan Problem	
Dabhol 3B	230	26/10/2012	00.49		Continued.	Gas shortage.	
Uran Unit 7	108	26/10/2012	13.26		Continued.	Gas Shortage	
Dabhol 1X	290	02/11/2012	16.26		Continued.	Gas shortage.	
Dabhol 1A	230	02/11/2012	16.27		Continued.	Gas shortage.	
CPP WPCL U-4	135	05/11/2012	21.30		Continued.	Maintenance Work.	14/11/2012
Parli Unit 6	250	07/11/2012	09.57		Continued.	Flame Failure.	
Bhusawal Unit 5	500	09/11/2012	13.27		Continued.	Turbine vibration.	
CPP Adani	660	09/11/2012	19.16		Continued.	Tripped due to Tripping of 400KV Wardha-Warora-I.	
Tata Trombay 6	500	11/11/2012	21.56		Continued.	Low Vacuum Protection	
Parli Unit 3	210	11/11/2012	22.25		Continued.	Water Shortage	
Chandrapur Unit 2	210	12/11/2012	00.15		Continued.	Boiler Validity extension	
Dabhol 2A	230	12/11/2012	10.00		Continued.	Generator Protection.	
Dabhol 2X	290	12/11/2012	10.00		Continued.	Generator Protection.	
Bhusawal Unit 5	500	12/11/2012	20.08		Continued.	Vibration Problem.	
Chandrapur Unit 3	210	13/11/2012	00.12	13/11/2012	05.17	GTR Neutral C T Leakage.	
Parli Unit 4	210	13/11/2012	21.28	14/11/2012	02.18	Flame failure.	
Bhusawal Unit 4	500	14/11/2012	00.26	14/11/2012	04.04	Governor system problem.	
Parli Unit 4	210	14/11/2012	02.31	14/11/2012	03.24	Drum level high.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 13/Nov/2012

Position as on 6.30 Hrs of 14/Nov/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali-Tarapur-I	04/11/2012	09.53		Continued.	Mumbai Strengthening work to be carried out on Boiser-Borivali section upto 31/1/2013
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	08/11/2012	19.41	13/11/2012	18.23	Over Voltage.
Kolhapur-Solapur (PG) II	09/11/2012	12.07		Continued.	Hand tripped.
Dhule-Sar'Sarovar - I	13/11/2012	00.36		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Warora - Tiroda - II	09/11/2012	19.16		Continued.	Tripped due to Warora-Wardha(PG)-I on O/V.(Isolator problem at Tiroda)
Kolhapur - Mapusa - II	13/11/2012	16.31		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	13/11/2012	16.32	13/11/2012	18.23	Over Voltage.
Kolhapur - Mapusa - I	14/11/2012	01.47	14/11/2012	05.37	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Tillary-Amona	13/11/2012	16.02	13/11/2012	18.05	Trip at Amona end.
Halkarni - Amona	13/11/2012	16.02		Continued.	Not taken in service due to PDR problem.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV Spare ICT @ Babaleshwar	05/07/2012	10.38		Continued.	Revamping Work of ICT-1.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT II at Girvali	14/04/2012	12:05		Continued.	Augumentation by 200 MVA ICT.
Kalwa - Khargar	19/10/2012	08.55		Continued.	Mumbai Strengthening work(Till 19.11.12)
Mahape - Siemens	19/10/2012	10.09		Continued.	Mumbai Strengthening work(Till 19.11.12)
Ghodbandar - Bhoisor (MSETCL)	04/11/2012	10.35		Continued.	mumbai strengthening work to be carried out on Boiser-Borivali section upto 31/1/2013
220/132 KV 100 MVA T/F - 6 @ Chinchwad	12/11/2012	11.42		Continued.	Newly Charged & Kept on Humming(In Place of 220/132KV 50 MVA) Which Was Out From 12.10.12).
220/132 KV 200 MVA ICT-II @ Harangul	13/11/2012	16.05	13/11/2012	16.21	For taking 220 KV Bus PT in service.
Parly - Harangul - I	13/11/2012	16.06	13/11/2012	16.20	For taking 220 KV BUS PT in service.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220 KV 600 MVA ICT - IV @ Padgha	13/11/2012	01.34	13/11/2012	06.39	C T Oil Leakage.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz Alarm. Proposed for Repairs.
Deepnagar-Aurangabad-I	05/11/2012	17.19		Continued.	Over Voltage.
Bhusawal- Aurangabad	12/11/2012	22.11		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	13/11/2012	00.00	13/11/2012	11.03	Line taken in service.
Lonikand- Koyna Stage IV	13/11/2012	16.14		Continued.	Over Voltage.
Karad - Newkoyna - I	13/11/2012	17.02		Continued.	Over Voltage.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 13/Nov/2012

Position as on 6.30 Hrs of 14/Nov/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Padgha - Nagothane - I	13/11/2012	22.00		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Padgha-Temghar I	13/11/2012	01.19	13/11/2012	05.35	Due to Outage on ICT -IV @ Padgha.
Padgha - Temghar - II	13/11/2012	01.19	13/11/2012	05.35	Due to Outage on ICT - IV @ Padgha.
Ambazari - Abhijeet	13/11/2012	12.07		Continued.	H/T to control 220 KV Wardha-Yeotmal CKT line loading.
Voltage Level : 400KV			Outage Type TRIPPED		
400/11.5KV 90 MVA STN T/F III @ 400KV C'PUR	25/09/2012	15.38		Continued.	Differential protection operated. Declared Faulty by Genco. Sent for Repairs.
Karad - Kolhapur - II	13/11/2012	00.07		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Vita - Lamboti	13/11/2012	20.18		Continued.	Tripped on D/P and declared faulty.
Babaleshwar - Chalisgaon	13/11/2012	23.45		Continued.	Bus Bar protection operated at Chalisgaon end.
Chalisgaon-Bhusawal	13/11/2012	23.45	14/11/2012	00.17	Bus Bar protection operated at Chalisgaon end.
Dhule-Chalisgaon	13/11/2012	23.45	14/11/2012	00.25	Bus Bar Protection operated at Chalisgaon end.
220/132KV 200 MVA ICT I at Chalisgaon	13/11/2012	23.45	14/11/2012	00.16	Bus Bar Protection operated.
220/132 KV,200 MVA ICT-II At Chalisgaon	13/11/2012	23.45	14/11/2012	00.17	Bus Bar Protection operated.
Chalisgaon - Malegaon	13/11/2012	23.45	14/11/2012	00.26	Bus Bar protection operated at Chalisgaon end.
Chalisgaon - Bhusawal- II	13/11/2012	23.45	14/11/2012	00.16	Bus Bar protection operated at Chalisgaon end.
Voltage Level : 132KV			Outage Type TRIPPED		
Parbhani-Pathari	13/11/2012	04.59	13/11/2012	05.09	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 14/Nov/2012

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	0
Unit 3	210	165
Unit 4	500	
Unit 5	500	
	1420	165
Parli		
Unit 3	210	0
Unit 4	210	147
Unit 5	210	156
Unit 6	250	0
Unit 7	250	165
	1130	468
Chandrapur		
Unit 1	210	155
Unit 2	210	0
Unit 3	210	190
Unit 4	210	200
Unit 5	500	400
Unit 6	500	430
Unit 7	500	425
	2340	1800
Paras		
Unit 3	250	160
Unit 4	250	160
	500	320
Khaparkheda		
Unit 1	210	146
Unit 2	210	162
Unit 3	210	170
Unit 4	210	166
Unit 5	500	260
	1340	904
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	340
	852	340
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	20
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	
BHIRA T.R.	80	63
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	13
GHATGHAR	250	
	611	171
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	600	941
WARDHA	405	245
Adani	660	
Other CPPs	0	
	1665	1186
Tata		
Trombay 4	150	
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	80
Trombay 8	250	230
TATA Hydro	444	317
	2024	1747
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5439
	3455	5439