



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

State Load Dispatch Center, Airoli

Daily system Report

for

16/Nov/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 16/Nov/2012 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	114.638	1768.553	1) Gujrat	10.752	199.650
2) Hydro	4.026	155.440	2) Madhya Pradesh	14.680	285.970
3) Gas	7.252	135.703	3) Chattisgarh	11.940	196.100
Total MSGENCO	125.916	2059.696	4) Maharashtra	67.562	1144.156
B) 1) JSW JAIGAD	24.378	428.848	5) Goa	-5.726	-98.511
2) WPCL	5.776	108.279	6) TAPS 1&2 Injection	3.735	60.276
3) ADANI	0.000	81.500	7) RGPPL Injection	6.998	167.159
4) Other CPP / IPP	7.824	125.802	8) Pench (Excess)	-0.444	-9.433
5) Wind Generation	4.106	52.635	# Total Cent. Sector	109.497	1945.367
6) PENCH (MS)	0.444	10.092	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-9.170	-164.801
1) TPCL Thermal	26.597	428.635	G) Bilateral Power *		
2) TPCL Hydro	3.379	55.692	1) MSEDCL Bilateral	32.006	725.621
TOTAL TPCL	29.976	484.327	Include PX	0.000	51.467
3) REL Thermal	12.028	199.298	2) MUMBAI Bilateral	11.310	193.897
D) STATE			Include PX	1.423	28.916
1) Thermal (A1+C1+C3)	153.263	2396.486	3) MUMBAI Schedule	11.310	194.110
2) Hydro (A2+B5+C2)	7.849	221.224	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.252	135.703	1) MSEDCL	268.771	4647.418
4) Wind (B4)	4.106	52.635	2) TPCL	34.719	569.730
5) CPP (B1+B2+B3)	37.978	662.929	3) REL	16.482	278.736
TOTAL STATE	210.448	3468.977	TOTAL STATE	319.972	5495.884

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5034	4905	4782
MSGENCO Hydro	408	253	110
MSGENCO Gas	337	320	253
MSGENCO Total Generation	5779	5478	5145
Central Sector Receipt	5161	5004	3703
WIND	149	182	165
CPP / IPP	1635	1600	1516
Exchange with Mumbai	-314	-510	-357
MSEDCL DEMAND MET	12443	11797	10172
Load Shedding	609	51	15
MSEDCL DEMAND	13052	11848	10187
TPCL GENERATION	1681	1525	836
R-INFRA GENERATION	529	528	390
TPCL+R-INFRA DEMAND	2524	2563	1583
STATE DEMAND MET	14967	14360	11755
STATE DEMAND	15576	14411	11770
Frequency (Hz)	50.00	50.17	50.18

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.48 Hz at 14:09 Hrs	49.66 Hz at 17:10 Hrs	50.09	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 16/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	3.22	52.17	149	105	140
Unit 7	3.36	44.62	150	130	140
Total	6.59	96.79			280
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.73	62.58	165	145	150
Unit 4	7.70	62.43	389	278	0
Unit 5	0.00	6.27	0	0	0
Total	11.43	131.28			150
Parli					
Unit 3	0.00	22.53	0	0	0
Unit 4	3.78	55.03	175	133	166
Unit 5	3.51	19.45	160	137	151
Unit 6	0.00	24.39	0	0	0
Unit 7	5.07	68.21	241	140	193
Total	12.36	189.60			510
Chandrapur					
Unit 1	3.66	51.88	160	138	160
Unit 2	0.00	36.81	0	0	0
Unit 3	4.46	58.40	193	162	190
Unit 4	4.75	72.22	202	192	200
Unit 5	9.76	148.00	430	375	400
Unit 6	9.57	153.63	485	0	450
Unit 7	9.62	138.68	452	340	450
Total	41.81	659.62			1850
Paras					
Unit 3	4.82	70.22	220	169	200
Unit 4	4.92	70.36	222	167	200
Total	9.74	140.58			400
Khaparkheda					
Unit 1	2.65	58.56	150	0	170
Unit 2	3.36	58.52	160	105	170
Unit 3	3.69	63.50	162	146	170
Unit 4	3.77	63.24	181	150	170
Unit 5	7.07	113.46	345	268	300
Total	20.54	357.28			980
Nasik					
Unit 3	4.26	67.06	190	170	190
Unit 4	3.79	65.74	188	0	190
Unit 5	4.12	60.60	183	147	190
Total	12.17	193.40			570
Uran					
All Units	7.25	135.70	339	252	330
Total	7.25	135.70			330
PENCH (MS)					
Pench (MS)	0.44	10.09	48	0	0
Total	0.44	10.09			0
Koyna					
Stage 1-2	1.12	51.30	60	40	600
Stage 4	0.00	44.24	0	0	250
Stage 3	0.05	20.56	50	0	320
Kovna 12&4 Total	1.12	95.53			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	1.16	116.09			1170
Hydro					
KDPH	0.47	3.59	20	19	18
VTRNA	0.00	0.00	0	0	0
TILLARI	0.29	4.44	59	0	60
BHTGR/VEER	0.09	1.44	4	3	3
BHIRA T.R.	0.17	3.28	50	0	80
RNGR+BHTSA	0.40	5.77	17	16	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.50	7.39	26	18	10
GHATGHAR	0.94	13.44	250	0	0
Total	2.86	39.35			186
Wind					
MalharPeth	0.20	2.74			
Vankuswadi	0.31	4.85			
ATIT	0.04	1.86			
Kale	0.14	1.40			
Satara	1.43	8.98			
Shirala	0.17	1.95			
K Mahankal	0.04	3.34			
Supa	0.06	1.45			
Vita	0.97	8.68			
Dondaicha	0.36	8.85			
Sakri	0.03	0.89			
Nandurbar	0.03	0.64			
Khandke	0.14	4.72			
Khaparale	0.20	2.26			
Total	4.11	52.64			
CPP					
JSW JAIGAD	24.38	428.85	1049	950	1091
WARDHA	5.78	108.28	251	161	245
Adani	0.00	81.50	0	0	
Other CPPs	7.82	125.80			
Total	37.98	744.43			1336
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.14	172.36	505	286	500
Trombay 6	6.18	90.95	451	156	500
Trombay 7A	2.97	47.26	127	119	120
Trombay 7B	1.64	26.23	69	67	60
Trombay 8	5.67	91.84	254	193	250
TATA Hydro	3.38	55.69	306	0	306
Total	29.98	484.33			1736
REL					
1&2	12.03	199.30	529	389	500
Total	12.03	199.30			500
Cent Sect					
Share					5515
Total					5515

MS PG CL	Thermal	114.64	1768.55			4740
	Thml+Gas	121.89	1904.26			5070
	Hydro	4.03	155.44			1356
	Total	125.92	2059.70			6426
State Total		210.45	3468.98			15513

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 16/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	4786	105	253	5144	247	1512	4123	3870	-388	-531	10249	5	10254	1829	12083	50.04
2	4808	100	253	5161	214	1516	4066	3718	-382	-437	10172	15	10187	1666	11853	50.15
3	4782	110	253	5145	165	1516	4016	3703	-385	-357	10172	15	10187	1583	11770	50.18
4	4710	100	252	5062	176	1514	3995	3847	-364	-299	10300	16	10316	1524	11840	50.15
5	4663	105	254	5022	151	1587	3993	3975	-360	-295	10440	20	10460	1520	11980	50.10
6	4777	99	254	5130	112	1620	4423	4569	-355	-174	11257	70	11327	1568	12895	49.99
7	4925	104	254	5283	102	1632	4863	4598	-340	-211	11416	178	11594	1630	13224	50.07
8	5005	103	254	5362	58	1634	4894	5066	-384	-230	11916	464	12380	1735	14115	50.01
9	4994	156	339	5489	53	1628	4893	4581	-394	-247	11530	842	12372	1975	14347	49.97
10	5034	183	339	5556	66	1625	4769	4807	-398	-261	11819	682	12501	2297	14798	50.09
11	5034	408	337	5779	149	1635	4885	5161	-479	-314	12443	609	13052	2524	15576	50.00
12	4753	406	336	5495	177	1621	4992	5051	-594	-354	12003	825	12828	2581	15409	49.97
13	4659	328	331	5318	222	1618	5101	5062	-583	-411	11834	911	12745	2600	15345	50.02
14	4750	233	319	5302	197	1565	5017	4973	-537	-409	11654	791	12445	2478	14923	50.21
15	4821	208	317	5346	150	1533	4956	5012	-535	-387	11654	661	12315	2487	14802	50.15
16	4839	112	320	5271	148	1625	5051	4979	-531	-389	11634	549	12183	2480	14663	50.00
17	4891	112	323	5326	125	1634	5031	4886	-527	-437	11534	297	11831	2453	14284	50.05
18	4890	124	319	5333	112	1607	4509	4324	-396	-374	11002	86	11088	2424	13512	49.98
19	4905	253	320	5478	182	1600	5360	5004	-586	-510	11797	51	11848	2563	14411	50.17
20	4817	195	319	5331	213	1599	5519	5077	-586	-475	11789	60	11849	2544	14393	50.15
21	4710	173	328	5211	251	1604	5203	4538	-568	-523	11125	33	11158	2474	13632	50.22
22	4546	110	326	4982	261	1540	5069	4261	-563	-491	10601	30	10631	2251	12882	50.13
23	4329	97	326	4752	268	1503	4543	4217	-558	-509	10279	16	10295	2062	12357	50.18
24	4210	102	326	4638	307	1510	4244	4218	-516	-545	10151	9	10160	1926	12086	50.10
MUs	114.64	4.03	7.25	125.92	4.11	37.98	113.52	109.50	-11.31	-9.17	268.77	7.24	276.01	51.17	327.18	50.09

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 16/Nov/2012

Position as on 6.30 Hrs of 17/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.	
Uran Unit A0	120	15/11/2012	23.56		Continued.	A/OH.	
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.	
Parli Unit 6	250	07/11/2012	09.57		Continued.	Flame Failure.	
CPP Adani	660	09/11/2012	19.16		Continued.	Tripped due to Tripping of 400KV Wardha-Warora-I.	
Parli Unit 3	210	11/11/2012	22.25		Continued.	Water Shortage	
Chandrapur Unit 2	210	12/11/2012	00.15	17/11/2012	01.47	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.	
Uran Unit 5	108	14/11/2012	12.48		Continued.	Gas Shortage.	
Nasik Unit 4	210	16/11/2012	11.00	16/11/2012	13.20	Vacuum low.	
CPP WPCL U-3	135	16/11/2012	13.32	16/11/2012	14.21	Tripped.	
Khaparkheda Unit 1	210	16/11/2012	19.52		Continued.	BLR T/L.	20/11/2012
Chandrapur Unit 6	500	16/11/2012	22.11		Continued.	BLR T/L.	20/11/2012
Chandrapur Unit 2	210	17/11/2012	02.22		Continued.	Furnace pressure high.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 16/Nov/2012

Position as on 6.30 Hrs of 17/Nov/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d 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 FORCED OUTAGE		
Lamboti - Solapur (PGCIL)	16/11/2012	12.12	16/11/2012	15.38	To repair damaged conductor.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Solapur (PG) II	09/11/2012	12.07		Continued.	Hand tripped.
Dhule-Sar'Sarovar - I	13/11/2012	00.36	16/11/2012	06.19	Over Voltage.
Parly(PG) - Wardha (PG) - I	15/11/2012	20.53		Continued.	H/T For O/V
Dhule-Sar'Sarovar - II	15/11/2012	23.16		Continued.	Over Voltage.
Akola-Aurangabad--II	16/11/2012	22.25		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.
Akola - Wardha - I	16/11/2012	22.00		Continued.	Over Voltage.
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.
400/220 KV 600 MVA ICT - IV @ Padgha	16/11/2012	08.08	16/11/2012	20.07	Construction of fire wall & other work.
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).
Ambazari-Amravati	16/11/2012	08.37	16/11/2012	17.33	Repl.of Cut point string at various locations.
Uran-Kharghar-II	16/11/2012	09.08	16/11/2012	17.29	Repl.of one string at cutpoint tower.
Lote - N.Koyna	16/11/2012	09.28	16/11/2012	18.13	To attend hot spot.
Padegaon - Sawangi	16/11/2012	12.30	16/11/2012	15.10	Repl.of suspension insulator.
220/100KV 200MVA ICT-I at Kalwa	16/11/2012	14.20	16/11/2012	17.40	LV side CT oil leakage.
Khaparkheda-Ambazari - I	16/11/2012	16.28	16/11/2012	18.15	Hot Spot.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kalwa - Kalyan	16/11/2012	10.54	16/11/2012	16.05	Maintenance work.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Kalwa-C'chem	16/11/2012	12.23	16/11/2012	15.28	Insulator replacement.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 16/Nov/2012

Position as on 6.30 Hrs of 17/Nov/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
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.
Karad - Newkoyna - I	13/11/2012	17.02		Continued.	Over Voltage.
Padgha - Nagothane - I	13/11/2012	22.00		Continued.	Over Voltage.
Karad - Kolhapur - I	15/11/2012	17.33		Continued.	H/T for O/V
Lonikand- Koyna Stage IV	15/11/2012	21.10	16/11/2012	10.26	H/T for O/V
Lonikand- Koyna Stage IV	16/11/2012	21.01		Continued.	Over Voltage.
400/220 KV 315 MVA ICT @ Akola	16/11/2012	21.50	16/11/2012	22.03	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
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	16/11/2012	10.05	Over Voltage.
Karad - Kolhapur - II	16/11/2012	16.45		Continued.	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 17/Nov/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	115
Unit 7	210	145
	620	260
Bhusawal		
Unit 2	210	0
Unit 3	210	150
Unit 4	500	300
Unit 5	500	
	1420	450
Parli		
Unit 3	210	0
Unit 4	210	160
Unit 5	210	150
Unit 6	250	0
Unit 7	250	165
	1130	475
Chandrapur		
Unit 1	210	160
Unit 2	210	0
Unit 3	210	175
Unit 4	210	200
Unit 5	500	425
Unit 6	500	0
Unit 7	500	450
	2340	1410
Paras		
Unit 3	250	225
Unit 4	250	225
	500	450
Khaparkheda		
Unit 1	210	0
Unit 2	210	170
Unit 3	210	170
Unit 4	210	170
Unit 5	500	300
	1340	810
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	330
	852	330
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	18
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	3
BHIRA T.R.	80	40
RNGR+BHTSA	20	14
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	145
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	945
WARDHA	405	245
Adani	660	
Other CPPs	0	
	1665	1190
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	306
	2024	1736
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5632
	3455	5632