



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

State Load Dispatch Center, Airoli

Daily system Report

for

15/Nov/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 15/Nov/2012 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	118.200	1653.915	1) Gujrat	15.463	188.898
2) Hydro	4.759	151.414	2) Madhya Pradesh	15.137	271.290
3) Gas	6.801	128.451	3) Chattisgarh	11.870	184.160
Total MSGENCO	129.760	1933.780	4) Maharashtra	62.729	1076.594
B) 1) JSW JAIGAD	23.296	404.470	5) Goa	-5.692	-92.785
2) WPCL	5.922	102.503	6) TAPS 1&2 Injection	3.699	56.541
3) ADANI	0.000	81.500	7) RGPPL Injection	6.822	160.161
4) Other CPP / IPP	7.968	117.978	8) Pench (Excess)	-0.365	-8.989
5) Wind Generation	4.057	48.529	# Total Cent. Sector	109.663	1835.870
6) PENCH (MS)	0.365	9.648	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-9.625	-155.631
1) TPCL Thermal	23.680	402.038	G) Bilateral Power *		
2) TPCL Hydro	2.977	52.313	1) MSEDCL Bilateral	31.894	693.616
TOTAL TPCL	26.657	454.351	Include PX	0.000	51.467
3) REL Thermal	12.092	187.270	2) MUMBAI Bilateral	11.652	182.588
D) STATE			Include PX	1.608	27.493
1) Thermal (A1+C1+C3)	153.972	2243.223	3) MUMBAI Schedule	11.652	182.800
2) Hydro (A2+B5+C2)	8.101	213.375	H) ENERGY CATERED (MUs)		
3) Gas (A3)	6.801	128.451	1) MSEDCL	271.406	4378.647
4) Wind (B4)	4.057	48.529	2) TPCL	32.634	535.011
5) CPP (B1+B2+B3)	37.186	624.951	3) REL	15.740	262.254
TOTAL STATE	210.117	3258.529	TOTAL STATE	319.780	5175.912

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	5056	4956	4720
MSGENCO Hydro	299	524	100
MSGENCO Gas	300	303	263
MSGENCO Total Generation	5655	5783	5083
Central Sector Receipt	5133	5136	3940
WIND	292	117	171
CPP / IPP	1538	1511	1513
Exchange with Mumbai	-363	-453	-361
MSEDCL DEMAND MET	12255	12139	10346
Load Shedding	59	54	56
MSEDCL DEMAND	12314	12193	10402
TPCL GENERATION	1401	1361	829
R-INFRA GENERATION	528	527	392
TPCL+R-INFRA DEMAND	2292	2341	1582
STATE DEMAND MET	14547	14480	11928
STATE DEMAND	14606	14534	11984
Frequency (Hz)	50.16	50.06	49.94

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.63 Hz at 14.00 Hrs	49.61 Hz at 17.53 Hrs	50.06	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 15/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	3.35	48.94	146	122	130
Unit 7	3.36	41.26	150	125	140
Total	6.72	90.20			270
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.74	58.85	170	140	165
Unit 4	7.20	54.73	374	240	0
Unit 5	0.00	6.27	0	0	0
Total	10.94	119.86			165
Parli					
Unit 3	0.00	22.53	0	0	0
Unit 4	3.65	51.25	166	135	150
Unit 5	3.55	15.94	169	126	160
Unit 6	0.00	24.39	0	0	0
Unit 7	4.42	63.14	219	166	160
Total	11.63	177.24			470
Chandrapur					
Unit 1	3.72	48.22	161	148	160
Unit 2	0.00	36.81	0	0	0
Unit 3	4.53	53.94	201	178	200
Unit 4	4.67	67.47	203	187	200
Unit 5	10.00	138.24	450	375	425
Unit 6	10.99	144.06	485	410	450
Unit 7	10.12	129.06	460	390	425
Total	44.04	617.81			1860
Paras					
Unit 3	4.59	65.40	215	167	200
Unit 4	4.63	65.44	217	164	200
Total	9.22	130.84			400
Khaparkheda					
Unit 1	3.84	55.92	185	145	160
Unit 2	3.72	55.16	175	135	160
Unit 3	4.07	59.81	202	145	160
Unit 4	3.93	59.47	178	147	160
Unit 5	7.44	106.39	332	273	300
Total	23.00	336.74			940
Nasik					
Unit 3	4.23	62.80	185	165	190
Unit 4	4.24	61.95	188	158	190
Unit 5	4.19	56.48	185	160	190
Total	12.66	181.23			570
Uran					
All Units	6.80	128.45	304	262	290
Total	6.80	128.45			290
PENCH (MS)					
Pench (MS)	0.36	9.65	47	0	
Total	0.36	9.65			
Koyna					
Stage 1-2	1.42	50.18	145	40	600
Stage 4	0.00	44.24	0	0	250
Stage 3	0.68	20.51	170	0	320
Kovna 12&4 Total	1.42	94.42			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.09	114.93			1170
Hydro					
KDPH	0.47	3.12	20	19	20
VTRNA	0.00	0.00	0	0	0
TILLARI	0.28	4.14	60	0	60
BHTGR/VEER	0.07	1.36	3	2	0
BHIRA T.R.	0.12	3.12	56	0	41
RNGR+BHTSA	0.40	5.37	17	16	5
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.36	6.89	21	12	6
GHATGHAR	0.98	12.49	191	0	0
Total	2.67	36.49			132
Wind					
MalharPeth	0.19	2.54			
Vankuswadi	0.32	4.55			
ATIT	0.04	1.82			
Kale	0.10	1.27			
Satara	0.10	7.55			
Shirala	0.12	1.78			
K Mahankal	1.15	3.31			
Supa	0.05	1.40			
Vita	0.73	7.71			
Dondaicha	0.84	8.49			
Sakri	0.07	0.86			
Nandurbar	0.04	0.61			
Khandke	0.17	4.58			
Khaparale	0.14	2.06			
Total	4.06	48.53			
CPP					
JSW JAIGAD	23.30	404.47	1044	949	1091
WARDHA	5.92	102.50	249	244	245
Adani	0.00	81.50	0	0	
Other CPPs	7.97	117.98			
Total	37.19	706.45			1336
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.56	162.22	507	283	500
Trombay 6	3.76	84.77	158	154	500
Trombay 7A	2.97	44.29	127	120	120
Trombay 7B	1.63	24.59	69	67	60
Trombay 8	5.76	86.16	255	197	250
TATA Hydro	2.98	52.31	294	0	317
Total	26.66	454.35			1747
REL					
1&2	12.09	187.27	529	392	500
Total	12.09	187.27			500
Cent Sect					
Share					4979
Total					4979

MS PG CL	Thermal	118.20	1653.92			4675
	Thml+Gas	125.00	1782.37			4965
	Hydro	4.76	151.41			1302
	Total	129.76	1933.78			6267
State Total		210.12	3258.53			14829

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 15/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	4931	99	263	5293	136	1511	4150	3881	-463	-559	10262	82	10344	1891	12235	50.04
2	4821	89	263	5173	143	1508	4065	3996	-400	-497	10323	56	10379	1723	12102	50.02
3	4689	90	263	5042	149	1506	4061	4023	-396	-418	10302	56	10358	1642	12000	50.03
4	4720	100	263	5083	171	1513	4061	3940	-396	-361	10346	56	10402	1582	11984	49.94
5	4650	95	263	5008	167	1513	4061	4244	-395	-329	10610	56	10666	1569	12235	50.01
6	4766	110	262	5138	124	1615	4363	4643	-395	-212	11333	56	11389	1620	13009	49.99
7	4882	151	263	5296	139	1631	4821	4524	-391	-243	11372	61	11433	1659	13092	50.03
8	4986	138	263	5387	81	1651	4828	4858	-398	-274	11728	59	11787	1735	13522	50.00
9	5056	241	263	5560	73	1659	4831	4612	-404	-265	11664	56	11720	1901	13621	50.02
10	5111	176	264	5551	100	1652	4838	4625	-412	-296	11635	56	11691	2123	13814	50.03
11	5006	215	300	5521	208	1554	4975	5055	-523	-376	11962	59	12021	2268	14289	50.01
12	5056	299	300	5655	292	1538	5097	5133	-560	-363	12255	59	12314	2292	14606	50.16
13	5059	184	293	5536	233	1546	5052	4952	-552	-348	11919	113	12032	2277	14309	50.12
14	5055	91	296	5442	242	1547	4973	4864	-527	-370	11725	56	11781	2208	13989	50.16
15	5007	101	290	5398	196	1542	4894	4909	-504	-362	11683	55	11738	2184	13922	50.12
16	5038	298	290	5626	221	1539	4884	5043	-500	-451	11978	55	12033	2163	14196	50.10
17	4990	347	295	5632	150	1549	4684	4681	-474	-510	11502	55	11557	2117	13674	50.04
18	5000	280	298	5578	110	1517	4252	4395	-442	-411	11209	55	11264	2111	13375	50.05
19	4952	573	299	5824	76	1520	5127	5059	-585	-437	12087	54	12141	2310	14451	50.07
20	4956	524	303	5783	117	1511	5336	5136	-642	-453	12139	54	12193	2341	14534	50.06
21	4971	263	302	5536	193	1520	4935	4673	-605	-453	11516	54	11570	2300	13870	50.11
22	4941	101	300	5342	219	1519	4804	4292	-571	-490	10929	54	10983	2222	13205	50.16
23	4819	92	304	5215	218	1517	4554	4093	-574	-533	10534	54	10588	2137	12725	50.08
24	4734	102	301	5137	299	1508	4248	4031	-543	-614	10388	54	10442	1999	12441	50.16
MUs	118.20	4.76	6.80	129.76	4.06	37.19	111.89	109.66	-11.65	-9.62	271.40	1.42	272.83	48.37	321.20	50.06

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 15/Nov/2012

Position as on 6.30 Hrs of 16/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	
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

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 15/Nov/2012

Position as on 6.30 Hrs of 16/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 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.
765 KV Seoni-Wardha-II	14/11/2012	21.12	15/11/2012	7.59	Over Voltage.
Parly(PG) - Wardha (PG) - I	14/11/2012	22.18	15/11/2012	7.18	Over Voltage.
Solapur PG - Parly PG - I	14/11/2012	22.38	15/11/2012	6.37	Over Voltage.
Dhule-Sar'Sarovar - II	15/11/2012	00.50	15/11/2012	05.44	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).
Kalwa - Bapgaon	15/11/2012	20.09	15/11/2012	21.27	To attend hot spot on B-Ph CT.
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.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 15/Nov/2012

Position as on 6.30 Hrs of 16/Nov/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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.
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.
Karad - Kolhapur - I	12/11/2012	16:02	15/11/2012	9.43	H/T for O/V
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.
Lonikand- Koyna Stage IV	14/11/2012	16.42	15/11/2012	9.29	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.
Chandrapur - Warora	15/11/2012	09.15	15/11/2012	09.20	To control 220KV Wardha-Y'mal loading.
Khaperkheda - Wardha.	15/11/2012	18.19	15/11/2012	18.25	To control 220KV Wardha-Y'mal 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.
Voltage Level : 220KV			Outage Type TRIPPED		
Uran-Kharghar-II	15/11/2012	12.39	15/11/2012	12.54	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 16/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	150
Unit 4	500	0
Unit 5	500	0
	1420	150
Parli		
Unit 3	210	0
Unit 4	210	166
Unit 5	210	151
Unit 6	250	0
Unit 7	250	193
	1130	510
Chandrapur		
Unit 1	210	160
Unit 2	210	0
Unit 3	210	190
Unit 4	210	200
Unit 5	500	400
Unit 6	500	450
Unit 7	500	450
	2340	1850
Paras		
Unit 3	250	200
Unit 4	250	200
	500	400
Khaparkheda		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	170
Unit 4	210	170
Unit 5	500	300
	1340	980
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	0
	53	0
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	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	186
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	1091
WARDHA	405	245
Adani	660	
Other CPPs	0	
	1665	1336
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	5515
	3455	5515