



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

State Load Dispatch Center, Airoli

Daily system Report

for

10/Nov/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 10/Nov/2012 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	115.338	1085.225	1) Gujrat	9.910	106.902
2) Hydro	11.093	117.924	2) Madhya Pradesh	19.281	192.480
3) Gas	9.772	83.419	3) Chattisgarh	12.790	124.540
Total MSGENCO	136.203	1286.568	4) Maharashtra	76.795	730.623
B) 1) JSW JAIGAD	27.444	273.742	5) Goa	-6.427	-65.629
2) WPCL	5.886	72.974	6) TAPS 1&2 Injection	3.715	37.693
3) ADANI	0.000	81.500	7) RGPPL Injection	12.093	123.490
4) Other CPP / IPP	8.243	75.996	8) Pench (Excess)	-1.090	-6.783
5) Wind Generation	2.174	30.304	# Total Cent. Sector	127.067	1243.316
6) PENCH (MS)	1.090	7.442	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-7.340	-108.647
1) TPCL Thermal	27.440	279.755	G) Bilateral Power *		
2) TPCL Hydro	4.410	39.535	1) MSEDCL Bilateral	43.964	493.328
TOTAL TPCL	31.850	319.290	Include PX	6.131	34.009
3) REL Thermal	12.613	125.104	2) MUMBAI Bilateral	8.596	129.411
D) STATE			Include PX	-0.894	23.368
1) Thermal (A1+C1+C3)	155.391	1490.084	3) MUMBAI Schedule	8.596	129.411
2) Hydro (A2+B5+C2)	16.593	164.901	H) ENERGY CATERED (MUs)		
3) Gas (A3)	9.772	83.419	1) MSEDCL	300.767	2963.195
4) Wind (B4)	2.174	30.304	2) TPCL	34.564	371.476
5) CPP (B1+B2+B3)	41.573	422.712	3) REL	17.264	181.588
TOTAL STATE	225.503	2191.420	TOTAL STATE	352.595	3516.259

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4759	4737	4725
MSGENCO Hydro	1041	650	110
MSGENCO Gas	296	380	471
MSGENCO Total Generation	6096	5767	5306
Central Sector Receipt	6321	5780	4417
WIND	78	52	105
CPP / IPP	1812	1816	1599
Exchange with Mumbai	-440	-304	-212
MSEDCL DEMAND MET	13919	13163	11228
Load Shedding	776	477	220
MSEDCL DEMAND	14695	13640	11448
TPCL GENERATION	1589	1596	911
R-INFRA GENERATION	527	526	526
TPCL+R-INFRA DEMAND	2556	2426	1649
STATE DEMAND MET	16475	15589	12877
STATE DEMAND	17251	16066	13097
Frequency (Hz)	49.94	49.95	50.10

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.42 Hz at 20:55 Hrs	49.6 Hz at 08:40 Hrs	49.99	0 % of Time(min)

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and TPCL bilateral power.

Shift Engineer

Shift Incharge

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 10/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	3.13	32.66	140	121	125
Unit 7	3.42	24.87	160	125	145
Total	6.56	57.53			270
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	4.54	38.58	200	160	170
Unit 4	6.61	17.42	343	168	0
Unit 5	0.00	6.06	0	0	0
Total	11.15	62.05			170
Parli					
Unit 3	2.88	19.80	135	97	122
Unit 4	3.12	34.25	158	112	121
Unit 5	0.00	0.00	0	0	0
Unit 6	0.00	24.39	0	0	0
Unit 7	5.08	39.87	243	134	222
Total	11.09	118.31			465
Chandrapur					
Unit 1	3.66	29.97	159	143	150
Unit 2	3.72	33.37	162	138	150
Unit 3	4.46	32.26	201	156	200
Unit 4	4.54	44.04	197	180	200
Unit 5	9.16	94.79	410	310	400
Unit 6	9.37	98.23	425	365	400
Unit 7	8.76	85.04	430	296	380
Total	43.67	417.71			1880
Paras					
Unit 3	3.74	43.74	172	135	175
Unit 4	3.52	44.26	164	134	150
Total	7.25	88.00			325
Khaparkheda					
Unit 1	3.43	36.68	155	125	160
Unit 2	3.66	37.06	180	120	160
Unit 3	4.41	41.06	210	160	170
Unit 4	3.81	39.19	171	150	170
Unit 5	7.58	69.14	348	291	300
Total	22.89	223.13			960
Nasik					
Unit 3	4.38	41.46	200	165	190
Unit 4	4.16	41.26	188	160	190
Unit 5	4.20	35.77	191	161	190
Total	12.73	118.49			570
Uran					
All Units	9.77	83.42	475	288	450
Total	9.77	83.42			450
PENCH (MS)					
Pench (MS)	1.09	7.44	53	6	0
Total	1.09	7.44			0
Koyna					
Stage 1-2	4.72	38.38	450	40	600
Stage 4	2.26	38.43	376	0	250
Stage 3	1.34	16.58	230	0	320
Kovna 12&4 Total	6.98	76.82			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	8.32	93.40			1170
Hydro					
KDPH	0.47	0.78	20	19	0
VTRNA	0.00	0.00	0	0	0
TILLARI	0.26	2.72	60	0	60
BHTGR/VEER	0.07	1.00	4	3	3
BHIRA T.R.	0.26	2.30	82	0	80
RNGR+BHTSA	0.40	3.77	17	16	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.32	5.06	19	10	8
GHATGHAR	0.99	8.90	120	0	0
Total	2.77	24.52			166
Wind					
MalharPeth	0.08	1.80			
Vankuswadi	0.16	3.14			
ATIT	0.01	0.39			
Kale	0.03	0.95			
Satara	0.39	6.28			
Shirala	0.02	1.32			
K Mahankal	0.02	0.84			
Supa	0.04	0.95			
Vita	0.39	4.50			
Dondaicha	0.48	5.10			
Sakri	0.04	0.59			
Nandurbar	0.04	0.36			
Khandke	0.38	2.72			
Khaparale	0.10	1.36			
Total	2.17	30.30			
CPP					
JSW JAIGAD	27.44	273.74	1202	1030	1090
WARDHA	5.89	72.97	249	242	245
Adani	0.00	81.50	0	0	
Other CPPs	8.24	76.00			
Total	41.57	504.21			1335
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.22	112.11	506	289	500
Trombay 6	5.71	65.07	390	155	500
Trombay 7A	2.96	29.50	128	119	120
Trombay 7B	1.64	16.42	69	68	60
Trombay 8	5.90	56.65	255	194	250
TATA Hydro	4.41	39.54	306	0	318
Total	31.85	319.29			1748
REL					
1&2	12.61	125.10	528	523	500
Total	12.61	125.10			500
Cent Sect					
Share					5349
Total					5349

MS PG CL	Thermal	115.34	1085.22			4640
	Thml+Gas	125.11	1168.64			5090
	Hydro	11.09	117.92			1336
	Total	136.20	1286.57			6426
State Total		225.50	2191.42			15358

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 10/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	4705	335	469	5509	110	1594	4635	4674	-381	-249	11689	33	11722	1893	13615	50.07
2	4655	205	469	5329	109	1594	4518	4658	-260	-155	11586	113	11699	1735	13434	50.02
3	4725	110	471	5306	105	1599	4408	4417	-183	-212	11228	220	11448	1649	13097	50.10
4	4794	96	472	5362	99	1589	4475	4498	-253	-228	11329	232	11561	1584	13145	50.01
5	4785	96	472	5353	76	1593	4459	4665	-245	-203	11509	263	11772	1564	13336	49.93
6	4869	276	472	5617	86	1601	4804	4727	-151	-89	11992	416	12408	1637	14045	49.92
7	4982	111	475	5568	161	1635	5291	5152	-227	-105	12462	754	13216	1676	14892	50.07
8	4926	308	474	5708	174	1746	5321	5460	-280	-133	13008	744	13752	1763	15515	50.01
9	4911	402	346	5659	154	1797	5200	5554	-220	-147	13069	751	13820	1966	15786	49.86
10	4733	648	308	5689	168	1795	5764	6101	-372	-319	13486	587	14073	2275	16348	49.91
11	4837	903	304	6044	122	1802	5922	6306	-499	-468	13858	550	14408	2520	16928	49.87
12	4759	1041	296	6096	78	1812	5966	6321	-531	-440	13919	776	14695	2556	17251	49.94
13	4838	984	309	6131	22	1802	5958	6213	-515	-437	13783	892	14675	2551	17226	49.89
14	4790	904	288	5982	38	1802	5781	5862	-395	-372	13364	792	14156	2503	16659	50.00
15	4828	1008	290	6126	43	1815	5849	5920	-392	-340	13616	683	14299	2475	16774	49.98
16	4699	909	307	5915	39	1818	5831	5809	-383	-330	13303	559	13862	2451	16313	49.95
17	4737	650	380	5767	52	1816	5796	5780	-367	-304	13163	477	13640	2426	16066	49.95
18	4700	701	450	5851	59	1783	4882	4721	-299	-285	12181	466	12647	2420	15067	49.92
19	4767	705	455	5927	58	1776	5214	5186	-421	-381	12619	441	13060	2550	15610	50.03
20	4899	283	454	5636	58	1774	5422	5249	-466	-441	12329	480	12809	2539	15348	50.02
21	4857	126	460	5443	99	1753	5393	5407	-459	-499	12255	264	12519	2481	15000	50.12
22	4800	96	450	5346	110	1740	5295	5057	-450	-457	11847	165	12012	2355	14367	50.15
23	4907	88	451	5446	74	1770	4989	4708	-441	-407	11643	44	11687	2182	13869	50.06
24	4835	108	450	5393	80	1767	4670	4622	-407	-339	11529	24	11553	2052	13605	49.95
MUs	115.34	11.09	9.77	136.20	2.17	41.57	125.84	127.07	-8.60	-7.34	300.77	10.73	311.49	51.80	363.30	49.99

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 10/Nov/2012

Position as on 6.30 Hrs of 11/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.	
Parli Unit 5	210	06/09/2012	04.20	10/11/2012	23.58	Flame failure,converted to C.O.H from 15.09.2012(intimated on	
Koradi Unit 5	200	16/09/2012	04.23		Continued.	Low Bunkering, Converted to C O H from 20/09/2012.	12/11/2012
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.	12/11/2012
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.	
Uran Unit 5	108	10/11/2012	09.04	10/11/2012	15.05	Filter replacement	
Uran Unit A0	120	10/11/2012	09.04	10/11/2012	17.32	Filter replacement	
Khaparkheda Unit 3	210	11/11/2012	08.22	11/11/2012	16.52	Turbine Problem	
Dabhol 3X	290	11/11/2012	15.20		Continued.	Gas Shortage	
Dabhol 3A	230	11/11/2012	15.22		Continued.	Gas Shortage	
Tata Trombay 6	500	11/11/2012	21.56		Continued.	Low Vaccum Protection	
Parli Unit 3	210	11/11/2012	22.25		Continued.	Water Shortage	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 10/Nov/2012

Position as on 6.30 Hrs of 11/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		Continued.	Over Voltage.
Kolhapur-Solapur (PG) II	09/11/2012	12.07		Continued.	Hand tripped.
Dhule - S'Sarovar- II	11/11/2012	23.31		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha - Deoli (PGCIL)	11/11/2012	23.11		Continued.	Hand Tripped by WRDLC for Over Drawal
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Sar'Sarovar - I	09/11/2012	05.22	11/11/2012	10.17	Over Voltage.
Warora - Tiroda - II	09/11/2012	19.16		Continued.	Tripped due to Warora-Wardha(PG)-I on O/V.(Isolator problem at Tiroda)
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.
Main Bus-II @ Kolhapur	08/11/2012	10.41	10/11/2012	14.57	Maintenance work.
Padgha - Kharghar	09/11/2012	07.13	10/11/2012	18.44	Conductor replacement work.
400/220KV 315MVA ICT at Akola.	09/11/2012	11.35	10/11/2012	08.19	Transformer test to be carried out on R ph.Ready to take in service at 19.43 hrs.
Koradi -Bhusawal	09/11/2012	12.16	10/11/2012	06.24	Repl.of faulty Y and B ph.isolator of Koradi bay.Ready for charging at 02.15 hrs.
Main Bus - II at Bhusawal	09/11/2012	12.17	10/11/2012	06.20	Repl. of faulty Y and B ph.isolator of M.B.-II
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 - Kharghar	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
220/100KV,200MVA ICT-II at Apta	09/11/2012	09.44		Continued.	Isolator replacement work.
Apta-Tambati	10/11/2012	10.00	10/11/2012	19.07	C.T. Jumpering work
Nasik-Raymond	10/11/2012	11.11	10/11/2012	18.43	Tan Delta measurement
Padgha-Jambhul	10/11/2012	11.19	10/11/2012	14.03	To rectify the blocking of Distance Relay
Kalwa - Borivali	11/11/2012	05.53	11/11/2012	09.05	Hot Spot
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220/100KV 200 MVA ICT-II @ Padgha	10/11/2012	12.38	10/11/2012	18.13	Heavy Oil Leakage from B Phase HV CT of ICT
Voltage Level : 400KV			Outage Type HAND TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 10/Nov/2012

Position as on 6.30 Hrs of 11/Nov/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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	09/11/2012	16.25	10/11/2012	09.40	Over Voltage.
Bhusawal- Aurangabad	09/11/2012	17.35	10/11/2012	11.07	Over Voltage.
Karad - Kolhapur - II	10/11/2012	16.23		Continued.	Over Voltage
Bhusawal- Aurangabad	10/11/2012	17.18	11/11/2012	08.17	Over Voltage
Bhusawal- Aurangabad	11/11/2012	17.02		Continued.	Over Voltage
Lonikand- Koyna Stage IV	11/11/2012	21.56		Continued.	Over Voltage
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.
Voltage Level : 220KV			Outage Type TRIPPED		
BBLSR-A"Nagar II	10/11/2012	05.09	10/11/2012	10.06	Distance protection.Declared faulty.
Pedambe - Oni	10/11/2012	11.12	10/11/2012	12.16	Distance Protection
Oni - Kharepatan	10/11/2012	11.12	10/11/2012	11.27	Distance Protection
Kalwa-Trombay	10/11/2012	14.14	10/11/2012	14.42	Distance Protection
Karad-Oglewadi-I	11/11/2012	12.19	11/11/2012	12.47	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 11/Nov/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	140
Unit 7	210	145
	620	285
Bhusawal		
Unit 2	210	0
Unit 3	210	170
Unit 4	500	0
Unit 5	500	0
	1420	170
Parli		
Unit 3	210	140
Unit 4	210	150
Unit 5	210	50
Unit 6	250	0
Unit 7	250	160
	1130	500
Chandrapur		
Unit 1	210	160
Unit 2	210	150
Unit 3	210	195
Unit 4	210	190
Unit 5	500	275
Unit 6	500	420
Unit 7	500	280
	2340	1670
Paras		
Unit 3	250	150
Unit 4	250	150
	500	300
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	160
Unit 4	210	160
Unit 5	500	300
	1340	940
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	450
	852	450
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	3
BHIRA T.R.	80	80
RNGR+BHTSA	20	16
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	7
GHATGHAR	250	0
	611	166
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	1090
WARDHA	405	245
Adani	660	
Other CPPs	0	
	1665	1335
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	318
	2024	1748
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5422
	3455	5422