



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

State Load Dispatch Center, Airoli

Daily system Report

for

24/Nov/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 24/Nov/2012 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	123.125	2665.600	1) Gujrat	10.696	293.671
2) Hydro	10.247	219.717	2) Madhya Pradesh	15.051	420.065
3) Gas	9.083	197.514	3) Chattisgarh	12.160	290.910
Total MSGENCO	142.455	3082.831	4) Maharashtra	73.740	1702.527
B) 1) JSW JAIGAD	26.501	634.471	5) Goa	-5.598	-142.042
2) WPCL	8.839	174.404	6) TAPS 1&2 Injection	3.606	90.029
3) ADANI	0.000	81.500	7) RGPPL Injection	9.586	244.443
4) Other CPP / IPP	9.959	201.929	8) Pench (Excess)	-0.372	-12.897
5) Wind Generation	1.476	84.878	# Total Cent. Sector	118.869	2886.706
6) PENCH (MS)	0.372	13.556	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-10.773	-230.828
1) TPCL Thermal	19.877	621.725	G) Bilateral Power *		
2) TPCL Hydro	4.568	81.433	1) MSEDCL Bilateral	38.746	1033.914
TOTAL TPCL	24.445	703.158	Include PX	-1.239	53.621
3) REL Thermal	12.659	294.369	2) MUMBAI Bilateral	8.967	272.383
D) STATE			Include PX	-2.859	17.983
1) Thermal (A1+C1+C3)	155.661	3581.694	3) MUMBAI Schedule	11.211	274.840
2) Hydro (A2+B5+C2)	15.187	314.706	H) ENERGY CATERED (MUs)		
3) Gas (A3)	9.083	197.514	1) MSEDCL	297.698	6929.447
4) Wind (B4)	1.476	84.878	2) TPCL	32.151	828.291
5) CPP (B1+B2+B3)	45.299	1010.804	3) REL	15.726	400.100
TOTAL STATE	226.706	5189.596	TOTAL STATE	345.575	8157.838

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	5055	5052	5287
MSGENCO Hydro	1402	376	109
MSGENCO Gas	310	328	443
MSGENCO Total Generation	6767	5756	5839
Central Sector Receipt	5488	5540	3901
WIND	97	23	81
CPP / IPP	2029	2020	1589
Exchange with Mumbai	-640	-463	-439
MSEDCL DEMAND MET	13754	12876	10971
Load Shedding	783	460	165
MSEDCL DEMAND	14537	13336	11136
TPCL GENERATION	1247	1251	601
R-INFRA GENERATION	528	528	529
TPCL+R-INFRA DEMAND	2415	2242	1569
STATE DEMAND MET	16169	15118	12540
STATE DEMAND	16952	15578	12705
Frequency (Hz)	49.92	49.88	50.04

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.39 Hz at 20:40 Hrs	49.51 Hz at 16:25 Hrs	50.01	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 24/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	3.46	77.88	154	128	140
Unit 7	3.72	70.82	170	130	160
Total	7.18	148.70			300
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	4.08	96.35	195	160	170
Unit 4	5.57	112.13	290	180	0
Unit 5	2.50	10.85	186	73	0
Total	12.15	219.33			170
Parli					
Unit 3	3.15	37.16	143	112	130
Unit 4	3.71	71.68	165	137	155
Unit 5	0.00	32.44	0	0	0
Unit 6	0.00	24.39	0	0	0
Unit 7	4.54	104.20	233	140	140
Total	11.40	269.86			425
Chandrapur					
Unit 1	3.63	80.97	155	146	160
Unit 2	3.67	62.95	162	103	160
Unit 3	4.69	95.62	203	185	200
Unit 4	4.50	108.58	201	163	200
Unit 5	9.94	224.97	445	370	425
Unit 6	10.72	199.34	465	425	450
Unit 7	9.28	213.53	434	335	400
Total	46.44	985.95			1995
Paras					
Unit 3	5.22	110.51	236	204	250
Unit 4	5.31	111.85	250	191	250
Total	10.53	222.37			500
Khaparkheda					
Unit 1	4.42	68.18	205	160	170
Unit 2	3.72	87.83	170	125	170
Unit 3	4.51	98.38	204	156	180
Unit 4	4.49	97.06	200	172	180
Unit 5	6.32	177.02	316	170	350
Total	23.47	528.47			1050
Nasik					
Unit 3	4.34	98.26	195	130	190
Unit 4	3.97	99.04	182	103	190
Unit 5	3.66	93.63	190	0	190
Total	11.97	290.92			570
Uran					
All Units	9.08	197.51	447	306	440
Total	9.08	197.51			440
PENCH (MS)					
Pench (MS)	0.37	13.56	50	0	0
Total	0.37	13.56			0
Koyna					
Stage 1-2	2.57	71.18	410	40	440
Stage 4	2.44	54.60	564	0	250
Stage 3	1.38	27.17	240	0	320
Kovna 12&4 Total	5.01	125.78			690

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	6.39	152.94			1010
Hydro					
KDPH	0.47	7.31	20	19	20
VTRNA	0.17	1.15	61	0	61
TILLARI	0.24	6.72	59	0	60
BHTGR/VEER	0.08	2.03	4	3	4
BHIRA T.R.	0.24	4.52	81	0	80
RNGR+BHTSA	0.36	8.68	16	7	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.77	13.74	38	30	9
GHATGHAR	1.52	22.62	250	0	0
Total	3.86	66.77			249
Wind					
MalharPeth	0.11	4.90			
Vankuswadi	0.19	8.63			
ATIT	0.02	2.40			
Kale	0.04	2.48			
Satara	0.42	14.28			
Shirala	0.05	3.25			
K Mahankal	0.01	6.51			
Supa	0.08	2.13			
Vita	0.12	12.77			
Dondaicha	0.25	14.05			
Sakri	0.03	1.71			
Nandurbar	0.01	0.99			
Khandke	0.12	6.76			
Khaparale	0.03	4.02			
Total	1.48	84.88			
CPP					
JSW JAIGAD	26.50	634.47	1215	823	1100
WARDHA	8.84	174.40	371	365	367
Adani	0.00	81.50	0	0	
Other CPPs	9.96	191.52			
Total	45.30	1081.89			1467
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	237.73	2	0	0
Trombay 6	9.24	136.18	503	156	500
Trombay 7A	2.99	71.30	127	120	120
Trombay 7B	1.66	39.47	70	68	60
Trombay 8	5.99	137.04	254	204	250
TATA Hydro	4.57	81.43	306	0	318
Total	24.44	703.16			1248
REL					
1&2	12.66	294.37	529	526	500
Total	12.66	294.37			500
Cent Sect					
Share					4431
Total					4431

MS PG CL	Thermal	123.12	2665.60			5010
	Thml+Gas	132.21	2863.11			5450
	Hydro	10.25	219.72			1259
	Total	142.46	3082.83			6709
State Total		226.71	5189.60			14355

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 24/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	5288	169	443	5900	105	1593	3590	4207	-320	-549	11256	71	11327	1709	13036	50.04
2	5287	109	443	5839	81	1589	3664	3901	-260	-439	10971	165	11136	1569	12705	50.04
3	5315	109	443	5867	74	1672	3868	4031	-227	-364	11280	184	11464	1496	12960	50.14
4	5317	114	443	5874	80	1738	3881	3984	-233	-319	11357	196	11553	1449	13002	50.13
5	5276	114	443	5833	87	1787	3876	4147	-228	-304	11550	240	11790	1437	13227	50.05
6	5304	119	447	5870	73	1834	4121	4568	-219	-303	12042	397	12439	1525	13964	49.93
7	5146	108	446	5700	71	1893	4588	4738	-259	-191	12211	751	12962	1539	14501	49.92
8	5253	120	445	5818	60	1902	4876	5247	-290	-254	12773	753	13526	1651	15177	49.93
9	5285	193	443	5921	42	2029	4972	5291	-340	-256	13027	756	13783	1873	15656	49.89
10	5224	602	425	6251	38	2032	5058	5501	-478	-414	13408	606	14014	2182	16196	49.95
11	5196	1375	420	6991	73	2030	4927	5426	-691	-614	13906	569	14475	2391	16866	49.97
12	5055	1402	310	6767	97	2029	4954	5488	-749	-640	13754	783	14537	2415	16952	49.92
13	5001	1434	308	6743	59	2027	4945	5348	-720	-621	13582	878	14460	2395	16855	49.95
14	5003	856	308	6167	25	2017	5145	5515	-587	-515	13235	765	14000	2289	16289	49.96
15	5044	787	306	6137	27	2024	5074	5698	-570	-498	13393	638	14031	2276	16307	50.02
16	5056	897	321	6274	21	2028	5040	5581	-555	-480	13424	554	13978	2256	16234	49.94
17	5052	376	328	5756	23	2020	5337	5540	-543	-463	12876	460	13336	2242	15578	49.88
18	5105	240	332	5677	28	1968	4437	4968	-538	-459	12209	427	12636	2239	14875	50.03
19	5075	390	333	5798	37	1960	5083	5385	-661	-607	12623	209	12832	2387	15219	50.04
20	5019	250	334	5603	45	1953	4884	5163	-719	-612	12202	71	12273	2394	14667	49.97
21	5007	126	339	5472	83	1788	4759	4808	-633	-487	11714	25	11739	2270	14009	50.11
22	4985	129	338	5452	84	1804	4693	4762	-491	-435	11717	23	11740	2139	13879	50.15
23	4942	118	342	5402	73	1794	4273	4670	-460	-465	11523	3	11526	1971	13497	50.07
24	4890	110	343	5343	90	1788	4102	4902	-440	-484	11665	3	11668	1783	13451	50.11
MUs	123.12	10.25	9.08	142.46	1.48	45.30	110.15	118.87	-11.21	-10.77	297.70	9.53	307.22	47.88	355.10	50.01

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 24/Nov/2012

Position as on 6.30 Hrs of 25/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.	
Koyna Unit 5	80	20/11/2012	23.45		Continued.	To attend water leakage on servomotor, Outage on pressure shaft no.3 of unit	21/12/2012
Koyna Unit 6	75	21/11/2012	07.55		Continued.	Overhauling work of Spherical Valve.	21/12/2012
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.	
Bhusawal Unit 2	210	19/10/2012	22.22		Continued.	ID Fan Problem	
Dabhol 1X	290	02/11/2012	16.26		Continued.	Gas shortage.	
Dabhol 1A	230	02/11/2012	16.27		Continued.	Gas shortage.	
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.	
Dabhol 2A	230	12/11/2012	10.00		Continued.	Generator Protection.	
Dabhol 2X	290	12/11/2012	10.00		Continued.	Generator Protection.	
Uran Unit 5	108	19/11/2012	23.55		Continued.	Gas Shortage	
Parli Unit 5	210	20/11/2012	15.50		Continued.	Flame Failure.	
Dabhol 3B	230	21/11/2012	11.41	24/11/2012	11.36	Gas Shortage.	
CPP JSW (J) U4	300	23/11/2012	19.00	24/11/2012	02.31	Bearing vibration	
Tata Trombay 5	500	24/11/2012	00.01	25/11/2012	21.34	Boiler Tube Leakage	
Uran Unit 6	108	24/11/2012	11.44		Continued.	Gas shortage.	
Nasik Unit 5	210	24/11/2012	20.45		Continued.	Boiler tube leakage.	27/11/2012
Bhusawal Unit 4	500	25/11/2012	06.30	25/11/2012	21.51	Flame failure.	
Bhusawal Unit 5	500	25/11/2012	07.32		Continued.	Coal Shortage	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 24/Nov/2012

Position as on 6.30 Hrs of 25/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		
Parly(PG) - Wardha (PG) - I	15/11/2012	20.53		Continued.	H/T For O/V
Kolhapur-Solapur(PGCIL)-I	17/11/2012	11.09		Continued.	Over Voltage
Dhule-S'Sarovar I	23/11/2012	22.01	25/11/2012	08.28	Over Voltage.
Dhule-Sar'Sarovar - I	25/11/2012	23.00		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha - Deoli (PGCIL)	18/11/2012	11.19		Continued.	To control Wardha-Yawatmal Loading
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 - I	19/11/2012	00.01		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.
Main Bus - II @ Koradi	19/11/2012	12.37	24/11/2012	08.12	Replacement of Disc Insulator
Koradi -Bhusawal	23/11/2012	08.37	24/11/2012	09.13	Replacement of old disc insulator of main bus-II(ready for charging).
Jejuri-Koyna STG-IV	24/11/2012	07.15	24/11/2012	09.44	Tightening of nutbolt.
400/220 KV 600 MVA ICT - IV @ Padgha	24/11/2012	08.12	24/11/2012	20.33	Construction of fire protection wall.
400/220 KV 500 MVA ICT-I @ Deepnagar	24/11/2012	10.28	24/11/2012	16.08	Tan delta of 220KV CT and IR values.
Bablsr-Padgha Ckt I	24/11/2012	14.09	24/11/2012	16.09	Pressure switch repl.work.
400/220 KV 600 MVA ICT - IV @ Padgha	25/11/2012	08.16	25/11/2012	19.57	Construction of Fire Protection Wall
Main Bus - II @ Koradi	25/11/2012	10.34		Continued.	Isolator Problem
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 30.11.12)
Mahape - Siemens	19/10/2012	10.09		Continued.	Mumbai Strengthening work(Till 30.11.12)
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-Siemens II	21/11/2012	08.16		Continued.	Dismantling of old tower and normalization of 220KV Kalwa-Khargar line.
220/100KV,200MVA ICT-I at Borivali.	24/11/2012	08.24	24/11/2012	17.25	R.M.Work.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 24/Nov/2012

Position as on 6.30 Hrs of 25/Nov/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
220/132 KV 200 MVA ICT-II @ Nagar.	24/11/2012	09.25		Continued.	Tan delta measurement work.
220/132 KV 200 MVA ICT - II @ Raymand	24/11/2012	11.04	24/11/2012	16.05	Q.M.Work.
220/132KV 200 MVA ICT I at Chalisgaon	24/11/2012	12.45	24/11/2012	18.59	Tan delta measurement work.
220/33KV 125MVA T/F- V at Versova	24/11/2012	14.08	24/11/2012	15.42	Chattering noise in 33 KV cable chamber.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Chalisgaon-Manmad(Pimperkhed)-II	25/11/2012	11.04	25/11/2012	17.19	Replacement of Breaker Pole
Voltage Level : 100KV			Outage Type FORCED OUTAGE		
Borivali-Tata-I	25/11/2012	16.42	25/11/2012	20.17	Hot Spot at TATA end
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.
Aurangabad-Deepnagar-II	17/11/2012	09.10		Continued.	Over Voltage
Karad - Kolhapur - II	22/11/2012	16.29	24/11/2012	06.46	Over Voltage.
Bhusawal- Aurangabad	22/11/2012	17.16		Continued.	Over Voltage.
Karad - Kolhapur - I	23/11/2012	20.05	24/11/2012	09.21	Over Voltage.
Lonikand- Koyna Stage IV	23/11/2012	22.21	24/11/2012	06.40	Over Voltage.
Karad - Kolhapur - II	24/11/2012	16.15	25/11/2012	09.47	Over Voltage.
Lonikand- Koyna Stage IV	24/11/2012	23.33	25/11/2012	07.06	Over Voltage.
Karad - Kolhapur - I	25/11/2012	01.57	25/11/2012	07.03	Over Voltage.
Karad - Kolhapur - II	25/11/2012	16.15		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.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 25/Nov/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	140
Unit 7	210	135
	620	275
Bhusawal		
Unit 2	210	0
Unit 3	210	165
Unit 4	500	0
Unit 5	500	0
	1420	165
Parli		
Unit 3	210	137
Unit 4	210	141
Unit 5	210	0
Unit 6	250	0
Unit 7	250	168
	1130	446
Chandrapur		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	200
Unit 4	210	200
Unit 5	500	450
Unit 6	500	450
Unit 7	500	380
	2340	2000
Paras		
Unit 3	250	240
Unit 4	250	250
	500	490
Khaparkheda		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	180
Unit 4	210	180
Unit 5	500	350
	1340	1050
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	0
	630	380
Uran		
All Units	852	300
	852	300
PENCH (MS)		
Pench (MS)	53	0
	53	0
Koyna		
Stage 1-2	600	440
Stage 4	1000	250
Stage 3	320	320
	1920	1010
Hydro		
KDPH	40	20
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	4
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	0
	611	248
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	1100
WARDHA	405	367
Adani	660	
Other CPPs	0	
	1665	1467
Tata		
Trombay 4	150	0
Trombay 5	500	0
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	306
	2024	1236
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4953
	3455	4953