



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

State Load Dispatch Center, Airoli

Daily system Report

for

25/Dec/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 25/Dec/2011 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	116.258	2883.126	1) Gujrat	8.490	162.773
2) Hydro	12.250	311.262	2) Madhya Pradesh	21.781	514.352
3) Gas	11.970	331.559	3) Chattisgarh	12.740	337.600
Total MSGENCO	140.478	3525.947	4) Maharashtra	44.595	1245.389
B) OTHERS			5) Goa	-5.587	-153.645
1) JSW JAIGAD	18.540	557.154	6) TAPS 1&2 Injection	6.452	188.456
2) WPCL	5.811	179.443	7) RGPPL Injection	25.967	695.776
3) Other CPP / IPP	4.549	170.504	8) Pench (Excess)	-0.626	-12.672
4) Wind Generation	1.971	71.425	# Total Cent. Sector	113.812	2978.029
5) PENCH (MS)	0.626	12.672	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-2.922	-178.929
1) TPCL Thermal	23.756	697.313	G) Bilateral Power *		
2) TPCL Hydro	0.325	86.051	1) MSEDCL Bilateral	35.008	922.038
TOTAL TPCL	24.081	783.364	Include PX	3.523	78.400
3) REL Thermal	12.633	301.475	2) MUMBAI Bilateral	6.314	261.735
D) STATE			Include PX	-1.721	-0.973
1) Thermal (A1+C1+C3)	152.647	3881.914	3) MUMBAI Schedule	6.314	271.315
2) Hydro (A2+B5+C2)	13.201	409.985	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.970	331.559	1) MSEDCL	282.865	7316.245
4) Wind (B4)	1.971	71.425	2) TPCL	26.479	850.570
5) CPP (B1+B2+B3)	28.900	907.101	3) REL	13.155	413.131
TOTAL STATE	208.689	5601.984	TOTAL STATE	322.499	8579.946

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4792	4935	4718
MSGENCO Hydro	1450	453	161
MSGENCO Gas	493	490	506
MSGENCO Total Generation	6735	5878	5385
Central Sector Receipt	5070	4957	4200
WIND	64	57	139
CPP / IPP	1335	1053	1182
Exchange with Mumbai	-203	-268	-59
MSEDCL DEMAND MET	13041	11727	10847
Load Shedding (LS)	1860	1255	338
MSEDCL DEMAND (INCL. LS)	14901	12982	11185
TPCL GENERATION	1044	1088	797
REL GENERATION	527	527	527
TPCL+REL DEMAND	1774	1883	1383
STATE DEMAND MET	14815	13610	12230
Load Management (LM)	2092	2908	1275
Total Load Relief (LS+LM)	3952	4163	1613
UNRESTRICTED STATE DEMAND	18767	17773	13843
Frequency (Hz)	49.51	49.74	49.85

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.29 Hz at 18.01 Hrs	49.02 Hz at 09.14 Hrs	49.7	1.33 % 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 25/Dec/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.76	68.92	130	102	115
Unit 6	2.60	68.77	125	85	110
Unit 7	3.74	91.34	170	140	160
Total	9.10	229.03			385
Bhusawal					
Unit 2	4.34	72.98	190	155	180
Unit 3	4.32	103.96	190	170	180
Unit 4	0.00	0.00	0	0	
Total	8.66	176.93			360
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.55	103.16	195	180	185
Unit 5	3.12	71.72	140	109	135
Unit 6	3.26	105.20	225	0	180
Unit 7	4.51	98.00	221	131	205
Total	15.45	378.08			705
Chandrapur					
Unit 1	3.64	91.29	157	136	160
Unit 2	3.77	74.73	163	152	150
Unit 3	4.26	104.88	184	173	185
Unit 4	5.04	121.79	210	207	210
Unit 5	10.92	235.60	470	440	450
Unit 6	10.78	162.80	465	440	450
Unit 7	0.00	215.42	0	0	0
Total	38.40	1006.50			1605
Paras					
Unit 3	5.47	104.33	250	190	240
Unit 4	5.48	104.81	248	192	240
Total	10.96	209.15			480
Khaparkheda					
Unit 1	4.54	111.38	200	175	200
Unit 2	4.57	106.78	196	183	190
Unit 3	5.09	120.71	220	195	210
Unit 4	5.07	118.94	219	194	210
Unit 5	0.00	71.15	0	0	
Total	19.27	528.95			810
Nasik					
Unit 3	4.94	122.47	223	150	210
Unit 4	4.87	120.92	210	194	210
Unit 5	4.61	111.09	197	184	190
Total	14.42	354.48			610
Uran					
All Units	11.97	331.56	507	480	500
Total	11.97	331.56			500
PENCH (MS)					
Pench (MS)	0.63	12.67	50	0	
Total	0.63	12.67			
Koyna					
Stage 1-2	3.94	90.58	500	40	600
Stage 4	1.60	86.75	288	0	250
Stage 3	1.31	39.00	236	0	320
Total	6.85	216.33			1170
Kovna 12&4 Total	5.54	177.33			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.47	7.85	20	19	20
VTRNA	0.91	5.77	61	0	60
TILLARI	0.24	0.64	60	0	60
BHTGR/VEER	0.08	4.53	4	3	4
BHIRA T.R.	0.15	4.89	58	0	40
RNGR+BHTSA	0.37	9.54	16	15	10
BHANDARDRA	0.56	2.08	42	14	32
ELDARY	0.31	6.20	14	12	
SMLHY PTN	0.97	22.19	49	37	
GHATGHAR	1.34	31.23	250	0	
Total	5.40	94.93			226
Wind					
MalharPeth	0.09	4.45			
Vankuswadi	0.24	9.10			
ATIT	0.02	2.14			
Kale	0.09	2.78			
Satara	0.20	12.30			
Shirala	0.08	2.99			
K Mahankal	0.35	5.73			
Supa	0.02	1.41			
Vita	0.32	10.58			
Dondaicha	0.43	12.01			
Sakri	0.04	1.06			
Nandurbar	0.04	1.23			
Khandke	0.03	3.22			
Khaparale	0.03	2.43			
Total	1.97	71.42			
CPP					
JSW JAIGAD	18.54	557.15	908	596	825
WARDHA	5.81	179.44	244	240	243
Other CPPs	4.55	170.50			
Total	28.90	907.10			1068
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.72	279.04	502	282	500
Trombay 6	3.78	166.12	171	154	500
Trombay 7A	2.55	67.69	130	69	120
Trombay 7B	1.09	37.37	69	33	60
Trombay 8	5.61	147.10	249	178	250
TATA Hydro	0.32	86.05	117	0	422
Total	24.08	783.36			1852
REL					
1&2	12.63	301.48	528	525	500
Total	12.63	301.48			500
Cent Sect					
Share					4939
Total					4939

MS PG CL	Thermal	116.26	2883.13			4955
	Thml+Gas	128.23	3214.68			5455
	Hydro	12.25	311.26			1396
	Total	140.48	3525.95			6851
State Total		208.69	5601.98			15210

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 25/Dec/2011

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	# LOAD RELEIF (LS+LM)	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS+LM	FREQ. (Hz)
	THM	HY	GAS													
1	4761	141	506	5408	116	1208	4559	4628	-255	-41	11319	1528	11493	1588	14435	49.65
2	4777	141	506	5424	128	1187	4482	4445	-175	-79	11105	1628	11416	1465	14198	49.80
3	4718	161	506	5385	139	1182	4554	4200	-250	-59	10847	1613	11185	1383	13843	49.85
4	4715	151	506	5372	149	1204	4528	4144	-223	-30	10839	1742	11154	1335	13916	49.87
5	4714	146	506	5366	124	1227	4518	4309	-212	-21	11005	1816	11336	1330	14151	49.69
6	4847	146	506	5499	94	1328	4602	4427	-95	3	11351	2417	11951	1388	15156	49.60
7	4970	151	507	5628	125	1274	4643	4403	-127	50	11503	3209	12863	1445	16157	49.68
8	4872	322	506	5700	149	1245	4674	4908	-146	-24	12003	3692	13523	1489	17184	49.66
9	4786	658	500	5944	156	1323	4715	4761	-189	-20	12190	3751	13752	1565	17506	49.51
10	4807	1194	500	6501	101	1323	4766	4701	-236	-126	12530	4005	14385	1683	18218	49.49
11	4775	1313	503	6591	79	1339	5007	4978	-306	-198	12829	4023	14767	1753	18605	49.57
12	4792	1450	493	6735	64	1335	5036	5070	-338	-203	13041	3952	14901	1774	18767	49.51
13	4834	1339	492	6665	59	1340	5026	5005	-327	-208	12901	4081	14888	1782	18764	49.57
14	4829	1157	496	6482	49	1336	4980	5035	-279	-168	12774	3787	14516	1752	18313	49.65
15	4919	812	492	6223	42	1342	5037	5333	-236	-131	12856	3480	14452	1717	18053	49.74
16	4900	588	501	5989	36	1340	5022	5417	-220	-104	12728	3527	14478	1675	17930	49.70
17	4906	312	500	5718	36	1042	4533	4775	-220	-105	11474	3978	13343	1668	17120	49.86
18	4908	238	499	5645	49	1042	4553	4506	-242	-173	11116	3828	12578	1729	16673	49.74
19	4935	453	490	5878	57	1053	4831	4957	-406	-268	11727	4163	12982	1883	17773	49.74
20	4907	527	480	5914	44	1046	4940	5064	-426	-313	11805	3956	12799	1977	17738	49.69
21	4963	262	493	5718	46	1052	4916	5129	-401	-271	11724	3737	12498	1952	17413	49.82
22	4950	235	494	5679	53	1050	4881	4564	-367	-245	11141	3558	11736	1891	16590	49.79
23	4850	207	494	5551	38	1051	4772	4573	-347	-147	11086	3355	11623	1767	16208	49.69
24	4818	146	494	5458	38	1031	4597	4480	-290	-41	10966	2594	11371	1645	15205	49.83
MUs	116.25	12.25	11.97	140.47	1.97	28.90	114.17	113.81	-6.31	-2.92	282.86	77.42	309.99	39.64	399.92	49.70

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 25/Dec/2011

Position as on 6.30 Hrs of 26/Dec/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect TARAPUR-4	540	06/11/2011	01.00		Continued.	Annual Overhaul	25/12/2011
Parli Unit 3	210	12/11/2011	21.25		Continued.	Annual Overhaul.	30/12/2011
CPP JSW (J) U2	300	10/12/2011	23:30		Continued.	Annual Shutdown	27/12/2011
Cent_Sect NTPC(K-1)	210	20/12/2011	13.44		Continued.	A/OH.	14/01/2012
Cent_Sect NTPC (K-2)	210	20/12/2011	13.45		Continued.	A/OH.	14/01/2012
FORCED OUTAGE							
Bhusawal Unit 4	500	17/10/2011	03.55		Continued.	Hand Tripped	28/12/2011
CPP WPCL U-4	135	02/11/2011	04.40		Continued.	ID Fan Problem, Preparation for P.G. Test.	25/12/2011
Dabhol 3B	230	12/12/2011	23.46		Continued.	Gas shortage.	
Dabhol 3A	230	13/12/2011	16.09		Continued.	Gas Shortage	
Dabhol 3X	290	13/12/2011	16.09		Continued.	Gas Shortage	
Khaparkheda Unit 5	500	20/12/2011	12.28		Continued.	Boiler Tube Leakage	
CPP WPCL U-2	135	23/12/2011	17.38	26/12/2011	04.48	Bottom ash problem.	
Cent_Sect NTPC(K-7)	500	24/12/2011	03.44	25/12/2011	17.46	Drum level high.	
Chandrapur Unit 7	500	24/12/2011	21.42		Continued.	HP heater pipe line leakage.	
Parli Unit 6	250	25/12/2011	07.31	25/12/2011	11.34	Flame Failure.	
CPP JSW (J) U4	300	25/12/2011	15.40		Continued.	Electric fault.	
Nasik Unit 3	210	26/12/2011	00.50		Continued.	Air heater problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 25/Dec/2011

Position as on 6.30 Hrs of 26/Dec/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Boiser - Tarapur	30/10/2011	08.31		Continued.	60 Days outage for Dismantling of existing tower and re-stringing work for Mumbai Strengthening Scheme(Converted as Borivali-Tarapur
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Parli (PGCIL)-Bhadravati-II	09/12/2011	16.41		Continued.	Over Voltage.
Parly(PG) - Wardha (PG) - I	16/12/2011	22.06		Continued.	Over Voltage
Dhule - S'Sarovar- II	22/12/2011	09.44		Continued.	Over Voltage.
Kolhapur - Mapusa - I	23/12/2011	21.37	25/12/2011	19.41	Over Voltage.
Kolhapur - Mapusa - II	25/12/2011	22.17		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	25/12/2011	22.40		Continued.	Over Voltage.
Chandrapur-Bhadravti - I	25/12/2011	22.48		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 105 MVA Spare ICT at Parly II	22/04/2011	13.50		Continued.	To Remove Trip Coil Assembly for Bus Coupler.
400/220KV,200MVA Spare ICT at Kalwa.	15/12/2011	14.59		Continued.	For Replacement of Y Ph. C T of ICT-I by 400KV C T of Spare ICT.up to 04.01.2012
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Bhoisor - Borivali	30/10/2011	08.06		Continued.	60 Days outage for Dismantling of existing tower and re-stringing work for Mumbai Strengthening Scheme(Converted as Borivali-Tarapur
220/100KV,125 MVA T/F-II at Jambhul	08/11/2011	13.50		Continued.	Inspection and Rectification of Gas Formation upto 30/12/2011
220/132 KV 100 MVA ICT-I @ Girawali	24/11/2011	10.46		Continued.	Augmentation of ICT BY 200 MVA ICT.
Kalwa-Trombay	30/11/2011	09.20		Continued.	Replacement of Breaker (Taken on TBC upto 30/12/2011).
220 KV Main Bus - I @Talangade	19/12/2011	11.30		Continued.	Erection of Bus-I isolator of new 220KV ICT-3 bay up to 28.12.2011.
Bus Bar Protection at Parli (GCR)	24/12/2011	14.42		Continued.	Commissioning of New bus bar protection.
Dahanu-Ghodbandar-II	25/12/2011	07.47	25/12/2011	16.30	Annual maintenance work.
220/33 KV 100 MVA ICT-II @ Versova	25/12/2011	09.02	25/12/2011	16.34	Annual maintenance work.
Nerul -Sonkhar	25/12/2011	09.07	25/12/2011	15.04	Attending hot spot,tan delta of CT's & R.M.Work.
Kalwa - Borivali	25/12/2011	09.12	25/12/2011	14.29	R.M.Work.
Trombay - Salsette - II Dharavi	25/12/2011	12.50	25/12/2011	16.20	Tower erection & conductor shifting work for MMRDA.
Bhira - Dharavi - VII	25/12/2011	12.50	25/12/2011	16.20	Tower erection & conductor shifting work for MMRDA.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Bhusawal - Jalgaon - II	06/12/2011	09.25		Continued.	Replacement of Bus Isolator @ BSL End.
Voltage Level : 110KV			Outage Type PLANNED OUTAGE		
Borivali - Borivali - I	25/12/2011	07.32	25/12/2011	21.10	To facilitate commissioning of new

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 25/Dec/2011

Position as on 6.30 Hrs of 26/Dec/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
					220KV BO-BO ckt 5.
Borivali-Borivali II	25/12/2011	07.41	25/12/2011	21.12	To facilitate commissioning of new 220KV BO-BO ckt 5.
Voltage Level : 100KV					Outage Type PLANNED OUTAGE
Chinchwad - Talegaon	25/11/2011	11.29		Continued.	Line Strengthning.
Voltage Level : 220KV					Outage Type FORCED OUTAGE
220/100KV 200 MVA ICT III at Borivali	25/12/2011	15.10	25/12/2011	15.27	Removal of plastic and covered by new plastic.
Voltage Level : 400KV					Outage Type HAND TRIPPED
400/220KV,500MVA ICT-II at Khaparkheda.	20/11/2011	08.02		Continued.	Due to low nitrogran pressure fire alarm received.
Bhusawal- Aurangabad	23/12/2011	19.57		Continued.	Over Voltage.
Karad - Kolhapur - II	25/12/2011	16.10		Continued.	Over Voltage.
Voltage Level : 220KV					Outage Type HAND TRIPPED
Kolhapur - Karad - I	24/12/2011	16.20	25/12/2011	18.11	Over Voltage.
Chandrapur - Warora	24/12/2011	17.58		Continued.	To control Wardha-Warora,Hinganghat -Warora.L/L.
Voltage Level : 400KV					Outage Type TRIPPED
Main Ckt Breaker of Dhule -SSP-I at Dhule	30/11/2011	17.00		Continued.	B Phase Main C.B.Burst at Dhule(Charged through TBC on
Voltage Level : 220KV					Outage Type TRIPPED
220/100KV 200MVA ICT-III at Kalwa	03/04/2011	16.00		Continued.	Buchholz Trip,Diff.Prot.operated,PRV tripped(Failed).

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 26/Dec/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	120
Unit 6	210	122
Unit 7	210	140
	620	382
Bhusawal		
Unit 2	210	161
Unit 3	210	161
Unit 4	500	
	920	322
Parli		
Unit 3	210	0
Unit 4	210	195
Unit 5	210	125
Unit 6	250	172
Unit 7	250	165
	1130	657
Chandrapur		
Unit 1	210	160
Unit 2	210	150
Unit 3	210	185
Unit 4	210	210
Unit 5	500	450
Unit 6	500	425
Unit 7	500	0
	2340	1580
Paras		
Unit 3	250	170
Unit 4	250	170
	500	340
Khaparkheda		
Unit 1	210	200
Unit 2	210	190
Unit 3	210	210
Unit 4	210	210
Unit 5	500	
	1340	810
Nasik		
Unit 3	210	0
Unit 4	210	210
Unit 5	210	190
	630	400
Uran		
All Units	852	500
	852	500
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	60
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	8
BHIRA T.R.	80	40
RNGR+BHTSA	20	10
BHANDARDRA	45	30
ELDARY	23	0
SMLHY PTN	12	30
GHATGHAR	250	0
	611	258
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	825
WARDHA	405	312
Other CPPs	0	
	1005	1137
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	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4885
	3455	4885