



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

State Load Dispatch Center, Airoli

Daily system Report

for

04/Dec/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 04/Dec/2011 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	118.406	478.076	1) Gujrat	2.018	20.147
2) Hydro	15.629	45.721	2) Madhya Pradesh	19.939	82.385
3) Gas	15.282	60.326	3) Chattisgarh	15.400	54.860
Total MSGENCO	149.317	584.123	4) Maharashtra	44.713	187.857
B) OTHERS			5) Goa	-5.363	-24.538
1) JSW JAIGAD	21.766	100.227	6) TAPS 1&2 Injection	7.776	31.162
2) WPCL	5.766	29.500	7) RGPPL Injection	30.159	119.804
3) Other CPP / IPP	7.396	28.824	8) Pench (Excess)	-0.333	-1.405
4) Wind Generation	1.857	7.272	# Total Cent. Sector	114.309	470.272
5) PENCH (MS)	0.333	1.405	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-6.114	-36.298
1) TPCL Thermal	27.013	114.923	G) Bilateral Power *		
2) TPCL Hydro	0.042	12.172	1) MSEDCL Bilateral	34.394	146.880
TOTAL TPCL	27.055	127.095	Include PX	1.770	11.881
3) REL Thermal	12.609	50.467	2) MUMBAI Bilateral	9.325	51.802
D) STATE			Include PX	-0.511	7.140
1) Thermal (A1+C1+C3)	158.028	643.466	3) MUMBAI Schedule	9.325	51.802
2) Hydro (A2+B5+C2)	16.004	59.298	H) ENERGY CATERED (MUs)		
3) Gas (A3)	15.282	60.326	1) MSEDCL	294.630	1185.325
4) Wind (B4)	1.857	7.272	2) TPCL	30.622	142.996
5) CPP (B1+B2+B3)	34.928	158.551	3) REL	15.154	70.857
TOTAL STATE	226.099	928.913	TOTAL STATE	340.406	1399.178

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	4803	5067	4813
MSGENCO Hydro	1527	766	190
MSGENCO Gas	616	639	657
MSGENCO Total Generation	6946	6472	5660
Central Sector Receipt	5210	4619	4690
WIND	87	26	76
CPP / IPP	1298	1522	1533
Exchange with Mumbai	-245	-479	-186
MSEDCL DEMAND MET	13319	12200	11585
Load Shedding (LS)	1999	1414	474
MSEDCL DEMAND (INCL. LS)	15318	13614	12059
TPCL GENERATION	1244	1142	970
REL GENERATION	524	524	525
TPCL+REL DEMAND	2013	2145	1681
STATE DEMAND MET	15332	14345	13266
Load Management (LM)	2331	3676	1731
Total Load Relief (LS+LM)	4330	5090	2205
UNRESTRICTED STATE DEMAND	19662	19435	15471
Frequency (Hz)	49.60	49.71	49.56

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.1 Hz at 16:05 Hrs	49.23 Hz at 07:21 Hrs	49.64	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 04/Dec/2011

Generating unit	Generation				OLC (MW)	Generating unit	Generation				OLC (MW)	
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)			Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)		
Koradi						Hydro						
Unit 5	2.70	11.33	152	49	45	KDPH	0.47	1.88	20	19	20	
Unit 6	0.00	5.29	0	0	0	VTRNA	0.00	0.00	0	0	0	
Unit 7	3.89	12.92	180	146	135	TILLARI	0.00	0.00	0	0	0	
Total	6.58	29.54			180	BHTGR/VEER	0.13	1.26	6	5	10	
Bhusawal						BHIRA T.R.	0.16	0.80	76	0	80	
Unit 2	4.15	16.98	185	150	190	RNGR+BHTSA	0.38	1.42	16	15	8	
Unit 3	4.51	17.95	195	175	190	BHANDARDRA	0.00	0.00	0	0	0	
Unit 4	0.00	0.00	0	0	0	ELDARY	0.00	0.00	0	0	0	
Total	8.66	34.94			380	SMLHY_PTN	1.16	4.54	56	45	20	
Parli						GHATGHAR	0.00	3.73	0	0	0	
Unit 3	0.00	0.00	0	0	0	Total	2.30	13.64			138	
Unit 4	3.44	15.12	178	124	110	Wind						
Unit 5	3.01	8.86	135	114	115	MalharPeth	0.14	0.30				
Unit 6	4.32	18.41	223	153	180	Vankuswadi	0.34	0.97				
Unit 7	4.00	17.36	186	154	165	ATIT	0.04	0.13				
Total	14.77	59.75			570	Kale	0.10	0.21				
Chandrapur						Satara	0.64	1.16				
Unit 1	3.77	15.13	160	154	160	Shirala	0.07	0.19				
Unit 2	1.00	1.00	105	0	0	K Mahankal	0.01	0.84				
Unit 3	4.27	16.76	188	167	180	Supa	0.03	0.30				
Unit 4	4.92	19.64	209	202	210	Vita	0.32	1.18				
Unit 5	11.09	43.82	470	440	450	Dondaicha	0.02	0.92				
Unit 6	10.10	42.08	470	395	450	Sakri	0.00	0.10				
Unit 7	9.53	37.18	416	344	400	Nandurbar	0.01	0.14				
Total	44.68	175.61			1850	Khandke	0.04	0.48				
Paras						Khaparale	0.10	0.35				
Unit 3	3.77	15.84	201	134	160	Total	1.86	7.27				
Unit 4	3.85	15.92	200	137	160	CPP						
Total	7.62	31.75			320	JSW JAIGAD	21.77	100.23	1038	748	1100	
Khaparkheda						WARDHA	5.77	29.50	244	237	310	
Unit 1	4.30	17.84	210	165	180	Other CPPs	7.40	28.82				
Unit 2	4.20	17.41	190	160	180	Total	34.93	158.55			1410	
Unit 3	4.65	19.04	212	173	180	Tata						
Unit 4	4.67	17.88	212	171	180	Trombay 4	0.00	0.00	0	0	0	
Unit 5	3.94	17.16	222	111	0	Trombay 5	11.43	45.70	495	349	495	
Total	21.77	89.33			720	Trombay 6	5.63	28.24	366	156	500	
Nasik						Trombay 7A	2.51	10.93	126	83	120	
Unit 3	5.14	20.20	220	205	210	Trombay 7B	1.47	6.15	67	56	60	
Unit 4	4.75	19.28	208	168	210	Trombay 8	5.98	23.89	251	246	250	
Unit 5	4.43	17.68	190	175	180	TATA Hydro	0.04	12.17	27	0	447	
Total	14.32	57.16			600	Total	27.06	127.10			1872	
Uran						REL						
All Units	15.28	60.33	682	512	630	1&2	12.61	50.47	527	524	500	
Total	15.28	60.33			630	Total	12.61	50.47			500	
PENCH (MS)						Cent Sect						
Pench (MS)	0.33	1.40	50	0	0	Share					4929	
Total	0.33	1.40			0	Total					4929	
Koyna												
Stage 1-2	5.27	15.12	560	40	600							
Stage 4	5.71	10.90	834	0	250							
Stage 3	2.35	6.07	240	0	320							
Total	13.33	32.08			1170							
Koyna 12&4 Total	10.98	26.02			850							
							MS	Thermal	118.41	478.08		4620
							PG	Thml+Gas	133.69	538.40		5250
							CL	Hydro	15.63	45.72		1308
								Total	149.32	584.12		6558
							State Total		226.10	928.91		15269

State Load Dispatch Center, Airoli (MSETCL)

Hourly Load Data As on 04/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	4802	623	654	6079	30	1357	4995	4848	-448	-371	11943	2262	12138	1947	16152	49.53
2	4860	393	654	5907	37	1349	4950	4765	-401	-211	11847	2336	12228	1784	15967	49.57
3	4813	190	657	5660	76	1345	5010	4690	-448	-186	11585	2205	12059	1681	15471	49.56
4	4794	133	655	5582	103	1352	4979	4658	-417	-152	11543	2457	12043	1624	15624	49.71
5	4808	133	668	5609	135	1486	4954	4656	-385	-76	11810	2474	12330	1591	15875	49.66
6	4818	148	666	5632	151	1552	4850	4823	-274	-10	12148	2788	12883	1614	16550	49.64
7	5041	214	682	5937	209	1531	4860	4528	-295	-33	12172	3588	13680	1649	17409	49.64
8	5099	287	654	6040	228	1582	4845	4726	-279	-41	12535	3991	14123	1658	18184	49.57
9	4972	460	660	6092	167	1545	4831	4856	-276	-131	12529	4233	14148	1731	18493	49.63
10	4981	816	634	6431	151	1544	4862	4793	-318	-231	12688	4519	14678	1860	19067	49.61
11	4821	1107	625	6553	103	1579	5221	5095	-387	-277	13053	4405	15129	1981	19439	49.55
12	4803	1527	616	6946	87	1298	5192	5210	-388	-245	13319	4330	15318	2013	19662	49.60
13	4827	1680	610	7117	56	1330	5152	4822	-378	-263	13085	4571	15323	2022	19678	49.60
14	4917	1532	612	7061	30	1309	5214	5108	-378	-278	13254	4227	15202	1978	19459	49.67
15	4841	1493	618	6952	20	1346	5220	5154	-378	-284	13238	3878	15052	1974	19090	49.71
16	4952	1331	619	6902	19	1426	4882	4839	-357	-250	12961	3937	14885	1949	18847	49.67
17	4991	805	620	6416	11	1507	4313	4357	-315	-282	12012	4507	14111	1927	18446	49.80
18	5048	298	636	5982	16	1527	4339	4354	-336	-333	11570	4441	13175	1944	17955	49.63
19	5067	766	639	6472	26	1522	4534	4619	-449	-479	12200	5090	13614	2145	19435	49.71
20	5069	809	639	6517	45	1518	4551	4555	-447	-384	12298	4870	13432	2180	19348	49.71
21	5101	323	651	6075	50	1500	4583	4824	-472	-369	12127	4668	13072	2174	18969	49.72
22	5076	165	653	5894	45	1459	4611	4511	-498	-411	11518	4428	12237	2179	18125	49.74
23	5025	134	648	5807	33	1479	4611	4716	-500	-415	11627	4193	12269	2132	17952	49.60
24	4880	262	512	5654	29	1485	4530	4802	-500	-402	11568	3528	11996	2041	17137	49.63
MUs	118.41	15.63	15.28	149.32	1.86	34.93	116.09	114.31	-9.33	-6.11	294.63	91.93	325.12	45.78	432.33	49.64

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 04/Dec/2011

Position as on 6.30 Hrs of 05/Dec/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Chandrapur Unit 2	210	05/11/2011	11.02	04/12/2011	11.10	Boiler Tube Leakage, converted to AOH.	
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.	22/12/2011
FORCED OUTAGE							
Bhusawal Unit 4	500	17/10/2011	03.55		Continued.	Hand Tripped	
CPP WPCL U-4	135	02/11/2011	04.40		Continued.	ID Fan Problem, Preparation for P.G. Test.	05/12/2011
Dabhol 1A	230	14/11/2011	12:00		Continued.	Gas Shortage.	
Dabhol 1B	230	23/11/2011	03.45		Continued.	Gas Shortage	
Dabhol 1X	290	23/11/2011	03.45		Continued.	Gas Shortage	
Cent_Sect NTPC(K-7)	500	02/12/2011	00.44		Continued.	Boiler Bottom Ring Header Leakage	
Koradi Unit 6	210	03/12/2011	11.16		Continued.	BLR T/L.	05/12/2011
CPP WPCL U-3	135	03/12/2011	17.47		Continued.	Bottom Ash problem.	
CPP JSW (J) U3	300	03/12/2011	18.18	04/12/2011	02.30	Heavy oil leakage in turbine.	
CPP JSW (J) U3	300	04/12/2011	10.27	04/12/2011	12.50	Gen.Prot'n Operated.	
Chandrapur Unit 6	500	05/12/2011	01.09		Continued.	BLR T/L.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 04/Dec/2011

Position as on 6.30 Hrs of 05/Dec/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d 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
Padgha - Boisar (PGCIL)	04/12/2011	07.40	04/12/2011	13.12	Removal of cross jumpering and shifting of line to original work.
Bhoisor-Bhoisor(PGCIL)-I	04/12/2011	07.42	04/12/2011	12.41	Removal of cross jumpering and shifting of line to original work.
Bhoisor - Bhoisor PGCIL-II	04/12/2011	13.30	04/12/2011	18.00	Removal of cross jumpering and shifting of line to original work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Parli-Parli (PGCIL) I	19/10/2011	21.40		Continued.	Over Voltage.
Parli (PG)-Bhadravati I	27/11/2011	20.15		Continued.	Over Voltage.
Parli (PG) - Wardha (PG) - II	28/11/2011	16.55		Continued.	Isolator Problem
Kolhapur - Mapusa - I	02/12/2011	16.12		Continued.	Over Voltage.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Pench - Kanhan	23/11/2011	21.55		Continued.	Hand Tripped.
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-S'Sarovar I	30/11/2011	17.00		Continued.	B Ph.main C B Pole Burst at Dhule end.line ready to be taken I/S.@ 17.40 Hrs/04.12.2011
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.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C
220/132 KV 250 MVA ICT at Ambazari	05/08/2011	10.41		Continued.	ICT is to be replaced by 200 MVA ICT
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 29/11/2011
220/100KV 200MVA ICT-IV at Kalwa	15/11/2011	22.15		Continued.	Filtration work.
220/7 KV 20 MVA Stn.T/F-IV at Korady	23/11/2011	16.53		Continued.	(L V Side is on TBC) Rep, of 29B Isolator.
220/132 KV 100 MVA ICT-I @ Girawali	24/11/2011	10.46		Continued.	Augmentation of ICT BY 200 MVA ICT.
Main Bus-I at Koradi.	28/11/2011	11.19		Continued.	Replacement of 29A Bus-I isolator of various feeders under LES.
220/132 KV 100 MVA ICT @ Bhandara	29/11/2011	12.41		Continued.	Breaker Overhaul
Koradi-Ambazari-I	29/11/2011	16.34		Continued.	Isolator replacement work(Ckt is on TBC)
Kalwa-Trombay	30/11/2011	09.20		Continued.	Replacement of Breaker (Taken on TBC upto 14/12/2011).
Trombay - Salsett - I	04/12/2011	05.50	04/12/2011	19.14	Diversion in Godrej complex.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 04/Dec/2011

Position as on 6.30 Hrs of 05/Dec/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
220/100KV 200MVA ICT-III at Trombay	04/12/2011	10.04	04/12/2011	19.59	To attend oil leakage.
220/100KV,200MVA ICT-I at Borivali.	04/12/2011	12.10	04/12/2011	16.00	Tan delta ,CRM and Timing of CB.
Borivali - Salset - I	04/12/2011	15.40	04/12/2011	17.58	Diversion in Godrej complex.
220/100KV 200 MVA ICT III at Borivali	04/12/2011	16.30	04/12/2011	18.30	Tan delta of CT. & R.M.Works.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Hingna-Mankapur-I	29/11/2011	08.10		Continued.	Replacement of Conductor
Boiser - Palghar - I	04/12/2011	09.09	04/12/2011	12.55	Removal of cross jumpering and shifting of line to original work.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Chinchwad - Talegaon	25/11/2011	11.29		Continued.	Line Strengthning.
Borivali-Borivali-II	04/12/2011	07.28	04/12/2011	20.24	For Commissioning work of new 220KV MSETCL-TATA line.
Borivali - Borivali- I	04/12/2011	07.44	04/12/2011	20.22	For Commissioning work of new 220KV MSETCL-TATA line.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Bhandara - Rly TSS - I	03/12/2011	16.02	04/12/2011	16.50	Main breker overhaul work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	17/11/2011	20.32		Continued.	Buccolz alarm problem.
400/220KV,500MVA ICT-II at Khaparkheda.	20/11/2011	08.02		Continued.	Due to low nitrogran pressure fire alarm received.
Bhusawal- Aurangabad	03/12/2011	21.36	04/12/2011	07.20	Over Voltage.
Karad - Kolhapur - I	04/12/2011	16.19		Continued.	Over Voltage.
Bhusawal- Aurangabad	04/12/2011	22.17		Continued.	Over Voltage.
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).
Vita-Maisal	03/12/2011	16.48	04/12/2011	17.10	Distance Protection.
Miraj-Maisal	03/12/2011	21.50	04/12/2011	13.11	Distance Protection.
Vita-Maisal	04/12/2011	17.15		Continued.	Fault at Loc.No.61 R-Ph cut point conductor snapped.
Voltage Level : 132KV			Outage Type TRIPPED		
Bhatghar-Shirwal	04/12/2011	16.55		Continued.	Loc.No.1 R-Ph conductor snapped near Bhatghar.

State Load Dispatch Center, Airoli (MSETCL)

Details of On Line Capacity for 05/Dec/2011

Generating unit	Derated Capacity (MW)	OLC (MW)	Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi			BHTGR/VEER	21	5
Unit 5	200	130	BHIRA T.R.	80	80
Unit 6	210	0	RNGR+BHTSA	20	12
Unit 7	210	155	BHANDARDRA	45	0
	620	285	ELDARY	23	0
Bhusawal			SMLHY_PTN	12	15
Unit 2	210	190	GHATGHAR	250	0
Unit 3	210	190		611	132
Unit 4	500		Wind		
	920	380	MalharPeth	0	
Parli			Vankuswadi	0	
Unit 3	210	0	ATIT	0	
Unit 4	210	150	Kale	0	
Unit 5	210	130	Satara	0	
Unit 6	250	170	Shirala	0	
Unit 7	250	150	K Mahankal	0	
	1130	600	Supa	0	
Chandrapur			Vita	0	
Unit 1	210	160	Dondaicha	0	
Unit 2	210	125	Sakri	0	
Unit 3	210	185	Nandurbar	0	
Unit 4	210	210	Khandke	0	
Unit 5	500	450	Khaparale	0	
Unit 6	500	0		0	
Unit 7	500	400	CPP		
	2340	1530	JSW_JAIGAD	600	1055
Paras			WARDHA	405	240
Unit 3	250	160	Other_CPPs	0	
Unit 4	250	160		1005	1295
	500	320	Tata		
Khaparkheda			Trombay 4	150	0
Unit 1	210	180	Trombay 5	500	495
Unit 2	210	180	Trombay 6	500	500
Unit 3	210	200	Trombay 7A	120	120
Unit 4	210	200	Trombay 7B	60	60
Unit 5	500		Trombay 8	250	250
	1340	760	TATA Hydro	444	447
Nasik				2024	1872
Unit 3	210	210	REL		
Unit 4	210	210	1&2	500	500
Unit 5	210	180		500	500
	630	600	Cent Sect		
Uran			Share	3455	4759
All Units	852	475		3455	4759
	852	475			
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	0			
TILLARI	60	0			