



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

State Load Dispatch Center, Airoli

Daily system Report

for

09/Dec/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 09/Dec/2011 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	105.162	1030.211	1) Gujrat	4.302	40.488
2) Hydro	17.777	138.995	2) Madhya Pradesh	23.962	180.304
3) Gas	15.452	127.753	3) Chattisgarh	14.520	125.720
Total MSGENCO	138.391	1296.959	4) Maharashtra	57.907	454.781
B) OTHERS			5) Goa	-6.153	-55.223
1) JSW JAIGAD	25.954	235.691	6) TAPS 1&2 Injection	7.661	67.641
2) WPCL	7.685	66.611	7) RGPPL Injection	19.393	251.771
3) Other CPP / IPP	7.118	64.634	8) Pench (Excess)	-0.186	-3.239
4) Wind Generation	2.648	20.249	# Total Cent. Sector	121.406	1062.243
5) PENCH (MS)	0.186	3.239	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-13.040	-80.198
1) TPCL Thermal	29.789	263.725	G) Bilateral Power *		
2) TPCL Hydro	3.708	33.297	1) MSEDCL Bilateral	41.442	337.866
TOTAL TPCL	33.497	297.022	Include PX	2.064	28.125
3) REL Thermal	7.110	107.927	2) MUMBAI Bilateral	13.221	110.305
D) STATE			Include PX	2.169	10.099
1) Thermal (A1+C1+C3)	142.061	1401.863	3) MUMBAI Schedule	17.646	114.730
2) Hydro (A2+B5+C2)	21.671	175.531	H) ENERGY CATERED (MUs)		
3) Gas (A3)	15.452	127.753	1) MSEDCL	290.348	2669.428
4) Wind (B4)	2.648	20.249	2) TPCL	36.722	325.751
5) CPP (B1+B2+B3)	40.757	366.936	3) REL	16.921	159.381
TOTAL STATE	222.589	2092.332	TOTAL STATE	343.991	3154.560

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	4399	4451	4382
MSGENCO Hydro	1902	587	123
MSGENCO Gas	620	632	657
MSGENCO Total Generation	6921	5670	5162
Central Sector Receipt	4451	5363	5154
WIND	106	85	109
CPP / IPP	1744	1682	1662
Exchange with Mumbai	-685	-690	-65
MSEDCL DEMAND MET	12553	12135	11972
Load Shedding (LS)	1983	1265	312
MSEDCL DEMAND (INCL. LS)	14536	13400	12284
TPCL GENERATION	1766	1757	1046
REL GENERATION	264	264	498
TPCL+REL DEMAND	2715	2711	1609
STATE DEMAND MET	15268	14846	13581
Load Management (LM)	2753	4075	1675
Total Load Relief (LS+LM)	4736	5340	1987
UNRESTRICTED STATE DEMAND	20004	20186	15568
Frequency (Hz)	49.68	49.78	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.25 Hz at 06.07 Hrs	49.18 Hz at 22.06 Hrs	49.8	.16 % 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 09/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	3.39	28.80	153	130	150	KDPH	0.46	4.20	20	19	19	
Unit 6	3.36	18.12	161	113	135	VTRNA	0.00	0.00	0	0	0	
Unit 7	3.76	32.44	170	105	155	TILLARI	0.00	0.00	0	0	0	
Total	10.52	79.37			440	BHTGR/VEER	0.12	1.90	6	5	6	
Bhusawal						BHIRA T.R.	0.25	1.90	41	0	40	
Unit 2	0.00	29.37	0	0	0	RNGR+BHTSA	0.38	3.34	16	15	17	
Unit 3	4.32	38.13	190	165	180	BHANDARDRA	0.00	0.00	0	0	0	
Unit 4	0.00	0.00	0	0		ELDARY	0.34	0.79	15	11	12	
Total	4.32	67.50			180	SMLHY_PTN	0.80	9.32	42	30	9	
Parli						GHATGHAR	1.99	6.98	250	0	0	
Unit 3	0.00	0.00	0	0	0	Total	4.36	28.43			103	
Unit 4	4.24	35.66	189	155	185	Wind						
Unit 5	2.84	23.52	146	97	100	MalharPeth	0.12	1.19				
Unit 6	0.00	35.08	0	0	0	Vankuswadi	0.26	2.44				
Unit 7	5.03	41.16	248	154	190	ATIT	0.04	0.49				
Total	12.11	135.42			475	Kale	0.11	0.76				
Chandrapur						Satara	0.28	3.60				
Unit 1	3.63	33.85	157	140	160	Shirala	0.12	0.85				
Unit 2	3.77	14.91	165	136	160	K Mahankal	0.55	1.89				
Unit 3	4.04	38.56	184	146	175	Supa	0.05	0.51				
Unit 4	4.71	44.19	206	180	210	Vita	0.65	3.74				
Unit 5	10.86	98.60	470	415	450	Dondaicha	0.18	2.36				
Unit 6	0.00	42.45	0	0	0	Sakri	0.00	0.18				
Unit 7	9.10	84.74	402	345	400	Nandurbar	0.02	0.32				
Total	36.11	357.31			1555	Khandke	0.22	1.09				
Paras						Khaparale	0.05	0.83				
Unit 3	4.12	36.04	184	154	160	Total	2.65	20.25				
Unit 4	4.18	35.58	190	155	160	CPP						
Total	8.29	71.61			320	JSW JAIGAD	25.95	235.69	1125	1002	1055	
Khaparkheda						WARDHA	7.68	66.61	324	317	363	
Unit 1	4.28	39.06	200	155	180	Other CPPs	7.12	64.63				
Unit 2	3.14	37.72	186	0	180	Total	40.76	366.94			1418	
Unit 3	4.69	42.41	209	175	200	Tata						
Unit 4	4.53	40.75	204	172	200	Trombay 4	0.00	0.00	0	0	0	
Unit 5	3.15	31.30	153	103		Trombay 5	11.33	104.18	495	312	495	
Total	19.78	191.22			760	Trombay 6	7.95	67.15	448	156	500	
Nasik						Trombay 7A	2.87	24.50	126	99	120	
Unit 3	4.64	45.14	215	0	210	Trombay 7B	1.56	13.78	67	60	60	
Unit 4	4.96	42.98	210	201	210	Trombay 8	6.08	54.11	255	251	250	
Unit 5	4.42	39.64	188	174	180	TATA Hydro	3.71	33.30	390	0	447	
Total	14.03	127.77			600	Total	33.50	297.02			1872	
Uran						REL						
All Units	15.45	127.75	682	605	630	1&2	7.11	107.93	528	264	250	
Total	15.45	127.75			630	Total	7.11	107.93			250	
PENCH (MS)						Cent Sect						
Pench (MS)	0.19	3.24	25	0		Share					5674	
Total	0.19	3.24				Total					5674	
Koyna												
Stage 1-2	4.44	40.43	575	40	600							
Stage 4	6.36	50.08	952	0	250							
Stage 3	2.61	20.05	320	0	320							
Total	13.42	110.56			1170							
Koyna 12&4 Total	10.81	90.52			850							
							MS PG CL	Thermal	105.16	1030.21		4330
								Thml+Gas	120.61	1157.96		4960
								Hydro	17.78	139.00		1273
								Total	138.39	1296.96		6233
							State Total		222.59	2092.33		15447

State Load Dispatch Center, Airoli (MSETCL)

Hourly Load Data As on 09/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	4358	122	652	5132	144	1617	5436	5290	-443	-264	11919	2204	12074	1881	16004	50.02
2	4356	123	656	5135	121	1608	5320	5129	-312	-111	11882	2207	12149	1704	15793	50.01
3	4382	123	657	5162	109	1612	5269	5154	-259	-65	11972	1987	12284	1609	15568	50.01
4	4374	124	653	5151	154	1608	5357	5353	-584	-370	11896	2208	12216	1557	15661	50.03
5	4375	125	657	5157	157	1697	5237	5481	-457	-353	12139	2313	12500	1549	16001	49.96
6	4493	129	679	5301	189	1735	5258	5723	-487	-333	12615	2765	13307	1630	17010	49.94
7	4510	134	682	5326	201	1739	5119	5113	-551	-401	11978	4209	13547	1758	17945	49.82
8	4455	159	678	5292	229	1734	5177	5361	-592	-489	12127	4716	13874	1870	18713	49.84
9	4546	697	664	5907	176	1727	4901	4698	-640	-532	11976	4919	13768	2116	19011	49.67
10	4558	1693	648	6899	137	1694	3990	4111	-703	-624	12217	4952	14212	2448	19617	49.68
11	4485	1639	626	6750	129	1732	4442	4593	-862	-677	12527	4790	14580	2656	19973	49.63
12	4399	1902	620	6921	106	1744	4513	4451	-982	-685	12553	4736	14536	2715	20004	49.68
13	4384	1893	621	6898	63	1735	4498	4623	-971	-751	12593	4862	14700	2688	20143	49.69
14	4393	1771	614	6778	44	1747	4550	4818	-926	-716	12691	4439	14432	2607	19737	49.65
15	4461	1910	605	6976	37	1741	4534	4841	-939	-775	12825	4099	14420	2671	19595	49.68
16	4463	1877	605	6945	30	1743	4549	4703	-954	-763	12658	4114	14339	2684	19456	49.74
17	4431	877	617	5925	43	1702	4316	4552	-936	-754	11468	4563	13259	2697	18728	49.81
18	4428	462	630	5520	67	1705	4480	4616	-870	-669	11239	4649	12675	2644	18532	49.65
19	4451	587	632	5670	85	1682	5000	5363	-1047	-690	12135	5340	13400	2711	20186	49.78
20	4402	658	641	5701	88	1676	5285	5315	-972	-708	12097	5122	13079	2671	19890	49.75
21	4342	264	658	5264	85	1668	5258	5507	-923	-686	11863	4939	12675	2467	19269	49.79
22	4225	148	662	5035	89	1737	5445	5203	-894	-619	11468	4751	12106	2259	18478	49.89
23	4010	233	640	4883	83	1698	5432	5680	-825	-540	11824	4036	12400	2101	17961	49.61
24	3881	127	655	4663	82	1676	5531	5731	-756	-465	11689	3412	12084	1954	17055	49.75
MUs	105.16	17.78	15.45	138.39	2.65	40.76	118.90	121.41	-17.89	-13.04	290.35	96.33	318.62	53.65	440.33	49.80

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 09/Dec/2011

Position as on 6.30 Hrs of 10/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.	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.	08/12/2011
Dabhol 1A	230	14/11/2011	12:00		Continued.	Gas Shortage.	
Chandrapur Unit 6	500	05/12/2011	01.09	10/12/2011	04.13	BLR T/L.	
Dabhol 3A	230	07/12/2011	08.52	09/12/2011	21.21	Generator Diff.Protection	
Bhusawal Unit 2	210	07/12/2011	21.55	10/12/2011	05.10	Boiler Tube Leakage	
Parli Unit 6	250	08/12/2011	09.13		Continued.	Boiler Tube Leakage.	
REL 2	250	09/12/2011	03.06		Continued.	Withdrawn on Boiler Tube Leakage.	12/12/2011
Dabhol 1B	230	09/12/2011	08.12	09/12/2011	13.20	DCS System Freez.	
Dabhol 1X	290	09/12/2011	08.12	09/12/2011	15.22	DCS System Freez.	
Dabhol 2A	230	09/12/2011	08.12	09/12/2011	12.23	DCS System Freez.	
Dabhol 2B	230	09/12/2011	08.12	09/12/2011	17.53	DCS System Freez.	
Dabhol 2X	290	09/12/2011	08.12	09/12/2011	14.07	DCS System Freez.	
Dabhol 3B	230	09/12/2011	08.12	09/12/2011	17.59	DCS System Freez.	
Dabhol 3X	290	09/12/2011	08.12	09/12/2011	20.05	DCS System Freez.	
Khaparkheda Unit 2	210	09/12/2011	20.07	10/12/2011	00.33	Flame Failure.	
Nasik Unit 3	210	09/12/2011	22.30		Continued.	Air heater problem.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 09/Dec/2011

Position as on 6.30 Hrs of 10/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
220 KV Road side Bus @ Kalwa	09/12/2011	06.10	09/12/2011	18.48	Replacement of single core conductor by twin core conductor.
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	07/12/2011	00.09		Continued.	Over Voltage
Dhule-Sar'Sarovar - II	08/12/2011	22.42	09/12/2011	07.41	H/T for Over Voltage.
Dhule-Sar'Sarovar - I	08/12/2011	23.35		Continued.	H/T for 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.
Kalwa-Padgha II	09/12/2011	09.04	09/12/2011	19.09	Bay maintenance work.
400 KV Main Bus - II @ Aurangabad	09/12/2011	10.58	09/12/2011	17.38	Charging of newly erected Main Bus II for charging of 400 KV BSL-Waluj D/C line bays.
Babaleshwar - Bhusawal	09/12/2011	11.40	09/12/2011	14.38	Attending B-Ph CT leakage.
Karad - Newkoyna - I	09/12/2011	11.45	09/12/2011	22.57	Attending hot spot.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C
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 11/12/2011
220/100KV 200MVA ICT-IV at Kalwa	15/11/2011	22.15		Continued.	Filteration 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.
Kalwa-Trombay	30/11/2011	09.20		Continued.	Replacement of Breaker (Taken on TBC upto 14/12/2011).
Warora-Wardha	08/12/2011	07.59	09/12/2011	01.39	Stringing work of 400 KV Mouda - Wardha D/C line.
Hinganghat-Bhugaon	08/12/2011	07.59	09/12/2011	01.39	Stringing work of 400 KV Mouda - Wardha D/C line.
Kalwa-Taloja	09/12/2011	05.39	09/12/2011	19.25	Outage at 220 KV Road side Bus @Kalwa.
Kalwa-Temghar	09/12/2011	05.40	09/12/2011	20.19	Outage at 220 KV Road side Bus @Kalwa.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 09/Dec/2011

Position as on 6.30 Hrs of 10/Dec/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
220 KV Road Side Bus @ Kalwa	09/12/2011	06.10	09/12/2011	18.48	Replacement of conductor.
220/132 KV 200 MVA ICT-II @ Boiser	09/12/2011	08.05	09/12/2011	16.00	Attending hot spot.
Khaparkheda-Ambazari - I	09/12/2011	08.42	09/12/2011	16.27	Tan delta measurement.
Kandalgaon - Dasturi	09/12/2011	09.13	09/12/2011	15.33	R.M.Work
Padgha - Nalasopara	09/12/2011	09.37	09/12/2011	18.11	Bay maintenance work.
220/132KV 200 MVA ICT-III @ Padegaon	09/12/2011	10.15	09/12/2011	13.09	Oil leakage from top plate.
220 KV Bus Section - I @ Apta	09/12/2011	12.30	09/12/2011	17.47	Tan delta measurement.
220/132KV 100 MVA ICT-I @Padegaon	09/12/2011	13.53	09/12/2011	16.18	Oil leakage from top plate.
Voltage Level : 132KV		Outage Type PLANNED OUTAGE			
Bhusawal - Jalgaon - II	06/12/2011	09.25		Continued.	Replacement of Bus Isolator
Girwali - Kej	06/12/2011	18.30		Continued.	Replacement of Breaker
Ambazari-Kalmeshwar	09/12/2011	06.50		Continued.	Stringing work of og 400 KV Wardha(PG)Koradi II ckt.
Voltage Level : 100KV		Outage Type PLANNED OUTAGE			
Chinchwad - Talegaon	25/11/2011	11.29		Continued.	Line Strengthning.
Voltage Level : 220KV		Outage Type FORCED OUTAGE			
Hinganghat - Rly TSS - I	09/12/2011	02.03		Continued.	CKT on TBC, CKT breaker timing problem.
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 nitrogan pressure fire alarm received.
Karad - Kolhapur - II	08/12/2011	20.22	09/12/2011	10.30	H/T for over voltage.
Bhusawal- Aurangabad	08/12/2011	21.20	09/12/2011	05.29	H/T for Over Voltage.
Bhusawal- Aurangabad	09/12/2011	20.57	10/12/2011	05.32	Over Voltage.
Karad - Kolhapur - II	09/12/2011	21.09		Continued.	Over Voltage.
Voltage Level : 220KV		Outage Type HAND TRIPPED			
Chandrapur - Warora	09/12/2011	01.44		Continued.	Hand trip.
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 10/Dec/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	135
Unit 6	210	135
Unit 7	210	155
	620	425
Bhusawal		
Unit 2	210	100
Unit 3	210	180
Unit 4	500	
	920	280
Parli		
Unit 3	210	0
Unit 4	210	170
Unit 5	210	135
Unit 6	250	0
Unit 7	250	220
	1130	525
Chandrapur		
Unit 1	210	150
Unit 2	210	170
Unit 3	210	185
Unit 4	210	210
Unit 5	500	450
Unit 6	500	300
Unit 7	500	400
	2340	1865
Paras		
Unit 3	250	160
Unit 4	250	160
	500	320
Khaparkheda		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	170
Unit 4	210	170
Unit 5	500	
	1340	680
Nasik		
Unit 3	210	0
Unit 4	210	210
Unit 5	210	180
	630	390
Uran		
All Units	852	630
	852	630
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	18
VTRNA	60	0
TILLARI	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	6
BHIRA T.R.	80	40
RNGR+BHTSA	20	17
BHANDARDRA	45	0
ELDARY	23	12
SMLHY_PTN	12	17
GHATGHAR	250	0
	611	110
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	1005
WARDHA	405	362
Other CPPs	0	
	1005	1367
Tata		
Trombay 4	150	0
Trombay 5	500	495
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1872
REL		
1&2	500	250
	500	250
Cent Sect		
Share	3455	5675
	3455	5675