



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

State Load Dispatch Center, Airoli

Daily system Report

for

09/Dec/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 09/Dec/2012 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	116.991	1092.893	1) Gujrat	14.671	99.316
2) Hydro	8.471	109.942	2) Madhya Pradesh	20.560	151.213
3) Gas	7.623	76.148	3) Chattisgarh	13.240	110.840
Total MSGENCO	133.085	1278.983	4) Maharashtra	74.127	615.221
B) 1) JSW JAIGAD	20.227	184.878	5) Goa	-5.226	-50.086
2) WPCL	8.865	79.712	6) TAPS 1&2 Injection	3.276	31.435
3) ADANI	0.000	0.000	7) RGPPL Injection	11.490	81.783
4) Other CPP / IPP	10.817	94.141	8) Pench (Excess)	-0.195	-2.643
5) Wind Generation	2.393	37.053	# Total Cent. Sector	131.943	1037.079
6) PENCH (MS)	0.195	2.643	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-8.196	-91.323
1) TPCL Thermal	23.958	230.457	G) Bilateral Power *		
2) TPCL Hydro	1.256	29.143	1) MSEDCL Bilateral	45.042	328.865
TOTAL TPCL	25.214	259.600	Include PX	4.136	3.836
3) REL Thermal	12.635	100.086	2) MUMBAI Bilateral	10.583	91.775
D) STATE			Include PX	0.012	1.789
1) Thermal (A1+C1+C3)	153.584	1423.436	3) MUMBAI Schedule	10.583	93.075
2) Hydro (A2+B5+C2)	9.922	141.728	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.623	76.148	1) MSEDCL	299.329	2623.166
4) Wind (B4)	2.393	37.053	2) TPCL	30.218	302.655
5) CPP (B1+B2+B3)	39.909	358.731	3) REL	15.827	148.342
TOTAL STATE	213.431	2037.096	TOTAL STATE	345.374	3074.163

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	4868	4976	4918
MSGENCO Hydro	1000	125	140
MSGENCO Gas	310	311	322
MSGENCO Total Generation	6178	5412	5380
Central Sector Receipt	6260	5915	4801
WIND	22	112	107
CPP / IPP	1666	1669	1642
Exchange with Mumbai	-355	-259	-332
MSEDCL DEMAND MET	13771	12849	11598
Load Shedding	851	567	242
MSEDCL DEMAND	14622	13416	11840
TPCL GENERATION	1177	1126	825
R-INFRA GENERATION	526	526	528
TPCL+R-INFRA DEMAND	2058	1911	1685
STATE DEMAND MET	15829	14760	13283
STATE DEMAND	16680	15327	13525
Frequency (Hz)	49.86	50.02	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.44 Hz at 06:01 Hrs	49.38 Hz at 07:24 Hrs	49.97	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 09/Dec/2012

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						Total	4.18	73.48			930
Unit 5	0.00	0.00	0	0	0	Hydro					
Unit 6	2.71	28.21	130	67	120	KDPH	0.60	2.87	36	19	36
Unit 7	3.08	29.71	140	90	125	VTRNA	0.24	0.99	61	0	60
Total	5.78	57.92			245	TILLARI	0.26	2.38	60	0	60
Bhusawal						BHTGR/VEER	0.05	0.53	2	1	2
Unit 2	0.00	0.00	0	0	0	BHIRA T.R.	0.20	1.85	41	0	40
Unit 3	4.16	38.98	180	165	175	RNGR+BHTSA	0.40	3.57	17	16	16
Unit 4	8.46	68.53	390	260	330	BHANDARDRA	0.00	3.71	0	0	0
Unit 5	0.00	0.00	0	0	0	ELDARY	0.00	0.00	0	0	0
Total	12.63	107.51			505	SMLHY_PTN	1.16	10.15	55	45	10
Parli						GHATGHAR	1.38	10.41	240	0	0
Unit 3	3.16	31.06	149	117	131	Total	4.29	36.46			224
Unit 4	0.00	0.00	0	0	0	Wind					
Unit 5	3.99	32.90	175	155	166	MalharPeth	0.12	2.81			
Unit 6	0.00	0.00	0	0	0	Vankuswadi	0.20	4.10			
Unit 7	4.98	41.99	231	159	185	ATIT	0.02	0.83			
Total	12.13	105.94			482	Kale	0.04	1.32			
Chandrapur						Satara	0.22	3.80			
Unit 1	3.56	32.09	151	145	160	Shirala	0.05	1.67			
Unit 2	3.76	26.45	167	136	160	K Mahankal	0.00	3.78			
Unit 3	4.55	40.45	200	163	200	Supa	0.06	0.58			
Unit 4	4.61	40.84	198	178	200	Vita	0.10	4.47			
Unit 5	10.64	92.60	460	430	450	Dondaicha	1.20	7.94			
Unit 6	10.76	95.56	475	390	450	Sakri	0.17	1.09			
Unit 7	8.72	87.19	452	275	370	Nandurbar	0.10	0.64			
Total	46.59	415.18			1990	Khandke	0.04	2.33			
Paras						Khaparale	0.08	1.70			
Unit 3	5.96	50.20	265	185	230	Total	2.39	37.05			
Unit 4	6.04	49.04	262	223	230	CPP					
Total	12.01	99.24			460	JSW_JAIGAD	20.23	184.88	871	801	809
Khaparkheda						WARDHA	8.86	79.71	373	368	369
Unit 1	3.48	31.82	180	110	115	Adani	0.00	0.00	0	0	
Unit 2	3.75	32.86	188	95	117	Other_CPPs	10.82	94.14			
Unit 3	1.88	31.13	145	0	118	Total	39.91	358.73			1178
Unit 4	3.54	33.04	196	110	117	Tata					
Unit 5	5.57	78.87	308	177	286	Trombay 4	0.00	0.00	0	0	0
Total	18.22	207.73			753	Trombay 5	9.91	87.33	495	284	500
Nasik						Trombay 6	3.74	50.81	157	155	500
Unit 3	1.36	33.87	195	0	190	Trombay 7A	2.93	26.70	127	114	120
Unit 4	4.07	27.46	187	72	190	Trombay 7B	1.64	14.83	71	65	60
Unit 5	4.20	38.03	193	88	190	Trombay 8	5.73	50.78	254	195	250
Total	9.63	99.36			570	TATA Hydro	1.26	29.14	129	0	318
Uran						Total	25.21	259.60			1748
All Units	7.62	76.15	328	304	315	REL					
Total	7.62	76.15			315	1&2	12.64	100.09	528	525	500
PENCH (MS)						Total	12.64	100.09			500
Pench (MS)	0.20	2.64	49	0	0	Cent Sect					
Total	0.20	2.64			0	Share					5199
Koyna						Total					5199
Stage 1-2	2.36	28.26	350	40	440	MS PG CL					
Stage 4	1.27	32.24	290	0	250	Thermal	116.99	1092.89			5005
Stage 3	0.55	12.98	160	0	240	Thml+Gas	124.61	1169.04			5320
Koyna 12&4 Total	3.63	60.50			690	Hydro	8.47	109.94			1154
						Total	133.08	1278.98			6474
						State Total	213.43	2037.10			15099

State Load Dispatch Center, Airoli (MSETCL)

Hourly Load Data As on 09/Dec/2012

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	LOAD SHEDDING	MSEDCL DEMAND WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	5000	140	322	5462	101	1658	4598	5130	-465	-424	11927	91	12018	1940	13958	49.88
2	4918	140	322	5380	105	1658	4558	4880	-427	-353	11670	223	11893	1782	13675	50.02
3	4918	140	322	5380	107	1642	4559	4801	-427	-332	11598	242	11840	1685	13525	50.00
4	4930	150	322	5402	89	1622	4560	4886	-427	-279	11720	252	11972	1621	13593	50.01
5	4963	150	328	5441	69	1618	4552	4992	-419	-270	11850	294	12144	1612	13756	49.97
6	4968	250	325	5543	64	1660	4597	5250	-405	-310	12207	472	12679	1657	14336	50.02
7	5002	245	322	5569	18	1660	5195	5348	-411	-312	12283	896	13179	1681	14860	50.03
8	4763	747	326	5836	23	1660	5178	5507	-416	-293	12733	890	13623	1701	15324	49.74
9	4491	763	324	5578	18	1657	5406	5879	-345	-216	12916	898	13814	1792	15606	49.86
10	4698	1180	315	6193	15	1664	5465	5888	-379	-234	13526	713	14239	1924	16163	49.91
11	4787	1092	317	6196	23	1665	5780	6236	-428	-306	13814	621	14435	2030	16465	49.87
12	4868	1000	310	6178	22	1666	5826	6260	-442	-355	13771	851	14622	2058	16680	49.86
13	4983	511	311	5805	60	1665	5782	6011	-448	-346	13195	977	14172	2068	16240	49.91
14	5030	338	307	5675	37	1678	5612	6160	-418	-330	13220	890	14110	2013	16123	49.98
15	5029	139	304	5472	91	1675	5883	6197	-375	-283	13152	783	13935	1966	15901	49.98
16	4967	130	304	5401	106	1676	5900	6192	-361	-280	13095	686	13781	1940	15721	49.87
17	4976	125	311	5412	112	1669	5794	5915	-340	-259	12849	567	13416	1911	15327	50.02
18	4995	138	310	5443	133	1653	5143	5168	-378	-294	12113	526	12639	1940	14579	50.02
19	4883	220	315	5418	178	1665	5267	5544	-532	-439	12414	430	12844	2151	14995	49.98
20	4909	234	316	5459	206	1667	5352	5254	-580	-490	12144	543	12687	2187	14874	49.97
21	4832	172	321	5325	198	1669	5006	5074	-543	-437	11878	332	12210	2185	14395	50.07
22	4727	129	322	5178	257	1664	4917	4967	-541	-451	11655	318	11973	2143	14116	50.07
23	4662	122	322	5106	209	1696	4693	5313	-561	-429	11895	66	11961	2075	14036	50.01
24	4692	216	325	5233	152	1702	4380	5091	-514	-474	11704	50	11754	1983	13737	50.12
MUs	116.99	8.47	7.62	133.08	2.39	39.91	124.00	131.94	-10.58	-8.20	299.33	12.61	311.94	46.04	357.98	49.97

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/2012

Position as on 6.30 Hrs of 10/Dec/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
CPP WPCL U-3	135	26/11/2012	17.33		Continued.	Annual Shutdown.	
Parli Unit 4	210	28/11/2012	02.37		Continued.	W/DN due to water shortage.	
Koyna Unit 12	80	29/11/2012	08.30		Continued.	A/OH.	
CPP JSW (J) U4	300	30/11/2012	23.32		Continued.	Planned shutdown A.M.	
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 1B	230	09/10/2012	13.56		Continued.	Gas Shortage.	
Bhusawal Unit 2	210	19/10/2012	22.22		Continued.	ID Fan Problem	
Dabhol 3B	230	28/10/2012	12.43		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.	
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.	
Uran Unit 5	108	19/11/2012	23.55		Continued.	Gas Shortage	
Bhusawal Unit 5	500	25/11/2012	07.32		Continued.	Coal Shortage	
Dabhol 3X	290	03/12/2012	21.21		Continued.	Gas Shortage	
Dabhol 3A	230	03/12/2012	21.23		Continued.	Gas Shortage	
Uran Unit 6	108	05/12/2012	11.07		Continued.	Gas shortage.	
Parli Unit 6	250	07/12/2012	09.57		Continued.	Flame failure.	
Cent_Sect Sipat U-1	660	07/12/2012	22.37		Continued.	Boiler tube leakage.	
Koyna ST-IV 1	250	09/12/2012	00.00	09/12/2012	03.00	Preventive maintenance work.	
Nasik Unit 3	210	09/12/2012	07.20	10/12/2012	05.25	Station T/F-3 Tripped due to LVside Cable Box Burnt	
Khaparkheda Unit 3	210	09/12/2012	15.21		Continued.	Boiler Tube Leakage	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 09/Dec/2012

Position as on 6.30 Hrs of 10/Dec/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d 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
Kalmeshwar - Pandurna	08/12/2012	08.13		Continued.	Making tension,Shifting of new tower.
Tillary-Amona	09/12/2012	07.52	09/12/2012	18.52	Replacement of Disc Insulator
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Seoni - Wardha - I 765KV	03/12/2012	22.34		Continued.	Over Voltage
Kolhapur-Solapur (PG) II	04/12/2012	12.41		Continued.	Over Voltage.
Dhule-S'Sarovar I	06/12/2012	21.55		Continued.	Over Voltage.
Kolhapur-Mapusa-II	08/12/2012	17.18		Continued.	Over Voltage.
Akola - Wardha - I	08/12/2012	21.50	09/12/2012	07.36	Over Voltage,
Akola - Wardha - II	09/12/2012	23.29		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)
Karad - Solapur (PGCIL)	09/12/2012	14.20	09/12/2012	14.34	Distance Protection
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.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Kharghar - Kalwa	19/10/2012	08.55		Continued.	Mumbai Strengthening work
Ghodbandar - Bhoisor (MSETCL)	04/11/2012	10.35		Continued.	mumbai strengthening work to be carried out on Boiser-Borivali section upto 31/1/2013
Trombay - Tifil	02/12/2012	08.19		Continued.	Mumbai Strengthening work(Till 30/12/2012)
Uran - Kharghar - I	03/12/2012	07.26	09/12/2012	22.39	Diversion of 220KV Uran-Kharghar D/C(UPto 10/12/2012)
Uran-Kharghar-II	03/12/2012	07.42	09/12/2012	23.07	Diversion of 220KV Uran-Kharghar D/C(UPto 10/12/2012)
Bus coupler-I at Kalwa	07/12/2012	09.01	09/12/2012	11.48	Maintenance work.
220/132KV 200 MVA ICT-III @ Padegaon	07/12/2012	14.36		Continued.	Replacement of MOCB(ICT will be charged through TBC.)
Lonand - Bothe (Surwadi)	08/12/2012	10.27		Continued.	220KV periphara unit(Bus Bar)confirmation through primary
Nerul -Sonkhar	09/12/2012	08.30	09/12/2012	14.05	Measurement of Tan Delta
Main Bus II @ Aarey	09/12/2012	08.38	09/12/2012	16.48	Annual Maintenance
220/100KV 200 MVA ICT III at Borivali	09/12/2012	09.55	09/12/2012	15.20	Tan Delta of CT
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.
Deepnagar-Aurangabad-I	04/12/2012	11.49		Continued.	Over Voltage.
400/220 KV 315 MVA ICT @ Akola	06/12/2012	12.26		Continued.	Due to abnormal results of DGA test.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 09/Dec/2012

Position as on 6.30 Hrs of 10/Dec/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Bhusawal- Aurangabad	07/12/2012	19.33	09/12/2012	08.51	Over Voltage.
Karad - Kolhapur - II	08/12/2012	16.53	09/12/2012	08.42	Over Voltage.
Karad - Kolhapur - I	08/12/2012	21.01	09/12/2012	11.06	Over Voltage.
Karad-Kolhapur-II	09/12/2012	16.34		Continued.	Over Voltage
Bhusawal- Aurangabad	09/12/2012	16.34		Continued.	Over Voltage
Karad - Kolhapur - I	09/12/2012	20.30		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.
400/220 KV 600 MVA ICT - IV @ Padgha	09/12/2012	08.32	09/12/2012	19.01	Firewall Construction
Voltage Level : 220KV			Outage Type TRIPPED		
Bus section-II at Nsk GCR	08/12/2012	01.41		Continued.	Bus Section-II,'B' ph.CT burst.
Pdambe - Oni	09/12/2012	13.30	09/12/2012	14.19	Distance Protection
Kandalgaon-Lonand	10/12/2012	06.05		Continued.	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Giravali-Gangakhed	08/12/2012	18.06	09/12/2012	16.35	Distance protection.
Nanded - Kandhar	08/12/2012	18.20	09/12/2012	11.48	Distance protection.
Padegaon-Garware	08/12/2012	19.27	09/12/2012	01.55	B ph.PT burst at Garware.
Chitegaon - Garware	08/12/2012	19.27	09/12/2012	01.54	B ph PT burst at Garware.
Parly - Renapur	09/12/2012	13.57	09/12/2012	14.30	Distance Protection
Waghala - Kandhar	09/12/2012	15.24	09/12/2012	15.52	Backup Protection O/C Earth Fault

State Load Dispatch Center, Airoli (MSETCL)

Details of On Line Capacity for 10/Dec/2012

Generating unit	Derated Capacity (MW)	OLC (MW)	Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi			TILLARI	60	60
Unit 5	200	0	BHTGR/VEER	21	2
Unit 6	210	105	BHIRA T.R.	80	40
Unit 7	210	150	RNGR+BHTSA	20	16
	620	255	BHANDARDRA	45	0
Bhusawal			ELDARY	23	0
Unit 2	210	0	SMLHY_PTN	12	9
Unit 3	210	190	GHATGHAR	250	0
Unit 4	500	280		611	145
Unit 5	500	0	Wind		
	1420	470	MalharPeth	0	
Parli			Vankuswadi	0	
Unit 3	210	120	ATIT	0	
Unit 4	210	0	Kale	0	
Unit 5	210	170	Satara	0	
Unit 6	250	0	Shirala	0	
Unit 7	250	180	K Mahankal	0	
	1130	470	Supa	0	
Chandrapur			Vita	0	
Unit 1	210	155	Dondaicha	0	
Unit 2	210	160	Sakri	0	
Unit 3	210	200	Nandurbar	0	
Unit 4	210	200	Khandke	0	
Unit 5	500	450	Khaparale	0	
Unit 6	500	450		0	
Unit 7	500	400	CPP		
	2340	2015	JSW_JAIGAD	600	850
Paras			WARDHA	405	380
Unit 3	250	250	Adani	660	
Unit 4	250	250	Other_CPPs	0	
	500	500		1665	1230
Khaparkheda			Tata		
Unit 1	210	180	Trombay 4	150	0
Unit 2	210	180	Trombay 5	500	500
Unit 3	210	0	Trombay 6	500	500
Unit 4	210	180	Trombay 7A	120	120
Unit 5	500	200	Trombay 7B	60	60
	1340	740	Trombay 8	250	250
Nasik			TATA Hydro	444	318
Unit 3	210	190		2024	1748
Unit 4	210	190	REL		
Unit 5	210	190	1&2	500	500
	630	570		500	500
Uran			Cent Sect		
All Units	852	310	Share	3455	5404
	852	310		3455	5404
PENCH (MS)					
Pench (MS)	53				
	53				
Koyna					
Stage 1-2	600	440			
Stage 4	1000	250			
Stage 3	320	240			
	1920	930			
Hydro					
KDPH	40	18			
VTRNA	60	0			