



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

State Load Dispatch Center, Airoli

Daily system Report

for

09/Jan/2012

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	120.345	956.262	1) Gujrat	0.610	31.633
2) Hydro	7.488	88.063	2) Madhya Pradesh	21.786	207.210
3) Gas	15.690	136.459	3) Chattisgarh	13.440	118.220
Total MSGENCO	143.523	1180.784	4) Maharashtra	49.516	465.218
B) OTHERS			5) Goa	-5.260	-51.515
1) JSW JAIGAD	21.797	197.197	6) TAPS 1&2 Injection	7.802	70.278
2) WPCL	7.973	67.241	7) RGPPL Injection	24.765	228.202
3) Other CPP / IPP	6.501	57.994	8) Pench (Excess)	-0.499	-3.421
4) Wind Generation	3.067	23.074	# Total Cent. Sector	112.160	1065.825
5) PENCH (MS)	0.499	3.826	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-3.544	-23.954
1) TPCL Thermal	24.384	229.311	G) Bilateral Power *		
2) TPCL Hydro	2.712	23.633	1) MSEDCL Bilateral	43.903	381.354
TOTAL TPCL	27.096	252.944	Include PX	4.708	35.837
3) REL Thermal	11.972	111.707	2) MUMBAI Bilateral	6.997	59.190
D) STATE			Include PX	-3.673	-37.732
1) Thermal (A1+C1+C3)	156.701	1297.280	3) MUMBAI Schedule	6.997	59.190
2) Hydro (A2+B5+C2)	10.699	115.522	H) ENERGY CATERED (MUs)		
3) Gas (A3)	15.690	136.459	1) MSEDCL	291.976	2571.987
4) Wind (B4)	3.067	23.074	2) TPCL	28.822	260.585
5) CPP (B1+B2+B3)	36.271	322.432	3) REL	13.786	128.007
TOTAL STATE	222.428	1894.767	TOTAL STATE	334.584	2960.579

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5014	5533	4415
MSGENCO Hydro	553	313	146
MSGENCO Gas	636	649	669
MSGENCO Total Generation	6203	6495	5230
Central Sector Receipt	5261	4296	4533
WIND	26	186	134
CPP / IPP	1593	1746	1144
Exchange with Mumbai	-268	-260	98
MSEDCL DEMAND MET	12867	12516	11139
Load Shedding (LS)	1709	277	56
MSEDCL DEMAND (INCL. LS)	14576	12793	11195
TPCL GENERATION	1452	1442	796
REL GENERATION	528	529	388
TPCL+REL DEMAND	2248	2231	1086
STATE DEMAND MET	15115	14747	12225
Load Management (LM)	2356	3718	1562
Total Load Relief (LS+LM)	4065	3995	1618
UNRESTRICTED STATE DEMAND	19180	18742	13843
Frequency (Hz)	49.78	49.85	50.30

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.44 Hz at 02:32 Hrs	49.16 Hz at 19:08 Hrs	49.88	.1 % 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 09/Jan/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	1.47	19.63	146	0	0
Unit 6	3.59	27.25	167	125	155
Unit 7	4.46	35.19	200	170	195
Total	9.52	82.07			350
Bhusawal					
Unit 2	4.39	26.17	190	175	180
Unit 3	4.18	38.31	195	145	180
Unit 4	0.00	0.00	0	0	0
Total	8.56	64.48			360
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.59	38.39	209	166	205
Unit 5	3.22	15.60	155	112	145
Unit 6	4.58	41.71	225	168	180
Unit 7	4.60	39.04	223	142	170
Total	16.99	134.74			700
Chandrapur					
Unit 1	3.69	32.72	156	151	155
Unit 2	3.76	32.94	161	153	155
Unit 3	3.91	34.97	174	145	160
Unit 4	5.11	45.41	215	212	210
Unit 5	9.40	9.98	450	250	350
Unit 6	10.50	88.28	454	421	425
Unit 7	10.36	78.38	468	412	430
Total	46.73	322.68			1885
Paras					
Unit 3	6.04	51.01	262	220	250
Unit 4	4.70	48.85	254	0	250
Total	10.74	99.86			500
Khaparkheda					
Unit 1	0.00	0.00	0	0	0
Unit 2	4.38	39.55	195	145	190
Unit 3	2.19	36.88	217	0	0
Unit 4	5.22	46.62	222	210	210
Unit 5	4.73	6.15	478	0	0
Total	16.52	129.20			400
Nasik					
Unit 3	5.08	44.52	220	180	210
Unit 4	4.88	44.31	212	178	210
Unit 5	1.32	34.40	194	0	190
Total	11.28	123.23			610
Uran					
All Units	15.69	136.46	673	614	630
Total	15.69	136.46			630
PENCH (MS)					
Pench (MS)	0.50	3.83	53	0	0
Total	0.50	3.83			0
Koyna					
Stage 1-2	1.38	20.32	210	35	530
Stage 4	0.10	7.51	105	0	250
Stage 3	0.12	6.53	66	0	320
Total	1.61	34.36			1100
Kovna 12&4 Total	1.49	27.84			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.47	4.67	20	19	36
VTRNA	0.96	8.61	61	0	60
TILLARI	0.40	3.67	60	0	60
BHTGR/VEER	0.49	4.20	21	20	15
BHIRA T.R.	0.10	1.25	40	0	80
RNGR+BHTSA	0.37	3.35	16	15	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	1.53	0	0	0
SMLHY PTN	1.13	9.72	55	44	17
GHATGHAR	1.95	16.70	250	0	0
Total	5.88	53.70			283
Wind					
MalharPeth	0.09	1.21			
Vankuswadi	0.18	1.66			
ATIT	0.01	0.37			
Kale	0.05	0.56			
Satara	0.64	3.67			
Shirala	0.06	0.55			
K Mahankal	0.02	0.66			
Supa	0.15	0.85			
Vita	0.80	2.60			
Dondaicha	0.56	6.93			
Sakri	0.05	1.08			
Nandurbar	0.05	0.69			
Khandke	0.30	1.14			
Khaparale	0.11	1.10			
Total	3.07	23.07			
CPP					
JSW JAIGAD	21.80	197.20	1128	628	825
WARDHA	7.97	67.24	373	260	365
Other CPPs	6.50	57.99			
Total	36.27	322.43			1190
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	7.47	87.99	355	230	500
Trombay 6	6.85	49.82	478	154	500
Trombay 7A	3.10	27.39	133	124	120
Trombay 7B	1.66	14.92	70	68	60
Trombay 8	5.30	49.20	251	172	250
TATA Hydro	2.71	23.63	267	0	447
Total	27.10	252.94			1877
REL					
1&2	11.97	111.71	530	388	500
Total	11.97	111.71			500
Cent Sect					
Share					4972
Total					4972

MS PG CL	Thermal	120.34	956.26			4805
	Thml+Gas	136.04	1092.72			5435
	Hydro	7.49	88.06			1383
	Total	143.52	1180.78			6818
State Total		222.43	1894.77			15357

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 09/Jan/2012

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	4682	146	666	5494	75	1163	4683	4766	-389	-78	11420	2006	11532	1246	14672	50.13
2	4420	141	667	5228	96	1151	4708	4614	-440	25	11114	1923	11170	1145	14182	50.16
3	4415	146	669	5230	134	1144	4707	4533	-440	98	11139	1618	11195	1086	13843	50.30
4	4408	146	671	5225	175	1145	4707	4544	-440	131	11220	1790	11276	1067	14077	50.24
5	4553	146	672	5371	189	1167	4662	4646	-386	124	11497	1812	11553	1082	14391	50.05
6	4829	141	673	5643	194	1362	4478	4693	12	133	12032	2103	12271	1207	15342	49.94
7	5027	172	669	5868	216	1493	4506	4544	-84	-52	12094	3104	13123	1413	16611	49.78
8	4967	288	666	5921	198	1534	4721	5069	-147	-194	12555	3487	13653	1587	17629	49.70
9	4938	529	670	6137	142	1572	4784	5169	-227	-297	12733	3611	13918	1800	18144	49.66
10	4925	863	672	6460	118	1552	4819	4859	-274	-330	12696	3968	14289	2068	18732	49.62
11	4978	571	661	6210	61	1553	5315	5159	-280	-333	12703	4126	14462	2241	19070	49.72
12	5014	553	636	6203	26	1593	5345	5261	-311	-268	12867	4065	14576	2248	19180	49.78
13	5114	395	634	6143	25	1674	5335	5217	-301	-213	12897	4123	14665	2216	19236	49.74
14	5168	320	620	6108	23	1751	5295	5288	-258	-213	13008	3840	14543	2092	18940	49.88
15	5218	403	614	6235	27	1763	5285	5092	-242	-183	12947	3433	14243	2120	18500	49.78
16	5177	394	631	6202	32	1769	5302	5176	-258	-174	13008	3300	14291	2124	18432	49.86
17	5136	414	627	6177	42	1764	4565	4384	-242	-148	12219	3410	13172	2121	17750	49.71
18	5284	224	636	6144	93	1775	4561	3876	-242	-164	11734	3577	12358	2106	17417	49.74
19	5409	269	634	6312	169	1760	4803	4294	-365	-264	12313	4206	12832	2212	18731	49.80
20	5533	313	649	6495	186	1746	4974	4296	-381	-260	12516	3995	12793	2231	18742	49.85
21	5465	292	654	6411	239	1589	4973	4319	-370	-289	12321	3754	12377	2110	18185	49.82
22	5338	217	661	6216	179	1453	4875	3917	-339	-284	11493	3601	11549	1896	16990	49.95
23	5254	200	668	6122	198	1413	4750	4218	-291	-233	11719	56	11775	1700	13475	49.86
24	5093	205	670	5968	230	1385	4601	4226	-301	-78	11731	56	11787	1494	13281	50.07
MUs	120.34	7.49	15.69	143.52	3.07	36.27	116.75	112.16	-7.00	-3.54	291.98	70.96	309.40	42.61	405.55	49.88

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/Jan/2012

Position as on 6.30 Hrs of 10/Jan/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 3	210	12/11/2011	21.25		Continued.	Annual Overhaul.	22/01/2012
Cent_Sect NTPC(K-1)	210	20/12/2011	13.44		Continued.	Annual Overhaul.	14/01/2012
Cent_Sect NTPC (K-2)	210	20/12/2011	13.45		Continued.	Annual Overhaul.	14/01/2012
Khaparkheda Unit 1	210	31/12/2011	02.37		Continued.	Annual Overhaul	10/02/2012
Koyna ST - IV 3	250	07/01/2012	15.45		Continued.	Spherical Oil Tank Level Increased.	22/01/2012
FORCED OUTAGE							
Bhusawal Unit 4	500	17/10/2011	03.55		Continued.	Hand Tripped	29/02/2012
CPP WPCL U-4	135	02/11/2011	04.40		Continued.	ID Fan Problem, Preparation for P.G. Test.	31/01/2012
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	
Cent_Sect NTPC(K-3)	210	28/12/2011	14.00		Continued.	CW Pump Problem	
CPP JSW (J) U1	300	05/01/2012	22.10	09/01/2012	10.27	Bottom Ash Problem	
Khaparkheda Unit 5	500	08/01/2012	23.18	09/01/2012	04.20	Tripped on electrical Prot'n operated.	
Koradi Unit 5	200	08/01/2012	23.27	09/01/2012	01.28	Tripped on vacuum problem.	
Khaparkheda Unit 3	210	09/01/2012	00.12	09/01/2012	10.03	High Voltage C.B.Failed.	
Paras Unit 4	250	09/01/2012	01.08	09/01/2012	04.48	Drum level high.	
Koradi Unit 5	200	09/01/2012	01.48	09/01/2012	11.42	DTS system problem.	
Koyna Unit 5	80	09/01/2012	07.05	09/01/2012	18.20	R.M.Work.	
Nasik Unit 5	210	09/01/2012	07.30		Continued.	Furnace pressure high.	
Cent_Sect NTPC(K-6)	500	09/01/2012	22.33	09/01/2012	12.00	Buchholz relay operated.	

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

Position as on 6.30 Hrs of 10/Jan/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Main Bus-I at Deoli (PGCIL)	09/01/2012	10.35	09/01/2012	21.45	Connecting 400KV Tiroda bay.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali-Tarapur	29/12/2011	07:54		Continued.	Work of Conversion from D/C to M/C (60 Days Outage). Temprrory reconfigured as Tarapur-Boisar ckt-II
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Parli (PGCIL)-Bhadravati-II	09/12/2011	16.41		Continued.	Over Voltage.
Parli (PG) - Wardha (PG) - II	29/12/2011	18.21		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	03/01/2012	22.41	09/01/2012	14.47	Over Voltage.
Wardha - Akola - II	06/01/2012	20.30		Continued.	Over Voltage.
Kolhapur - Mapusa - I	07/01/2012	21.35		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	09/01/2012	21.25		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
400 KV TBC- I @ Chandrapur	09/01/2012	10.26	09/01/2012	12.25	R.M.Work
Karad - Kolhapur - I	09/01/2012	11.22	09/01/2012	18.20	Attended hot spot and replacement of relay.
Karad-Jaigad II	09/01/2012	13.34		Continued.	R ph.PT oil leakage.Ready for Charging.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
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 16.01.2012.
220/6.6kv Stn. T/F NO.IV @ KORADI	28/12/2011	10.41		Continued.	Commissioning of SCADA Scheme
220/132 KV 150 MVA ICT @ Bhandara	28/12/2011	13.57		Continued.	Replacement of ICT by 200MVA (Up to 29/2/12)
Boiser - Borivali	29/12/2011	08.40		Continued.	Work of Conversion from D/C to M/C (60 Days Outage). Temporary reconfigured as Tarapur-Boisar ckt-II
Bhusawal - Chalisgaon - II	09/01/2012	08.59		Continued.	Replacement of line isolator.
Pophali - Kandalgaon	09/01/2012	09.10	09/01/2012	21.58	Fixing E/W and replaement of string.
Karad-Wathar	09/01/2012	10.00	09/01/2012	18.58	Replacement of insulator.
Mudshingi - Peth	09/01/2012	10.03	09/01/2012	13.24	Annual maintenance work.
Badnera-Akola-II	09/01/2012	10.10	09/01/2012	16.40	Attending compressor problem.
Lote - Dasturi	09/01/2012	11.00	09/01/2012	19.27	Fixing E/W and replacement of string.
220/132KV 200MVA ICT-I @ Raymond	09/01/2012	12.25	09/01/2012	14.47	Attending B ph.C.T.oil leakage .
Main Bus - I @ Ghodbunder	09/01/2012	13.54	09/01/2012	14.49	LILO project work.
220/110KV 200MVA ICT-	09/01/2012	14.34	09/01/2012	15.30	Attending CT oil leakage.

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

Position as on 6.30 Hrs of 10/Jan/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
III at Borivali					
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Eldari-Risod.	09/01/2012	09.25	09/01/2012	12.15	Breaker maintenance work.
Dondaicha-Nandurbar Ckt.	09/01/2012	10.08	09/01/2012	12.43	Ckt.breaker timing and CRM of ckt.breaker.
Girwali - Kej	09/01/2012	16.23	09/01/2012	16.58	R Ph. CT oil leakage.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Chinchwad - Talegaon	25/11/2011	11.29		Continued.	Line Strengthening.
Kandalgaon-Roha-I	09/01/2012	08.57	09/01/2012	17.31	Replacement of old damaged conductor.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
50 MVAR Reactor on 400 KV Bhusawal - II	16/12/2011	12.02		Continued.	To Attend Oil Leakage.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV,500MVA ICT-II at Khaparkheda.	20/11/2011	08.02		Continued.	Due to low nitrogen pressure fire alarm received.
400/220KV 500MVA ICT-III at Dhule	07/01/2012	20.04		Continued.	Due to MCCB of Diff. Relay Burnt.
Karad - Kolhapur - I	08/01/2012	16.21		Continued.	Over Voltage.
Bhusawal- Aurangabad	08/01/2012	17.20	09/01/2012	07.20	Over Voltage.
Bhusawal- Aurangabad	09/01/2012	17.58		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur - Warora	24/12/2011	17.58		Continued.	To control Wardha-Warora,Hinganghat -Warora.L/L.
Bale-Usmanabad	31/12/2011	11.52		Continued.	To control Lamboti-Bale line.
Voltage Level : 400KV			Outage Type TRIPPED		
Main Ckt Breaker of Dhule -SSP-I at Dhule	30/11/2011	17.00	09/01/2012	14:47	B Phase Main C.B.Burst atDhule(Charged through
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/Jan/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	135
Unit 6	210	145
Unit 7	210	180
	620	460
Bhusawal		
Unit 2	210	180
Unit 3	210	180
Unit 4	500	
	920	360
Parli		
Unit 3	210	0
Unit 4	210	195
Unit 5	210	145
Unit 6	250	165
Unit 7	250	195
	1130	700
Chandrapur		
Unit 1	210	160
Unit 2	210	150
Unit 3	210	165
Unit 4	210	210
Unit 5	500	450
Unit 6	500	440
Unit 7	500	450
	2340	2025
Paras		
Unit 3	250	250
Unit 4	250	220
	500	470
Khaparkheda		
Unit 1	210	0
Unit 2	210	170
Unit 3	210	195
Unit 4	210	190
Unit 5	500	
	1340	555
Nasik		
Unit 3	210	192
Unit 4	210	192
Unit 5	210	0
	630	384
Uran		
All Units	852	640
	852	640
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	320
	1920	1100
Hydro		
KDPH	40	36
VTRNA	60	60
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	20
BHIRA T.R.	80	80
RNGR+BHTSA	20	16
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	11
GHATGHAR	250	0
	611	283
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	365
Other CPPs	0	
	1005	1465
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	5018
	3455	5018

	17900	7 of 7	15837
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