



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

State Load Dispatch Center, Airoli

Daily system Report

for

10/Jan/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 10/Jan/2012 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	125.193	1081.455	1) Gujrat	4.101	35.734
2) Hydro	7.008	95.071	2) Madhya Pradesh	19.040	226.250
3) Gas	15.576	152.035	3) Chattisgarh	11.340	129.560
Total MSGENCO	147.777	1328.561	4) Maharashtra	44.447	509.665
B) OTHERS			5) Goa	-5.354	-56.869
1) JSW JAIGAD	26.379	223.576	6) TAPS 1&2 Injection	7.797	78.075
2) WPCL	7.955	75.196	7) RGPPL Injection	24.662	252.864
3) Other CPP / IPP	6.498	64.492	8) Pench (Excess)	0.047	-3.374
4) Wind Generation	4.420	27.494	# Total Cent. Sector	106.080	1171.905
5) PENCH (MS)	0.460	4.286	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-2.854	-26.808
1) TPCL Thermal	26.230	255.541	G) Bilateral Power *		
2) TPCL Hydro	3.065	26.698	1) MSEDCL Bilateral	42.940	424.294
TOTAL TPCL	29.295	282.239	Include PX	3.620	39.457
3) REL Thermal	11.983	123.690	2) MUMBAI Bilateral	9.053	68.244
D) STATE			Include PX	-1.631	-39.363
1) Thermal (A1+C1+C3)	163.406	1460.686	3) MUMBAI Schedule	9.053	68.244
2) Hydro (A2+B5+C2)	10.533	126.055	H) ENERGY CATERED (MUs)		
3) Gas (A3)	15.576	152.035	1) MSEDCL	296.715	2868.702
4) Wind (B4)	4.420	27.494	2) TPCL	30.087	290.672
5) CPP (B1+B2+B3)	40.832	363.264	3) REL	14.041	142.048
TOTAL STATE	234.767	2129.534	TOTAL STATE	340.843	3301.422

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5312	5397	4801
MSGENCO Hydro	557	337	154
MSGENCO Gas	632	648	674
MSGENCO Total Generation	6501	6382	5629
Central Sector Receipt	4965	4691	4050
WIND	73	189	277
CPP / IPP	1852	1870	1426
Exchange with Mumbai	-167	-223	89
MSEDCL DEMAND MET	13271	12959	11471
Load Shedding (LS)	1161	0	61
MSEDCL DEMAND (INCL. LS)	14432	12959	11532
TPCL GENERATION	1595	1541	817
REL GENERATION	528	529	388
TPCL+REL DEMAND	2290	2293	1116
STATE DEMAND MET	15561	15252	12587
Load Management (LM)	2291	3648	0
Total Load Relief (LS+LM)	3452	3648	61
UNRESTRICTED STATE DEMAND	19013	18900	12648
Frequency (Hz)	49.77	49.88	50.05

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.41 Hz at 05:01 Hrs	49.23 Hz at 07:27 Hrs	49.86	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 10/Jan/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						Hydro						
Unit 5	2.84	22.47	150	55	135	KDPH	0.78	5.45	39	19	36	
Unit 6	3.36	30.62	158	116	145	VTRNA	0.98	9.59	61	0	60	
Unit 7	4.03	39.22	190	135	180	TILLARI	0.46	4.13	60	0	60	
Total	10.24	92.31			460	BHTGR/VEER	0.49	4.69	21	20	20	
Bhusawal						BHIRA T.R.	0.12	1.37	49	0	80	
Unit 2	4.49	30.66	195	160	180	RNGR+BHTSA	0.36	3.71	16	14	16	
Unit 3	4.38	42.69	195	155	180	BHANDARDRA	0.00	0.00	0	0	0	
Unit 4	0.00	0.00	0	0	0	ELDARY	0.00	1.53	0	0	0	
Total	8.87	73.35			360	SMLHY_PTN	1.12	10.84	55	43	11	
Parli						GHATGHAR	1.54	18.23	250	0	0	
Unit 3	0.00	0.00	0	0	0	Total	5.84	59.54			283	
Unit 4	4.36	42.75	200	163	195	Wind						
Unit 5	3.31	18.91	155	120	145	MalharPeth	0.14	1.35				
Unit 6	4.04	45.74	203	125	165	Vankuswadi	0.31	1.97				
Unit 7	4.50	43.53	228	157	195	ATIT	0.03	0.40				
Total	16.20	150.94			700	Kale	0.15	0.71				
Chandrapur						Satara	1.06	4.73				
Unit 1	3.72	36.44	162	147	160	Shirala	0.14	0.70				
Unit 2	3.85	36.79	171	150	150	K Mahankal	0.02	0.68				
Unit 3	3.92	38.89	175	154	165	Supa	0.10	0.96				
Unit 4	5.00	50.41	215	190	210	Vita	1.08	3.68				
Unit 5	10.54	20.52	475	360	450	Dondaicha	0.77	7.70				
Unit 6	10.57	98.84	465	395	440	Sakri	0.10	1.18				
Unit 7	10.84	89.23	470	400	450	Nandurbar	0.08	0.78				
Total	48.43	371.11			2025	Khandke	0.31	1.45				
Paras						Khaparale	0.11	1.21				
Unit 3	6.02	57.03	256	245	250	Total	4.42	27.49				
Unit 4	5.61	54.46	256	183	220	CPP						
Total	11.63	111.49			470	JSW JAIGAD	26.38	223.58	1220	875	1100	
Khaparkheda						WARDHA	7.96	75.20	370	259	365	
Unit 1	0.00	0.00	0	0	0	Other CPPs	6.50	64.49				
Unit 2	4.53	44.08	197	170	170	Total	40.83	363.26			1465	
Unit 3	5.04	41.92	220	186	195	Tata						
Unit 4	5.08	51.70	224	185	190	Trombay 4	0.00	0.00	0	0	0	
Unit 5	5.38	11.53	254	178	0	Trombay 5	9.26	97.25	491	167	500	
Total	20.03	149.23			555	Trombay 6	6.81	56.63	413	155	500	
Nasik						Trombay 7A	3.05	30.44	133	104	120	
Unit 3	5.04	49.56	220	180	192	Trombay 7B	1.65	16.57	70	63	60	
Unit 4	4.75	49.06	210	175	192	Trombay 8	5.46	54.66	250	170	250	
Unit 5	0.00	34.40	0	0	0	TATA Hydro	3.06	26.70	309	0	447	
Total	9.79	133.02			384	Total	29.30	282.24			1877	
Uran						REL						
All Units	15.58	152.04	674	606	640	1&2	11.98	123.69	529	388	500	
Total	15.58	152.04			640	Total	11.98	123.69			500	
PENCH (MS)						Cent Sect						
Pench (MS)	0.46	4.29	50	0	0	Share					5018	
Total	0.46	4.29			0	Total					5018	
Koyna												
Stage 1-2	1.06	21.38	60	40	530							
Stage 4	0.10	7.62	105	0	250							
Stage 3	0.00	6.53	0	0	320							
Total	1.16	35.53			1100							
Koyna 12&4 Total	1.16	29.00			780							
							MS	Thermal	125.19	1081.46		4954
							PG	Thml+Gas	140.77	1233.49		5594
							CL	Hydro	7.01	95.07		1383
								Total	147.78	1328.56		6977
							State Total		234.77	2129.53		15837

State Load Dispatch Center, Airoli (MSETCL)

Hourly Load Data As on 10/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	4942	139	673	5754	270	1410	4488	4264	-389	-92	11606	57	11663	1300	12963	49.99
2	4815	139	673	5627	282	1383	4512	4121	-389	20	11433	61	11494	1185	12679	49.96
3	4744	139	672	5555	258	1397	4512	4233	-389	65	11508	61	11569	1143	12712	49.99
4	4801	154	674	5629	277	1426	4512	4050	-424	89	11471	61	11532	1116	12648	50.05
5	4885	139	671	5695	273	1451	4512	4119	-424	72	11610	61	11671	1136	12807	50.04
6	5235	139	665	6039	334	1693	4399	4327	-446	89	12492	317	12553	1272	14081	50.05
7	5348	149	669	6166	325	1790	4501	4449	-521	-31	12709	2239	12932	1485	16433	49.79
8	5356	152	669	6177	278	1828	4771	4722	-446	-157	12875	3263	13743	1662	17800	49.71
9	5290	264	663	6217	233	1824	4680	4735	-451	-149	12870	3486	13943	1877	18233	49.73
10	5284	629	650	6563	114	1829	4730	4867	-456	-125	13295	3368	14352	2128	18791	49.60
11	5290	565	640	6495	91	1820	5105	4747	-332	-161	13042	3463	14201	2278	18783	49.81
12	5312	557	632	6501	73	1852	5173	4965	-397	-167	13271	3452	14432	2290	19013	49.77
13	5280	510	606	6396	56	1852	5192	4969	-376	-165	13108	3355	14170	2278	18741	49.81
14	5267	478	606	6351	25	1854	5214	4879	-331	-155	12954	3055	13762	2176	18185	49.83
15	5261	459	616	6336	22	1812	5256	5105	-325	-166	13109	2733	13745	2174	18016	49.74
16	5246	300	618	6164	40	1862	5275	5204	-336	-157	13113	2580	13719	2194	17887	49.76
17	5269	218	625	6112	35	1823	4678	4540	-315	-160	12363	2932	12915	2206	17501	49.84
18	5277	253	645	6175	52	1861	4594	4101	-286	-135	12079	2869	12079	2195	17143	49.80
19	5338	319	640	6297	154	1867	4772	4638	-360	-148	12858	3622	12858	2275	18755	49.77
20	5397	337	648	6382	189	1870	4917	4691	-390	-223	12959	3648	12959	2293	18900	49.88
21	5423	292	653	6368	243	1669	4897	4219	-380	-267	12281	3638	12281	2178	18097	49.87
22	5417	242	653	6312	235	1659	4735	3601	-344	-268	11575	3628	11575	1993	17196	49.94
23	5397	218	657	6272	262	1559	4514	3255	-278	-211	11163	3343	11163	1781	16287	49.99
24	5319	217	658	6194	299	1441	4296	3279	-268	-252	10971	2897	10971	1517	15385	49.95
MUs	125.19	7.01	15.58	147.78	4.42	40.83	114.24	106.08	-9.05	-2.85	296.72	58.19	306.28	44.13	399.04	49.86

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 10/Jan/2012

Position as on 6.30 Hrs of 11/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
Tata Trombay 5	500	11/01/2012	00.19		Continued.	Annual overhaul.	14/02/2012
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	
Nasik Unit 5	210	09/01/2012	07.30		Continued.	Furnace pressure high.	
Koradi Unit 5	200	11/01/2012	00.12		Continued.	W/Dn,by Mahagenco.	
Koradi Unit 6	210	11/01/2012	00.20		Continued.	W/Dn,by Mahagenco.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 10/Jan/2012

Position as on 6.30 Hrs of 11/Jan/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	29/12/2011	07:54		Continued.	Work of Conversion from D/C to M/C (60 Days Outage). Tempromy 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.
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.
Kolhapur - Mapusa - II	10/01/2012	16.31		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
Karad-Jaigad II	09/01/2012	13.34	10/01/2012	11.08	R ph.PT oil leakage.Ready for Charging.
400/220 KV 315 MVA ICT - II @ Koradi.	10/01/2012	08.49	10/01/2012	20.19	LV side CT replacement work.
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.
Karad - Ogalewadi - II	10/01/2012	09.30	10/01/2012	18.47	Replacement of broken insulator string.
Dondaicha - Jamde - II.	10/01/2012	09.51	10/01/2012	14.45	Replacement of Y-Ph CT.
Bale - Tuljapur	10/01/2012	09.52	10/01/2012	13.51	Q.M.Work
Bus section II at Ogalewadi	10/01/2012	09.55	10/01/2012	16.50	Q.M.Work
Main Bus @ Miraj	10/01/2012	09.56	10/01/2012	16.50	Q.M.Work
Karad-Wathar	10/01/2012	10.05	10/01/2012	17.52	Replacement of insulator.
Parly - Harangul - I	10/01/2012	10.13	10/01/2012	13.20	Q.M.Work.
Bale-Osmanbad	10/01/2012	14.15	10/01/2012	17.11	Q.M.Work
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Chinchwad - Talegaon	25/11/2011	11.29		Continued.	Line Strengthening.
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.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 10/Jan/2012

Position as on 6.30 Hrs of 11/Jan/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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	10/01/2012	10.47	Over Voltage.
Bhusawal- Aurangabad	09/01/2012	17.58	10/01/2012	06.35	Over Voltage.
Karad - Kolhapur - II	10/01/2012	16.33		Continued.	Over Voltage.
Bhusawal- Aurangabad	10/01/2012	16.51		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.
Abhijeet-Wardha-I	10/01/2012	07.58		Continued.	Koradi ICT II Outage and to control load of Koradi ICT-I.
Abhijeet - Wardha ckt - II	10/01/2012	07.58		Continued.	Koradi ICT II Outage and to control load of Koradi ICT-I.
Voltage Level : 500KV					Outage Type TRIPPED
HVDC Pole-I	10/01/2012	21.30	10/01/2012	22.38	For checking of testing parameters at Padghe end,(Opportunity outage)Ready for charging.
Voltage Level : 400KV					Outage Type TRIPPED
Karad - Newkoyana - I	10/01/2012	08.49	10/01/2012	08.53	Mal operation.
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 11/Jan/2012

Generating unit	Derated Capacity (MW)	OLC (MW)	Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi			BHTGR/VEER	21	21
Unit 5	200	0	BHIRA T.R.	80	50
Unit 6	210	0	RNGR+BHTSA	20	15
Unit 7	210	180	BHANDARDRA	45	0
	620	180	ELDARY	23	0
Bhusawal			SMLHY_PTN	12	11
Unit 2	210	180	GHATGHAR	250	0
Unit 3	210	180		611	253
Unit 4	500		Wind		
	920	360	MalharPeth	0	
Parli			Vankuswadi	0	
Unit 3	210	0	ATIT	0	
Unit 4	210	165	Kale	0	
Unit 5	210	140	Satara	0	
Unit 6	250	180	Shirala	0	
Unit 7	250	185	K Mahankal	0	
	1130	670	Supa	0	
Chandrapur			Vita	0	
Unit 1	210	160	Dondaicha	0	
Unit 2	210	160	Sakri	0	
Unit 3	210	160	Nandurbar	0	
Unit 4	210	210	Khandke	0	
Unit 5	500	450	Khaparale	0	
Unit 6	500	450		0	
Unit 7	500	475	CPP		
	2340	2065	JSW_JAIGAD	600	1100
Paras			WARDHA	405	365
Unit 3	250	250	Other_CPPs	0	
Unit 4	250	250		1005	1465
	500	500	Tata		
Khaparkheda			Trombay 4	150	0
Unit 1	210	0	Trombay 5	500	0
Unit 2	210	190	Trombay 6	500	500
Unit 3	210	210	Trombay 7A	120	120
Unit 4	210	210	Trombay 7B	60	60
Unit 5	500		Trombay 8	250	250
	1340	610	TATA Hydro	444	447
Nasik				2024	1377
Unit 3	210	210	REL		
Unit 4	210	210	1&2	500	500
Unit 5	210	0		500	500
	630	420	Cent Sect		
Uran			Share	3455	4754
All Units	852	630		3455	4754
	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	36			
VTRNA	60	60			
TILLARI	60	60			