



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

State Load Dispatch Center, Airoli

Daily system Report

for

11/Jan/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 11/Jan/2012 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	122.322	1203.777	1) Gujrat	3.289	39.023
2) Hydro	7.754	102.825	2) Madhya Pradesh	18.228	244.478
3) Gas	15.497	167.532	3) Chattisgarh	11.700	141.260
Total MSGENCO	145.573	1474.134	4) Maharashtra	40.901	550.566
B) OTHERS			5) Goa	-5.527	-62.396
1) JSW JAIGAD	23.558	247.134	6) TAPS 1&2 Injection	7.789	85.864
2) WPCL	7.966	83.162	7) RGPPL Injection	24.822	277.686
3) Other CPP / IPP	6.707	71.199	8) Pench (Excess)	-0.159	-3.533
4) Wind Generation	6.412	33.906	# Total Cent. Sector	101.043	1272.948
5) PENCH (MS)	0.586	4.872	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-7.380	-34.188
1) TPCL Thermal	19.662	275.203	G) Bilateral Power *		
2) TPCL Hydro	5.062	31.760	1) MSEDCL Bilateral	35.993	460.287
TOTAL TPCL	24.724	306.963	Include PX	3.501	42.958
3) REL Thermal	11.986	135.676	2) MUMBAI Bilateral	10.271	78.514
D) STATE			Include PX	-1.480	-40.843
1) Thermal (A1+C1+C3)	153.970	1614.656	3) MUMBAI Schedule	10.271	78.514
2) Hydro (A2+B5+C2)	13.402	139.457	H) ENERGY CATERED (MUs)		
3) Gas (A3)	15.497	167.532	1) MSEDCL	284.465	3153.167
4) Wind (B4)	6.412	33.906	2) TPCL	29.906	320.578
5) CPP (B1+B2+B3)	38.231	401.495	3) REL	14.183	156.231
TOTAL STATE	227.512	2357.046	TOTAL STATE	328.554	3629.976

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	5161	5229	4910
MSGENCO Hydro	442	465	157
MSGENCO Gas	608	646	672
MSGENCO Total Generation	6211	6340	5739
Central Sector Receipt	4872	4728	3500
WIND	202	161	408
CPP / IPP	1666	1714	1266
Exchange with Mumbai	-479	-392	-225
MSEDCL DEMAND MET	12524	12604	10688
Load Shedding (LS)	1886	0	0
MSEDCL DEMAND (INCL. LS)	14410	12604	10688
TPCL GENERATION	1274	1353	526
REL GENERATION	529	527	386
TPCL+REL DEMAND	2282	2272	1137
STATE DEMAND MET	14806	14876	11825
Load Management (LM)	2432	3764	1569
Total Load Relief (LS+LM)	4318	3764	1569
UNRESTRICTED STATE DEMAND	19124	18640	13394
Frequency (Hz)	49.68	49.75	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.28 Hz at 23.31 Hrs	49.24 Hz at 09.08 Hrs	49.8	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 11/Jan/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.02	22.49	19	0	0
Unit 6	0.03	30.65	31	0	0
Unit 7	4.52	43.74	205	160	180
Total	4.57	96.87			180
Bhusawal					
Unit 2	4.48	35.14	195	175	180
Unit 3	4.48	47.16	195	165	180
Unit 4		0.00	0	0	
Total	8.96	82.30			360
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.18	46.94	186	160	165
Unit 5	3.45	22.36	158	123	140
Unit 6	4.96	50.71	250	172	180
Unit 7	4.92	48.45	243	174	185
Total	17.51	168.46			670
Chandrapur					
Unit 1	3.74	40.18	160	142	160
Unit 2	3.95	40.74	176	156	160
Unit 3	3.83	42.72	165	145	160
Unit 4	5.10	55.50	215	210	210
Unit 5	10.94	31.46	475	420	450
Unit 6	10.56	109.40	472	415	450
Unit 7	10.84	100.07	467	405	475
Total	48.95	420.07			2065
Paras					
Unit 3	4.20	61.23	256	0	250
Unit 4	5.23	59.69	250	166	250
Total	9.43	120.92			500
Khaparkheda					
Unit 1	0.00	0.00	0	0	0
Unit 2	4.59	48.67	194	184	190
Unit 3	5.27	47.19	223	210	210
Unit 4	5.24	56.94	224	206	210
Unit 5	7.98	19.52	492	205	
Total	23.08	172.31			610
Nasik					
Unit 3	5.00	54.56	220	180	210
Unit 4	4.83	53.89	212	180	210
Unit 5	0.00	34.40	0	0	0
Total	9.83	142.85			420
Uran					
All Units	15.50	167.53	672	608	630
Total	15.50	167.53			630
PENCH (MS)					
Pench (MS)	0.59	4.87	53	0	
Total	0.59	4.87			
Koyna					
Stage 1-2	1.30	22.68	135	35	600
Stage 4	0.00	7.62	0	0	250
Stage 3	0.48	7.01	158	0	320
Total	1.78	37.31			1170
Kovna 12&4 Total	1.30	30.30			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.93	6.38	39	38	36
VTRNA	0.91	10.50	61	0	60
TILLARI	0.43	4.56	60	0	60
BHTGR/VEER	0.48	5.17	20	20	21
BHIRA T.R.	0.16	1.53	45	0	50
RNGR+BHTSA	0.36	4.07	15	15	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	1.53	0	0	0
SMLHY PTN	1.13	11.97	54	43	11
GHATGHAR	1.58	19.81	149	0	0
Total	5.97	65.51			253
Wind					
MalharPeth	0.21	1.56			
Vankuswadi	0.48	2.45			
ATIT	0.06	0.46			
Kale	0.19	0.90			
Satara	1.54	6.27			
Shirala	0.25	0.94			
K Mahankal	0.04	0.72			
Supa	0.15	1.11			
Vita	1.52	5.19			
Dondaicha	1.01	8.71			
Sakri	0.13	1.31			
Nandurbar	0.08	0.86			
Khandke	0.48	1.93			
Khaparale	0.27	1.48			
Total	6.41	33.91			
CPP					
JSW JAIGAD	23.56	247.13	1110	758	1100
WARDHA	7.97	83.16	373	259	365
Other CPPs	6.71	71.20			
Total	38.23	401.50			1465
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.04	97.29	36	0	0
Trombay 6	9.51	66.14	502	154	500
Trombay 7A	2.91	33.34	131	90	120
Trombay 7B	1.62	18.18	70	59	60
Trombay 8	5.59	60.25	250	173	250
TATA Hydro	5.06	31.76	412	0	447
Total	24.72	306.96			1377
REL					
1&2	11.99	135.68	529	386	500
Total	11.99	135.68			500
Cent Sect					
Share					4754
Total					4754

MS PG CL	Thermal	122.32	1203.78			4805
	Thml+Gas	137.82	1371.31			5435
	Hydro	7.75	102.82			1423
	Total	145.57	1474.13			6858
State Total		227.51	2357.05			14954

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 11/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	5056	186	671	5913	405	1289	4072	3592	-426	-360	10839	1889	10839	1329	14057	49.84
2	4945	162	672	5779	420	1285	4072	3515	-426	-293	10706	1864	10706	1209	13779	49.98
3	4910	157	672	5739	408	1266	4070	3500	-405	-225	10688	1569	10688	1137	13394	49.98
4	4891	157	669	5717	519	1285	4107	3385	-426	-187	10719	1771	10719	1101	13591	49.94
5	4925	157	669	5751	499	1377	4108	3398	-426	-196	10829	1847	10829	1118	13794	49.89
6	5015	158	672	5845	519	1552	4095	3748	-74	-67	11624	1867	11624	1254	14745	49.81
7	5100	267	670	6037	509	1708	4116	3927	-74	-90	12118	2598	12515	1472	16188	49.67
8	5178	366	669	6213	414	1754	4379	4401	-138	-154	12653	3520	13635	1669	17842	49.72
9	4990	475	645	6110	300	1758	4440	4523	-207	-192	12524	3820	13813	1900	18244	49.70
10	5041	614	628	6283	279	1771	4670	4636	-421	-321	12673	4047	14270	2139	18859	49.59
11	5127	472	620	6219	217	1765	5039	4579	-593	-419	12408	4403	14346	2254	19065	49.68
12	5161	442	608	6211	202	1666	5096	4872	-658	-479	12524	4318	14410	2282	19124	49.68
13	5065	363	614	6042	140	1642	5080	5077	-636	-489	12464	4312	14345	2274	19050	49.62
14	5099	393	610	6102	68	1672	5052	5315	-559	-411	12771	4073	14463	2170	19014	49.83
15	5204	344	648	6196	33	1758	5026	5171	-548	-438	12745	3764	14332	2198	18707	49.87
16	5211	338	630	6179	24	1770	5036	5098	-559	-445	12649	3843	14429	2191	18683	49.86
17	5197	343	617	6157	35	1757	4561	4198	-564	-452	11695	4255	13458	2202	18152	49.81
18	5365	383	630	6378	51	1752	4517	3762	-521	-416	11552	3651	12219	2198	17401	49.83
19	5341	446	630	6417	126	1760	4669	4540	-557	-415	12476	3737	12479	2270	18483	49.71
20	5229	465	646	6340	161	1714	4820	4728	-589	-392	12604	3764	12604	2272	18640	49.75
21	5250	388	650	6288	197	1591	4563	4396	-485	-368	12156	3744	12156	2169	18069	49.73
22	5091	233	653	5977	243	1496	4138	3691	-356	-225	11232	3723	11232	1984	16939	49.85
23	5002	222	651	5875	292	1447	3987	3535	-313	-191	10963	3397	10963	1767	16127	49.88
24	4929	222	653	5804	355	1396	3905	3456	-308	-155	10856	2888	10856	1531	15275	50.03
MUs	122.32	7.75	15.50	145.57	6.42	38.23	107.62	101.04	-10.27	-7.38	284.47	78.66	301.93	44.09	407.22	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 11/Jan/2012

Position as on 6.30 Hrs of 12/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	12/01/2012	04.22	ID Fan Problem, Preparation for P.G. Test.	
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.	
Koyna Unit 6	75	11/01/2012	07.05	11/01/2012	21.05	R.M.Work	
Paras Unit 3	250	11/01/2012	08.10	11/01/2012	13.03	Low drum level.	
Parli Unit 6	250	12/01/2012	01.20	12/01/2012	04.22	Flame failure.	
Khaparkheda Unit 5	500	12/01/2012	06.20		Continued.	Bottom ash problem.	13/01/2012

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 11/Jan/2012

Position as on 6.30 Hrs of 12/Jan/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised 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). Temporary 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.
Dhule - S'Sarovar- II	10/01/2012	11.03	11/01/2012	06.46	Over Voltage.
Dhule-S'Sarovar I	10/01/2012	21.50		Continued.	Over Voltage.
Kolhapur - Mapusa - I	11/01/2012	16.25		Continued.	Over Voltage.
Chandrapur-Bhadravati - I	11/01/2012	16.52		Continued.	Over Voltage.
Dhule - S'Sarovar- II	11/01/2012	22.17		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
400/220 KV 315 MVA ICT - II @ Koradi.	10/01/2012	08.55	11/01/2012	23.08	Commissioning of 220KV BCU SCADA and replacement of isolator.
New Koyna-Karad-II	11/01/2012	09.11		Continued.	R.M. and CVT replacement.
400 KV Bus Coupler @ Nagothane	11/01/2012	10.03	11/01/2012	13.33	C.B. oil leakage.
Main Bus - I @ Solapur	11/01/2012	12.05	11/01/2012	18.10	Q.M.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.
Kandalgaon - Topworth	11/01/2012	09.00	11/01/2012	18.15	Replacement of old 220KV isolator.
220KV TBC Bay @ Chandrapur.	11/01/2012	09.05	11/01/2012	12.07	Measurement of Tan delta of CT.
Karad-Wathar	11/01/2012	09.45	11/01/2012	17.59	R.M.Work
Wardha-Abhijeet I	11/01/2012	10.24	11/01/2012	12.50	Commissioning of new bus bar scheme.
Wardha-Abhijeet II	11/01/2012	10.25	11/01/2012	12.52	Commissioning of new bus bar scheme.
Girwali - Parly - II	11/01/2012	10.45	11/01/2012	13.09	Attending oil leakage of breaker.
Bus-Sect.III at Nasik	11/01/2012	11.55	11/01/2012	15.20	Bay maintenance work.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 11/Jan/2012

Position as on 6.30 Hrs of 12/Jan/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
220/66KV 50 MVA ICT- I @ Wardha.	11/01/2012	14.20	11/01/2012	15.50	Bus bar commissioning work.
Babaleshwar - Babaleshwar - I	11/01/2012	22.09	12/01/2012	01.00	Y ph. CT oil leakage.
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.
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 - II	10/01/2012	16.33	11/01/2012	08.53	Over Voltage.
Bhusawal- Aurangabad	10/01/2012	16.51	11/01/2012	07.55	Over Voltage.
Bhusawal- Aurangabad	11/01/2012	16.47		Continued.	Over Voltage.
Karad - Kolhapur - I	11/01/2012	17.32		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 : 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).
Versova-Boiser	11/01/2012	14.46	11/01/2012	16.12	Distance protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Giravali-Gangakhed	11/01/2012	23.05		Continued.	Without indication.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 12/Jan/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	0
Unit 7	210	205
	620	205
Bhusawal		
Unit 2	210	190
Unit 3	210	180
Unit 4	500	0
	920	370
Parli		
Unit 3	210	0
Unit 4	210	170
Unit 5	210	150
Unit 6	250	120
Unit 7	250	175
	1130	615
Chandrapur		
Unit 1	210	150
Unit 2	210	155
Unit 3	210	160
Unit 4	210	210
Unit 5	500	450
Unit 6	500	450
Unit 7	500	460
	2340	2035
Paras		
Unit 3	250	220
Unit 4	250	180
	500	400
Khaparkheda		
Unit 1	210	0
Unit 2	210	170
Unit 3	210	195
Unit 4	210	192
Unit 5	500	0
	1340	557
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	0
	630	420
Uran		
All Units	852	620
	852	620
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

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	20
BHIRA T.R.	80	45
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	11
GHATGHAR	250	0
	611	247
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	0
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1377
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5114
	3455	5114

	17900	7 of 7	15095
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