



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

State Load Dispatch Center, Airoli

Daily system Report

for

02/Jan/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 02/Jan/2012 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	104.295	206.594	1) Gujrat	2.900	8.443
2) Hydro	9.154	16.095	2) Madhya Pradesh	23.220	44.168
3) Gas	14.929	29.561	3) Chattisgarh	13.080	25.400
Total MSGENCO	128.378	252.250	4) Maharashtra	53.448	104.622
B) OTHERS			5) Goa	-5.939	-11.297
1) JSW JAIGAD	21.873	43.370	6) TAPS 1&2 Injection	7.789	15.657
2) WPCL	6.573	13.151	7) RGPPL Injection	25.412	50.245
3) Other CPP / IPP	5.824	11.728	8) Pench (Excess)	-0.176	-0.176
4) Wind Generation	1.689	5.189	# Total Cent. Sector	119.734	237.062
5) PENCH (MS)	0.176	0.176	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-1.959	0.200
1) TPCL Thermal	26.063	50.344	G) Bilateral Power *		
2) TPCL Hydro	3.921	5.186	1) MSEDCL Bilateral	41.424	81.661
TOTAL TPCL	29.984	55.530	Include PX	3.534	7.045
3) REL Thermal	12.337	25.017	2) MUMBAI Bilateral	6.332	11.891
D) STATE			Include PX	-4.282	-9.210
1) Thermal (A1+C1+C3)	142.695	281.955	3) MUMBAI Schedule	6.332	11.891
2) Hydro (A2+B5+C2)	13.251	21.457	H) ENERGY CATERED (MUs)		
3) Gas (A3)	14.929	29.561	1) MSEDCL	282.288	563.126
4) Wind (B4)	1.689	5.189	2) TPCL	29.940	53.836
5) CPP (B1+B2+B3)	34.270	68.249	3) REL	14.349	26.517
TOTAL STATE	206.834	406.411	TOTAL STATE	326.577	643.479

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	4384	4488	4015
MSGENCO Hydro	723	445	127
MSGENCO Gas	602	638	600
MSGENCO Total Generation	5709	5571	4742
Central Sector Receipt	5311	5052	4765
WIND	94	109	25
CPP / IPP	1406	1636	1241
Exchange with Mumbai	-169	-256	97
MSEDCL DEMAND MET	12376	12132	10870
Load Shedding (LS)	1848	839	55
MSEDCL DEMAND (INCL. LS)	14224	12971	10925
TPCL GENERATION	1611	1474	820
REL GENERATION	528	529	430
TPCL+REL DEMAND	2308	2259	1153
STATE DEMAND MET	14684	14391	12023
Load Management (LM)	2075	3294	1
Total Load Relief (LS+LM)	3923	4133	56
UNRESTRICTED STATE DEMAND	18607	18524	12079
Frequency (Hz)	49.73	49.74	50.63

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.82 Hz at 04.01 Hrs	49.24 Hz at 17.24 Hrs	49.91	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 02/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	3.12	6.56	153	112	130	KDPH	0.30	0.30	19	0	0	
Unit 6	2.89	6.14	137	90	145	VTRNA	0.96	1.94	61	0	60	
Unit 7	3.96	8.40	180	140	175	TILLARI	0.41	0.82	60	0	60	
Total	9.98	21.11			450	BHTGR/VEER	0.43	0.87	18	18	20	
Bhusawal						BHIRA T.R.	0.15	0.26	56	0	80	
Unit 2	4.07	8.11	185	150	180	RNGR+BHTSA	0.39	0.78	17	16	15	
Unit 3	4.12	8.28	180	160	180	BHANDARDRA	0.00	0.00	0	0	0	
Unit 4	0.00	0.00	0	0		ELDARY	0.32	0.63	14	13	15	
Total	8.20	16.39			360	SMLHY_PTN	1.03	2.06	51	40	42	
Parli						GHATGHAR	2.24	4.13	250	0	0	
Unit 3	0.00	0.00	0	0	0	Total	6.24	11.78			292	
Unit 4	3.61	7.08	175	129	145	Wind						
Unit 5	2.88	5.67	135	112	120	MalharPeth	0.13	0.24				
Unit 6	4.15	8.82	213	145	190	Vankuswadi	0.16	0.36				
Unit 7	3.67	7.88	175	125	155	ATIT	0.04	0.07				
Total	14.31	29.44			610	Kale	0.06	0.10				
Chandrapur						Satara	0.25	0.44				
Unit 1	3.59	7.18	153	145	160	Shirala	0.05	0.07				
Unit 2	3.74	7.26	160	150	150	K Mahankal	0.04	0.32				
Unit 3	3.96	8.06	175	157	170	Supa	0.04	0.12				
Unit 4	4.99	10.00	210	203	210	Vita	0.09	0.57				
Unit 5	0.00	0.00	0	0	0	Dondaicha	0.58	1.94				
Unit 6	9.82	19.67	425	372	425	Sakri	0.05	0.28				
Unit 7	5.13	5.13	416	0	0	Nandurbar	0.06	0.23				
Total	31.22	57.29			1115	Khandke	0.02	0.30				
Paras						Khaparale	0.11	0.14				
Unit 3	5.89	11.62	257	217	250	Total	1.69	5.19				
Unit 4	5.73	11.73	258	211	250	CPP						
Total	11.62	23.35			500	JSW JAIGAD	21.87	43.37	1100	753	945	
Khaparkheda						WARDHA	6.57	13.15	281	261	276	
Unit 1	0.00	0.00	0	0	0	Other CPPs	5.82	11.73				
Unit 2	4.47	8.85	193	180	190	Total	34.27	68.25			1221	
Unit 3	5.22	10.44	223	200	210	Tata						
Unit 4	5.24	10.42	227	190	210	Trombay 4	0.00	0.00	0	0		
Unit 5	0.00	1.11	0	0		Trombay 5	10.45	20.76	500	283	500	
Total	14.93	30.82			610	Trombay 6	5.35	9.42	388	155	500	
Nasik						Trombay 7A	3.05	6.12	134	122	120	
Unit 3	4.93	9.82	220	165	192	Trombay 7B	1.66	3.32	71	68	60	
Unit 4	4.88	9.81	210	190	192	Trombay 8	5.54	10.72	248	173	250	
Unit 5	4.22	8.57	190	162	172	TATA Hydro	3.92	5.19	399	0	422	
Total	14.04	28.20			556	Total	29.98	55.53			1852	
Uran						REL						
All Units	14.93	29.56	640	600	600	1&2	12.34	25.02	530	428	500	
Total	14.93	29.56			600	Total	12.34	25.02			500	
PENCH (MS)						Cent Sect						
Pench (MS)	0.18	0.18	26	0		Share					5043	
Total	0.18	0.18				Total					5043	
Koyna												
Stage 1-2	1.98	3.02	270	40	600							
Stage 4	0.12	0.12	87	0	250							
Stage 3	0.82	1.17	144	0	320							
Total	2.92	4.31			1170							
Koyna 12&4 Total	2.10	3.14			850							
							MS PG CL	Thermal	104.30	206.59		4201
								Thml+Gas	119.22	236.16		4801
								Hydro	9.15	16.10		1462
								Total	128.38	252.25		6263
							State Total		206.83	406.41		14879

State Load Dispatch Center, Airoli (MSETCL)

Hourly Load Data As on 02/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	4127	132	635	4894	26	1248	4488	4714	-264	71	10953	149	11064	1304	12406	50.38
2	4070	132	635	4837	25	1237	4291	4705	-189	120	10924	56	10979	1201	12181	50.48
3	4015	127	600	4742	25	1241	4333	4765	-143	97	10870	56	10925	1153	12079	50.63
4	4052	127	603	4782	35	1229	4414	4951	-122	126	11123	56	11178	1124	12303	50.69
5	4084	132	612	4828	45	1255	4414	4926	-122	115	11169	56	11224	1135	12360	50.30
6	4154	137	607	4898	52	1290	4416	5109	-26	156	11505	892	11624	1256	13653	49.94
7	4302	127	638	5067	54	1309	4558	5345	-95	104	11879	2373	12264	1432	15684	49.84
8	4400	196	638	5234	94	1380	4811	5380	-153	54	12142	3501	13303	1576	17219	49.85
9	4406	423	629	5458	103	1373	4918	5314	-254	-95	12153	3802	13543	1820	17775	49.83
10	4424	674	626	5724	107	1361	4965	5068	-312	-86	12174	4171	13980	2071	18416	49.59
11	4436	662	613	5711	126	1359	5271	5227	-338	-160	12288	4021	14225	2260	18569	49.68
12	4384	723	602	5709	94	1406	5290	5311	-354	-169	12376	3923	14224	2308	18607	49.73
13	4497	819	612	5928	51	1456	5248	5156	-317	-181	12435	4090	14451	2303	18828	49.61
14	4438	666	605	5709	36	1477	5192	5606	-259	-151	12702	3771	14443	2230	18703	49.76
15	4487	784	605	5876	42	1492	5191	5140	-264	-158	12418	3454	14002	2252	18124	49.64
16	4435	825	620	5880	62	1590	5206	5035	-280	-147	12424	3489	14170	2250	18163	49.62
17	4487	403	622	5512	71	1595	4710	4538	-275	-133	11583	3879	13394	2246	17708	49.84
18	4477	232	624	5333	94	1613	4715	4394	-280	-169	11265	3653	12376	2243	17161	49.68
19	4433	430	623	5486	109	1625	4949	4806	-407	-231	11817	4245	12811	2296	18358	49.69
20	4488	445	638	5571	109	1636	5062	5052	-450	-256	12132	4133	12971	2259	18524	49.74
21	4441	288	638	5367	109	1634	5034	4900	-423	-266	11748	3898	12375	2160	17806	49.82
22	4460	242	640	5342	90	1551	4943	4760	-355	-254	11489	3661	11902	1977	17127	49.77
23	4443	219	632	5294	77	1457	4824	4738	-307	-218	11348	3008	11408	1823	16179	49.81
24	4355	209	632	5196	53	1456	4739	4793	-344	-128	11370	2432	11429	1601	15403	49.84
MUs	104.30	9.15	14.93	128.38	1.69	34.27	115.98	119.73	-6.33	-1.96	282.29	66.77	304.26	44.28	393.34	49.91

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 02/Jan/2012

Position as on 6.30 Hrs of 03/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
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	
Chandrapur Unit 7	500	24/12/2011	21.42	02/01/2012	05.50	HP heater pipe line leakage.	
Cent_Sect NTPC(K-3)	210	28/12/2011	14.00		Continued.	CW Pump Problem	
Chandrapur Unit 5	500	29/12/2011	12.13		Continued.	Emergency Supply Fail.	03/01/2012
Khaparkheda Unit 5	500	01/01/2012	05.48		Continued.	Tripped on generator protection operated.	
Cent_Sect TARAPUR-4	540	01/01/2012	23.37	02/01/2012	02.26	Turbine Tripped	
Khaparkheda Unit 3	210	03/01/2012	04.42		Continued.	Tripped.	
Cent_Sect NTPC(V) 9	500	03/01/2012	05.00		Continued.	Control fluid leakage.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 02/Jan/2012

Position as on 6.30 Hrs of 03/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). Temporary reconfigured as Tarapur-Boisar ckt-II
Halkarni-Amona I	02/01/2012	08.20	02/01/2012	17.36	Replacement of old insulator.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Parli (PGCIL)-Bhadravati-II	09/12/2011	16.41		Continued.	Over Voltage.
Chandrapur-Bhadravti - I	25/12/2011	22.48		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	29/12/2011	16.53		Continued.	Over Voltage.
Kolhapur - Mapusa - II	29/12/2011	21.33		Continued.	Over Voltage.
Wardha - Akola - I	29/12/2011	21.45		Continued.	Over Voltage.
Parly(PG)- Solapur(PG) - I	01/01/2012	00.10		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	03/01/2012	02.46		Continued.	Over Voltage.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Pench - Kanhan	31/12/2011	19.41		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
New Koyna - Karad - I	02/01/2012	09.20		Continued.	R.M.Work (Ready for charging).
400 KV HVDC AC-II @ Padgha	02/01/2012	09.46	02/01/2012	16.50	Attending Hot Spot.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV,125 MVA T/F-II at Jambhul	08/11/2011	13.50		Continued.	Inspection and Rectification of Gas Formation upto 30/12/2011
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 30/12/2011).
Bus Bar Protection at Parli (GCR)	24/12/2011	14.42		Continued.	Commissioning of New bus bar protection.
220/15.75KV 250 MVA GT III @ Parly-I	26/12/2011	12.32		Continued.	Replacement of CT and PT.
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
Pedambe-Tambati	02/01/2012	06.55	02/01/2012	17.11	Replacement of insulator string.
Pophali-K'gaon	02/01/2012	09.25	02/01/2012	22.09	Dismantling of old tower at loc.no.97.
220/132 KV 200 MVA ICT @ Amravati	02/01/2012	09.32	02/01/2012	15.45	Q.M.Work
Lote- Dasturi	02/01/2012	10.30	02/01/2012	21.11	Dismantling of old tower at loc.no.97.
Shendra-Jalna Ckt.	02/01/2012	10.36	02/01/2012	14.38	Attending hot spot on bus section isolator.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 02/Jan/2012

Position as on 6.30 Hrs of 03/Jan/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Nivali-Pawas	02/01/2012	16.30	02/01/2012	17.00	Problem in trip Ckt. super vision relay.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Chinchwad - Talegaon	25/11/2011	11.29		Continued.	Line Strengthning.
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 nitrogan pressure fire alarm received.
Karad - Kolhapur - I	01/01/2012	16.14	02/01/2012	09.13	Over Voltage.
Bhusawal- Aurangabad	01/01/2012	16.14		Continued.	Over Voltage.
Karad - Kolhapur - I	02/01/2012	16.19		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		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).
Karad-Kolhapur - II	02/01/2012	06.13	02/01/2012	06.25	Distance Protection.

State Load Dispatch Center, Airoli (MSETCL)

Details of On Line Capacity for 03/Jan/2012

Generating unit	Derated Capacity (MW)	OLC (MW)	Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi			BHTGR/VEER	21	18
Unit 5	200	145	BHIRA T.R.	80	80
Unit 6	210	100	RNGR+BHTSA	20	17
Unit 7	210	145	BHANDARDRA	45	0
	620	390	ELDARY	23	15
Bhusawal			SMLHY_PTN	12	11
Unit 2	210	180	GHATGHAR	250	0
Unit 3	210	180		611	280
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	130	Satara	0	
Unit 6	250	180	Shirala	0	
Unit 7	250	170	K Mahankal	0	
	1130	645	Supa	0	
Chandrapur			Vita	0	
Unit 1	210	160	Dondaicha	0	
Unit 2	210	155	Sakri	0	
Unit 3	210	165	Nandurbar	0	
Unit 4	210	210	Khandke	0	
Unit 5	500	0	Khaparale	0	
Unit 6	500	400		0	
Unit 7	500	425	CPP		
	2340	1515	JSW_JAIGAD	600	1060
Paras			WARDHA	405	352
Unit 3	250	250	Other_CPPs	0	
Unit 4	250	200		1005	1412
	500	450	Tata		
Khaparkheda			Trombay 4	150	0
Unit 1	210	0	Trombay 5	500	500
Unit 2	210	170	Trombay 6	500	500
Unit 3	210	0	Trombay 7A	120	120
Unit 4	210	210	Trombay 7B	60	60
Unit 5	500		Trombay 8	250	250
	1340	380	TATA Hydro	444	447
Nasik				2024	1877
Unit 3	210	210	REL		
Unit 4	210	210	1&2	500	500
Unit 5	210	190		500	500
	630	610	Cent Sect		
Uran			Share	3455	5062
All Units	852	630		3455	5062
	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	19			
VTRNA	60	60			
TILLARI	60	60			