



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

State Load Dispatch Center, Airoli

Daily system Report

for

01/Jan/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 01/Jan/2012 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	102.299	102.299	1) Gujrat	5.543	5.543
2) Hydro	6.941	6.941	2) Madhya Pradesh	20.948	20.948
3) Gas	14.632	14.632	3) Chattisgarh	12.320	12.320
Total MSGENCO	123.872	123.872	4) Maharashtra	51.174	51.174
B) OTHERS			5) Goa	-5.358	-5.358
1) JSW JAIGAD	21.497	21.497	6) TAPS 1&2 Injection	7.868	7.868
2) WPCL	6.578	6.578	7) RGPPL Injection	24.833	24.833
3) Other CPP / IPP	5.904	5.904	8) Pench (Excess)	0.000	0.000
4) Wind Generation	3.500	3.500	# Total Cent. Sector	117.328	117.328
5) PENCH (MS)	0.000	0.000	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	2.159	2.159
1) TPCL Thermal	24.281	24.281	G) Bilateral Power *		
2) TPCL Hydro	1.265	1.265	1) MSEDCL Bilateral	40.237	40.237
TOTAL TPCL	25.546	25.546	Include PX	3.510	3.510
3) REL Thermal	12.680	12.680	2) MUMBAI Bilateral	5.558	5.558
D) STATE			Include PX	-4.929	-4.929
1) Thermal (A1+C1+C3)	139.260	139.260	3) MUMBAI Schedule	5.558	5.558
2) Hydro (A2+B5+C2)	8.206	8.206	H) ENERGY CATERED (MUs)		
3) Gas (A3)	14.632	14.632	1) MSEDCL	280.838	280.838
4) Wind (B4)	3.500	3.500	2) TPCL	23.896	23.896
5) CPP (B1+B2+B3)	33.979	33.979	3) REL	12.168	12.168
TOTAL STATE	199.577	199.577	TOTAL STATE	316.902	316.902

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	4234	4184	4354
MSGENCO Hydro	697	310	127
MSGENCO Gas	613	610	607
MSGENCO Total Generation	5544	5104	5088
Central Sector Receipt	5863	5174	3991
WIND	114	127	140
CPP / IPP	1398	1463	1346
Exchange with Mumbai	26	126	56
MSEDCL DEMAND MET	12945	11994	10621
Load Shedding (LS)	1193	398	78
MSEDCL DEMAND (INCL. LS)	14138	12392	10699
TPCL GENERATION	1131	1398	814
REL GENERATION	529	528	529
TPCL+REL DEMAND	1634	1800	1287
STATE DEMAND MET	14579	13794	11908
Load Management (LM)	1937	3319	1535
Total Load Relief (LS+LM)	3130	3717	1613
UNRESTRICTED STATE DEMAND	17709	17511	13521
Frequency (Hz)	49.93	49.91	50.23

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.6 Hz at 03.35 Hrs	49.53 Hz at 09.14 Hrs	50.03	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 01/Jan/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.44	3.44	162	120	155
Unit 6	3.25	3.25	150	111	140
Unit 7	4.44	4.44	190	165	190
Total	11.13	11.13			485
Bhusawal					
Unit 2	4.04	4.04	180	160	185
Unit 3	4.16	4.16	190	160	185
Unit 4	0.00	0.00	0	0	
Total	8.20	8.20			370
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.47	3.47	169	132	145
Unit 5	2.78	2.78	126	106	125
Unit 6	4.67	4.67	235	169	180
Unit 7	4.21	4.21	242	120	180
Total	15.13	15.13			630
Chandrapur					
Unit 1	3.60	3.60	152	141	160
Unit 2	3.52	3.52	153	137	150
Unit 3	4.09	4.09	186	158	185
Unit 4	5.01	5.01	213	204	210
Unit 5	0.00	0.00	0	0	0
Unit 6	9.85	9.85	431	388	425
Unit 7	0.00	0.00	0	0	0
Total	26.06	26.06			1130
Paras					
Unit 3	5.73	5.73	259	179	250
Unit 4	6.00	6.00	260	239	250
Total	11.73	11.73			500
Khaparkheda					
Unit 1	0.00	0.00	0	0	0
Unit 2	4.38	4.38	193	160	190
Unit 3	5.22	5.22	225	200	210
Unit 4	5.18	5.18	223	207	210
Unit 5	1.11	1.11	208	0	
Total	15.89	15.89			610
Nasik					
Unit 3	4.88	4.88	220	170	210
Unit 4	4.93	4.93	210	193	210
Unit 5	4.35	4.35	189	159	190
Total	14.16	14.16			610
Uran					
All Units	14.63	14.63	616	606	600
Total	14.63	14.63			600
PENCH (MS)					
Pench (MS)	0.00	0.00	0	0	
Total	0.00	0.00			
Koyna					
Stage 1-2	1.04	1.04	50	35	600
Stage 4	0.00	0.00	0	0	250
Stage 3	0.35	0.35	160	0	320
Total	1.39	1.39			1170
Kovna 12&4 Total	1.04	1.04			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.97	0.97	61	0	60
TILLARI	0.41	0.41	60	0	60
BHTGR/VEER	0.44	0.44	19	18	18
BHIRA T.R.	0.11	0.11	49	0	80
RNGR+BHTSA	0.39	0.39	17	16	15
BHANDARDRA	0.00	0.00	0	0	30
ELDARY	0.31	0.31	14	12	14
SMLHY PTN	1.03	1.03	51	40	15
GHATGHAR	1.89	1.89	250	0	0
Total	5.55	5.55			292
Wind					
MalharPeth	0.10	0.10			
Vankuswadi	0.20	0.20			
ATIT	0.02	0.02			
Kale	0.04	0.04			
Satara	0.19	0.19			
Shirala	0.02	0.02			
K Mahankal	0.28	0.28			
Supa	0.08	0.08			
Vita	0.48	0.48			
Dondaicha	1.36	1.36			
Sakri	0.22	0.22			
Nandurbar	0.17	0.17			
Khandke	0.28	0.28			
Khaparale	0.03	0.03			
Total	3.50	3.50			
CPP					
JSW JAIGAD	21.50	21.50	929	832	900
WARDHA	6.58	6.58	281	261	276
Other CPPs	5.90	5.90			
Total	33.98	33.98			1176
Tata					
Trombay 4	0.00	0.00	0	0	
Trombay 5	10.31	10.31	502	282	500
Trombay 6	4.07	4.07	284	157	500
Trombay 7A	3.07	3.07	131	124	120
Trombay 7B	1.66	1.66	70	68	60
Trombay 8	5.18	5.18	246	171	250
TATA Hydro	1.26	1.26	172	0	422
Total	25.55	25.55			1852
REL					
1&2	12.68	12.68	530	523	500
Total	12.68	12.68			500
Cent Sect					
Share					4991
Total					4991

MS PG CL	Thermal	102.30	102.30			4335
	Thml+Gas	116.93	116.93			4935
	Hydro	6.94	6.94			1462
	Total	123.87	123.87			6397
State Total		199.58	199.58			14916

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 01/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	4446	197	606	5249	341	1388	4620	4391	-248	-176	11193	1981	11314	1515	14689	50.18
2	4400	161	608	5169	156	1336	4567	4085	-214	-3	10743	1894	10818	1342	13979	50.20
3	4354	127	607	5088	140	1346	4541	3991	-189	56	10621	1613	10699	1287	13521	50.23
4	4331	132	607	5070	149	1357	4528	3983	-176	97	10656	1784	10740	1240	13680	50.41
5	4399	127	608	5134	160	1387	4504	4172	-150	109	10962	1805	11054	1232	13999	50.28
6	4434	132	609	5175	164	1422	4433	4450	-33	132	11343	2018	11574	1297	14658	49.99
7	4335	127	606	5068	143	1433	4471	4786	-65	156	11586	2784	12531	1328	15698	49.92
8	4291	132	612	5035	143	1438	4718	5164	-118	149	11929	3159	12958	1358	16446	49.87
9	4321	180	616	5117	105	1424	4783	5319	-187	69	12034	3129	13051	1440	16603	49.78
10	4351	493	616	5460	104	1441	4839	5507	-246	18	12530	2969	13463	1541	17040	49.73
11	4263	718	616	5597	112	1436	5167	5660	-293	-11	12794	3038	13881	1621	17453	49.85
12	4234	697	613	5544	114	1398	5129	5863	-299	26	12945	3130	14138	1634	17709	49.93
13	4182	491	609	5282	117	1397	5116	5702	-278	-2	12496	3143	13701	1668	17307	49.93
14	4193	432	607	5232	128	1426	5090	5542	-251	103	12431	3084	13623	1613	17128	50.05
15	4169	442	606	5217	208	1465	5045	5406	-203	194	12490	2633	13361	1528	16651	49.93
16	4228	447	610	5285	262	1447	5024	5332	-182	248	12574	2595	13468	1475	16644	49.88
17	4196	312	609	5117	236	1436	4524	4634	-171	259	11682	2937	12547	1475	16094	50.10
18	4255	202	609	5066	184	1455	4550	4126	-198	203	11034	3222	11702	1536	15792	50.04
19	4266	269	609	5144	133	1462	4710	4977	-325	118	11834	3756	12310	1715	17305	49.90
20	4184	310	610	5104	127	1463	4936	5174	-410	126	11994	3717	12392	1800	17511	49.91
21	4157	261	609	5027	117	1457	4929	4955	-389	108	11664	3666	12011	1776	17106	50.15
22	4182	203	610	4995	52	1427	4898	4711	-357	-44	11141	3624	11446	1679	16444	50.06
23	4078	188	610	4876	52	1397	4800	4632	-331	66	11023	3436	11291	1561	16020	50.13
24	4050	161	610	4821	53	1341	4598	4768	-246	158	11141	2734	11337	1406	15281	50.30
MUs	102.30	6.94	14.63	123.87	3.50	33.98	114.52	117.33	-5.56	2.16	280.84	67.85	295.41	36.07	384.76	50.03

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 01/Jan/2012

Position as on 6.30 Hrs of 02/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.	02/01/2012
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	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 01/Jan/2012

Position as on 6.30 Hrs of 02/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.
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) - II	31/12/2011	22.24	01/01/2012	00.10	Over Voltage.
Lamboti - Solapur (PGCIL)	31/12/2011	23.30	01/01/2012	05.44	Over Voltage.
Parly(PG)- Solapur(PG) - I	01/01/2012	00.10		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	01/01/2012	03.28	01/01/2012	07.24	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
Main Bus II at Dhule	31/12/2011	11.25	01/01/2012	12.55	Replacement of jumpers by hot line unit.
400/220KV 500MVA ICT-III at Dhule	01/01/2012	15.25	01/01/2012	15.30	Newly charged from HV side.
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
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.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 01/Jan/2012

Position as on 6.30 Hrs of 02/Jan/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Chalisgaon-BSL-I	01/01/2012	16.07	01/01/2012	17.21	Attending red hot on bus isolator.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV,500MVA ICT-II at Khaparkheda.	20/11/2011	08.02		Continued.	Due to low nitrogran pressure fire alarm received.
Bhusawal- Aurangabad	30/12/2011	17.33	01/01/2012	10.26	Over Voltage.
Karad - Kolhapur - II	31/12/2011	20.40	01/01/2012	08.57	Over Voltage.
Karad - Kolhapur - I	01/01/2012	16.14		Continued.	Over Voltage.
Bhusawal- Aurangabad	01/01/2012	16.14		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
Bableshwar-Aurangabad	01/01/2012	03.06	01/01/2012	06.30	Over Voltage.
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).
Hingoli-Pusad	01/01/2012	01.39	01/01/2012	13.55	Distance protection.
Khaparkheda-Kawlewada-II	01/01/2012	18.31	01/01/2012	18.41	Dist.Prot.Z-I,B-Ph,E/F.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 02/Jan/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	130
Unit 6	210	145
Unit 7	210	175
	620	450
Bhusawal		
Unit 2	210	180
Unit 3	210	180
Unit 4	500	
	920	360
Parli		
Unit 3	210	0
Unit 4	210	145
Unit 5	210	120
Unit 6	250	190
Unit 7	250	155
	1130	610
Chandrapur		
Unit 1	210	160
Unit 2	210	150
Unit 3	210	170
Unit 4	210	210
Unit 5	500	0
Unit 6	500	425
Unit 7	500	0
	2340	1115
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	0
Unit 2	210	190
Unit 3	210	210
Unit 4	210	210
Unit 5	500	
	1340	610
Nasik		
Unit 3	210	192
Unit 4	210	192
Unit 5	210	172
	630	556
Uran		
All Units	852	600
	852	600
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	0
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	15
BHANDARDRA	45	0
ELDARY	23	15
SMLHY PTN	12	42
GHATGHAR	250	0
	611	292
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	945
WARDHA	405	276
Other CPPs	0	
	1005	1221
Tata		
Trombay 4	150	
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	422
	2024	1852
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5043
	3455	5043