



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

State Load Dispatch Center, Airoli

Daily system Report

for

31/Jan/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 31/Jan/2012 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	132.619	3603.497	1) Gujrat	5.260	167.778
2) Hydro	8.400	298.962	2) Madhya Pradesh	18.507	630.923
3) Gas	13.916	423.691	3) Chattisgarh	12.060	383.040
Total MSGENCO	154.935	4326.150	4) Maharashtra	46.583	1475.773
B) OTHERS			5) Goa	-6.200	-171.107
1) JSW JAIGAD	25.683	720.132	6) TAPS 1&2 Injection	7.400	238.088
2) WPCL	7.084	230.764	7) RGPPL Injection	24.028	771.323
3) Other CPP / IPP	6.739	207.684	8) Pench (Excess)	0.016	-9.589
4) Wind Generation	2.296	107.278	# Total Cent. Sector	107.654	3486.229
5) PENCH (MS)	0.269	12.157	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-10.505	-186.762
1) TPCL Thermal	16.700	629.440	G) Bilateral Power *		
2) TPCL Hydro	5.864	135.662	1) MSEDCL Bilateral	32.895	1166.457
TOTAL TPCL	22.564	765.102	Include PX	-1.455	61.768
3) REL Thermal	11.892	369.515	2) MUMBAI Bilateral	9.295	239.782
D) STATE			Include PX	-2.203	-108.889
1) Thermal (A1+C1+C3)	161.211	4602.452	3) MUMBAI Schedule	9.295	245.024
2) Hydro (A2+B5+C2)	14.533	446.781	H) ENERGY CATERED (MUs)		
3) Gas (A3)	13.916	423.691	1) MSEDCL	294.155	8903.632
4) Wind (B4)	2.296	107.278	2) TPCL	30.354	884.417
5) CPP (B1+B2+B3)	39.506	1158.580	3) REL	14.602	436.972
TOTAL STATE	231.462	6738.782	TOTAL STATE	339.111	10225.021

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	5583	5717	4984
MSGENCO Hydro	626	404	163
MSGENCO Gas	557	529	622
MSGENCO Total Generation	6766	6650	5769
Central Sector Receipt	5241	4675	4011
WIND	74	158	86
CPP / IPP	1757	1779	1337
Exchange with Mumbai	-562	-647	-247
MSEDCL DEMAND MET	13276	12665	10956
Load Shedding (LS)	1232	463	50
MSEDCL DEMAND (INCL. LS)	14508	13128	11006
TPCL GENERATION	1248	1154	505
REL GENERATION	527	529	388
TPCL+REL DEMAND	2337	2330	1140
STATE DEMAND MET	15613	14995	12096
Load Management (LM)	2162	3627	1610
Total Load Relief (LS+LM)	3394	4090	1660
UNRESTRICTED STATE DEMAND	19007	19085	13756
Frequency (Hz)	49.71	49.75	49.96

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.69 Hz at 21.51 Hrs	49.04 Hz at 22.02 Hrs	49.81	.23 % 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 31/Jan/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.38	59.81	158	127	135
Unit 6	3.64	55.91	160	142	155
Unit 7	4.33	126.83	195	170	180
Total	11.35	242.55			470
Bhusawal					
Unit 2	4.14	109.24	180	165	180
Unit 3	4.22	130.80	185	165	180
Unit 4	0.00	0.00	0	0	
Total	8.36	240.05			360
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.45	134.68	200	160	165
Unit 5	3.90	92.01	178	140	155
Unit 6	4.71	116.45	252	0	200
Unit 7	5.38	124.88	244	188	180
Total	18.44	468.02			700
Chandrapur					
Unit 1	3.43	112.64	149	131	160
Unit 2	3.67	105.13	165	147	165
Unit 3	3.71	117.74	174	110	180
Unit 4	4.74	153.87	201	186	210
Unit 5	10.68	250.04	480	350	475
Unit 6	9.52	316.29	425	345	425
Unit 7	10.73	308.31	490	356	475
Total	46.47	1364.02			2090
Paras					
Unit 3	5.28	173.02	244	162	250
Unit 4	5.33	168.09	248	167	250
Total	10.60	341.11			500
Khaparkheda					
Unit 1	4.37	11.58	195	170	180
Unit 2	4.32	136.33	185	167	180
Unit 3	3.83	141.19	165	151	170
Unit 4	4.52	156.24	220	157	160
Unit 5	5.87	96.47	284	211	
Total	22.91	541.80			690
Nasik					
Unit 3	5.02	155.68	222	175	210
Unit 4	4.81	150.10	212	173	210
Unit 5	4.66	100.18	206	172	210
Total	14.48	405.95			630
Uran					
All Units	13.92	423.69	635	529	620
Total	13.92	423.69			620
PENCH (MS)					
Pench (MS)	0.27	12.16	53	0	
Total	0.27	12.16			
Koyna					
Stage 1-2	1.24	63.32	120	40	600
Stage 4	0.00	21.50	0	0	250
Stage 3	0.34	19.44	158	0	320
Total	1.58	104.26			1170
Kovna 12&4 Total	1.24	84.82			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.47	14.55	20	19	20
VTRNA	0.82	29.79	61	0	60
TILLARI	0.37	12.21	60	0	60
BHTGR/VEER	0.12	11.92	5	5	5
BHIRA T.R.	0.30	7.60	80	0	80
RNGR+BHTSA	0.36	11.06	15	15	15
BHANDARDRA	0.72	10.90	30	30	30
ELDARY	0.33	5.06	14	13	14
SMLHY PTN	1.03	31.78	51	40	10
GHATGHAR	2.30	59.83	250	0	0
Total	6.82	194.70			294
Wind					
MalharPeth	0.14	4.60			
Vankuswadi	0.16	7.56			
ATIT	0.02	1.89			
Kale	0.06	2.78			
Satara	0.33	13.42			
Shirala	0.06	2.98			
K Mahankal	0.17	7.18			
Supa	0.08	2.58			
Vita	0.28	14.22			
Dondaicha	0.62	32.04			
Sakri	0.10	4.41			
Nandurbar	0.05	2.96			
Khandke	0.06	6.07			
Khaparale	0.16	4.58			
Total	2.30	107.28			
CPP					
JSW JAIGAD	25.68	720.13	1195	874	1082
WARDHA	7.08	230.76	333	214	330
Other CPPs	6.74	207.68			
Total	39.51	1158.58			1412
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	97.29	0	0	0
Trombay 6	7.57	222.51	486	155	500
Trombay 7A	2.18	87.84	131	69	120
Trombay 7B	1.41	49.36	70	53	60
Trombay 8	5.53	172.45	250	176	250
TATA Hydro	5.86	135.66	459	0	447
Total	22.56	765.10			1377
REL					
1&2	11.89	369.52	529	388	500
Total	11.89	369.52			500
Cent Sect					
Share					4827
Total					4827

MS PG CL	Thermal	132.62	3603.50			5440
	Thml+Gas	146.54	4027.19			6060
	Hydro	8.40	298.96			1464
	Total	154.94	4326.15			7524
State Total		231.46	6738.78			15640

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 31/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	5365	229	620	6214	112	1366	4438	4027	-311	-447	11272	2099	11332	1322	14693	49.88
2	5102	169	620	5891	92	1338	4438	4084	-306	-314	11091	1961	11130	1191	14243	49.91
3	4984	163	622	5769	86	1337	4438	4011	-306	-247	10956	1660	11006	1140	13756	49.96
4	4986	169	630	5785	88	1342	4438	4118	-306	-199	11134	1777	11187	1114	14025	50.01
5	5042	169	630	5841	88	1343	4438	4107	-306	-204	11175	1786	11231	1126	14087	49.98
6	5593	164	630	6387	88	1602	4588	4038	51	-124	11991	1859	12045	1253	15103	49.89
7	5654	174	630	6458	113	1755	4512	4243	-65	-105	12464	2314	12829	1472	16250	49.74
8	5693	404	634	6731	117	1794	4538	4655	-133	-146	13151	3105	14073	1687	17943	49.73
9	5651	423	635	6709	90	1787	4608	4598	-240	-385	12799	3563	13990	1968	18330	49.75
10	5664	546	608	6818	93	1804	4901	4854	-453	-450	13119	3383	14250	2173	18675	49.64
11	5589	605	586	6780	107	1750	5139	5090	-573	-548	13179	3357	14406	2313	18849	49.71
12	5583	626	557	6766	74	1757	5163	5241	-633	-562	13276	3394	14508	2337	19007	49.71
13	5573	509	557	6639	49	1766	5143	5066	-612	-503	13034	3461	14331	2324	18819	49.71
14	5667	572	559	6798	35	1781	5037	4925	-498	-418	13142	3329	14360	2213	18684	49.82
15	5704	639	553	6896	34	1770	4954	4819	-493	-467	13078	3026	14094	2239	18343	49.76
16	5689	612	540	6841	37	1779	4860	4860	-506	-453	13084	3029	14166	2239	18352	49.76
17	5686	300	538	6524	24	1782	4978	4608	-629	-626	12317	3238	13220	2234	17789	49.79
18	5700	225	537	6462	29	1819	4825	4341	-473	-697	11954	3359	12478	2220	17533	49.81
19	5683	325	533	6541	92	1823	4711	4543	-510	-631	12421	3994	12842	2287	18702	49.83
20	5717	404	529	6650	158	1779	4807	4675	-549	-647	12665	4090	13128	2330	19085	49.75
21	5732	329	531	6592	165	1673	4744	4172	-442	-573	12079	3990	12442	2259	18328	49.72
22	5662	229	531	6422	149	1540	4586	4191	-441	-673	11656	3829	11858	2085	17570	49.86
23	5527	228	552	6307	191	1526	4302	4229	-373	-617	11636	3278	11693	1868	16782	49.85
24	5373	187	554	6114	185	1493	4344	4159	-192	-469	11482	2812	11538	1567	15861	49.75
MUs	132.6 2	8.40	13.92	154.94	2.30	39.51	112.93	107.65	-9.30	-10.50	294.16	71.69	308.14	44.96	410.81	49.81

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 31/Jan/2012

Position as on 6.30 Hrs of 01/Feb/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.	01/02/2012
Cent_Sect NTPC(K-1)	210	20/12/2011	13.44		Continued.	Annual Overhaul.	01/02/2012
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	01/02/2012
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 WPCL U-3	135	28/01/2012	07.48		Continued.	W/Dn,due to bottom ash problem.	
Parli Unit 6	250	31/01/2012	22.03		Continued.	BLR T/L.	03/02/2012

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 31/Jan/2012

Position as on 6.30 Hrs of 01/Feb/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Parly(PG) - Wardha (PG) - I	30/01/2012	09.36		Continued.	Stringing wok of 400KV Mouda-Wardha D/C line crossing.
Parli (PG) - Wardha (PG) - II	30/01/2012	18.10		Continued.	Stringing work of 400KV Mouda-Wardha D/C line crossing.
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
Kalmeshwar - Pandurna	31/01/2012	12.06		Continued.	Retrofitting of relay testing work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	28/01/2012	21.02	31/01/2012	10.11	Over Voltage.
Akola - Wardha - II	30/01/2012	21.54	31/01/2012	11.44	Over Voltage.
Dhule-Sar'Sarovar - I	30/01/2012	21.59		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	31/01/2012	03.18	31/01/2012	06.32	Over Voltage.
Kolhapur - Mapusa - II	31/01/2012	21.28		Continued.	Over Voltage.
Wardha - Akola - I	31/01/2012	21.57		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	01/02/2012	01.26		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
New Koyna - Stage IV	31/01/2012	09.46	31/01/2012	19.36	R.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.
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
Kalwa - Salshet - III	24/01/2012	11.35		Continued.	Replacement of 29A and B isolator, line taken on TBC.Upto 04.02.2012
Main Bus I @ Khargar	31/01/2012	09.40		Continued.	Servicing and alignment of isolator.
TBC at Badnera	31/01/2012	10.10	31/01/2012	16.45	Replacement of rotary bearing.
Mudshingi - Karad - IV	31/01/2012	10.38		Continued.	Insulator replacement work.
Main Bus-II at Koradi	31/01/2012	12.09		Continued.	Isolator replacement work.
Karad - Miraj	31/01/2012	12.27	31/01/2012	18.11	For making LILO arrangement for 220KV Kadegaon line.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Amravati - Achalpur	16/01/2012	10.10		Continued.	Main bkr.maint.work.
Harangul-Ujani-II	31/01/2012	10.50	31/01/2012	11.47	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 HAND TRIPPED		
400/220KV,500MVA ICT-II at Khaparkheda.	20/11/2011	08.02		Continued.	Due to low nitrogran 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	30/01/2012	16.27	31/01/2012	10.00	Over Voltage.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 31/Jan/2012

Position as on 6.30 Hrs of 01/Feb/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Bhusawal- Aurangabad	30/01/2012	16.57	31/01/2012	07.57	Over Voltage.
Chandrapur - Parli - I	31/01/2012	12.09	31/01/2012	12.34	H/T to take out line reactor for attending oil leakage.
Bhusawal- Aurangabad	31/01/2012	17.42		Continued.	Over Voltage.
Karad - Kolhapur - II	31/01/2012	21.10		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur - Warora	29/01/2012	04.56		Continued.	To control Wardha-Warora Hinganghat line loading.
Nasik-Bablsur - I	31/01/2012	10.19		Continued.	To control bus section load.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	21/01/2012	03.36		Continued.	Bucolz Alarm Persist.
Lonikand - Chakan	31/01/2012	13.50	31/01/2012	14.02	LBB operated.
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 01/Feb/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	155
Unit 6	210	155
Unit 7	210	170
	620	480
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	175
Unit 6	250	0
Unit 7	250	200
	1130	570
Chandrapur		
Unit 1	210	150
Unit 2	210	160
Unit 3	210	140
Unit 4	210	210
Unit 5	500	350
Unit 6	500	400
Unit 7	500	425
	2340	1835
Paras		
Unit 3	250	225
Unit 4	250	225
	500	450
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	180
Unit 4	210	210
Unit 5	500	
	1340	750
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	210
	630	630
Uran		
All Units	852	550
	852	550
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	20
VTRNA	60	60
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	5
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	30
ELDARY	23	14
SMLHY PTN	12	11
GHATGHAR	250	0
	611	295
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	1045
WARDHA	405	330
Other CPPs	0	
	1005	1375
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	5218
	3455	5218

	17900	7 of 7	15560
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