



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

State Load Dispatch Center, Airoli

Daily system Report

for

30/Jan/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 30/Jan/2012 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	133.977	3470.878	1) Gujrat	5.661	162.518
2) Hydro	7.530	290.562	2) Madhya Pradesh	18.422	612.416
3) Gas	14.910	409.775	3) Chattisgarh	11.260	370.980
Total MSGENCO	156.417	4171.215	4) Maharashtra	43.817	1429.190
B) OTHERS			5) Goa	-5.385	-164.907
1) JSW JAIGAD	25.099	694.449	6) TAPS 1&2 Injection	6.527	230.688
2) WPCL	7.169	223.680	7) RGPPL Injection	24.846	747.295
3) Other CPP / IPP	6.455	200.945	8) Pench (Excess)	-0.177	-9.605
4) Wind Generation	3.202	104.982	# Total Cent. Sector	104.971	3378.575
5) PENCH (MS)	0.177	11.888	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-9.208	-176.257
1) TPCL Thermal	16.688	612.740	G) Bilateral Power *		
2) TPCL Hydro	4.965	129.798	1) MSEDCL Bilateral	33.511	1133.562
TOTAL TPCL	21.653	742.538	Include PX	0.000	63.224
3) REL Thermal	11.933	357.623	2) MUMBAI Bilateral	8.297	230.487
D) STATE			Include PX	-3.571	-106.686
1) Thermal (A1+C1+C3)	162.598	4441.241	3) MUMBAI Schedule	8.297	235.729
2) Hydro (A2+B5+C2)	12.672	432.248	H) ENERGY CATERED (MUs)		
3) Gas (A3)	14.910	409.775	1) MSEDCL	294.282	8609.477
4) Wind (B4)	3.202	104.982	2) TPCL	28.857	854.063
5) CPP (B1+B2+B3)	38.723	1119.074	3) REL	13.935	422.370
TOTAL STATE	232.105	6507.320	TOTAL STATE	337.074	9885.910

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	5698	5825	4889
MSGENCO Hydro	627	380	156
MSGENCO Gas	623	619	628
MSGENCO Total Generation	6948	6824	5673
Central Sector Receipt	5062	4549	3902
WIND	154	115	162
CPP / IPP	1761	1679	1385
Exchange with Mumbai	-440	-631	-141
MSEDCL DEMAND MET	13485	12583	10981
Load Shedding (LS)	741	20	13
MSEDCL DEMAND (INCL. LS)	14226	12603	10994
TPCL GENERATION	1266	1064	536
REL GENERATION	527	527	389
TPCL+REL DEMAND	2233	2222	1066
STATE DEMAND MET	15718	14805	12047
Load Management (LM)	1793	3243	13
Total Load Relief (LS+LM)	2534	3263	26
UNRESTRICTED STATE DEMAND	18252	18068	12073
Frequency (Hz)	49.92	49.77	50.19

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.46 Hz at 05.03 Hrs	49.33 Hz at 19.09 Hrs	49.9	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 30/Jan/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.23	56.44	168	61	70
Unit 6	4.22	52.27	195	155	190
Unit 7	4.67	122.50	205	165	195
Total	12.12	231.21			455
Bhusawal					
Unit 2	4.10	105.11	190	160	180
Unit 3	4.18	126.58	190	165	180
Unit 4	0.00	0.00	0	0	
Total	8.28	231.70			360
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.50	130.23	200	169	190
Unit 5	3.96	88.11	175	158	155
Unit 6	5.44	111.74	250	182	240
Unit 7	5.50	119.50	248	177	190
Total	19.40	449.57			775
Chandrapur					
Unit 1	3.60	109.21	157	144	160
Unit 2	3.61	101.46	171	98	165
Unit 3	3.97	114.03	178	140	170
Unit 4	4.81	149.13	207	194	210
Unit 5	10.72	239.36	480	360	475
Unit 6	9.74	306.77	430	350	425
Unit 7	10.74	297.58	480	352	475
Total	47.18	1317.54			2080
Paras					
Unit 3	5.56	167.74	254	192	250
Unit 4	5.64	162.76	253	210	250
Total	11.20	330.50			500
Khaparkheda					
Unit 1	3.30	7.21	190	0	150
Unit 2	4.14	132.02	184	157	180
Unit 3	4.20	137.36	182	165	180
Unit 4	4.78	151.72	207	188	210
Unit 5	4.96	90.59	317	100	
Total	21.38	518.89			720
Nasik					
Unit 3	5.04	150.66	223	175	212
Unit 4	4.73	145.29	210	174	195
Unit 5	4.64	95.52	205	167	203
Total	14.41	391.47			610
Uran					
All Units	14.91	409.78	631	605	620
Total	14.91	409.78			620
PENCH (MS)					
Pench (MS)	0.18	11.89	47	0	
Total	0.18	11.89			
Koyna					
Stage 1-2	1.04	62.08	70	40	600
Stage 4	0.00	21.50	0	0	250
Stage 3	0.14	19.10	80	0	320
Total	1.18	102.68			1170
Kovna 12&4 Total	1.04	83.58			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.47	14.08	20	19	20
VTRNA	0.84	28.96	61	0	60
TILLARI	0.37	11.84	60	0	60
BHTGR/VEER	0.10	11.80	5	4	5
BHIRA T.R.	0.27	7.30	77	0	80
RNGR+BHTSA	0.33	10.70	14	13	15
BHANDARDRA	0.70	10.18	31	28	30
ELDARY	0.33	4.73	14	13	14
SMLHY PTN	1.00	30.74	50	38	30
GHATGHAR	1.94	57.53	250	0	0
Total	6.35	187.88			314
Wind					
MalharPeth	0.12	4.47			
Vankuswadi	0.22	7.40			
ATIT	0.02	1.86			
Kale	0.10	2.72			
Satara	0.27	13.09			
Shirala	0.09	2.93			
K Mahankal	0.26	7.01			
Supa	0.05	2.50			
Vita	0.17	13.94			
Dondaicha	1.48	31.42			
Sakri	0.18	4.31			
Nandurbar	0.05	2.91			
Khandke	0.12	6.01			
Khaparale	0.06	4.42			
Total	3.20	104.98			
CPP					
JSW JAIGAD	25.10	694.45	1159	876	1045
WARDHA	7.17	223.68	329	222	330
Other CPPs	6.46	200.94			
Total	38.72	1119.07			1375
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	97.29	0	0	0
Trombay 6	7.11	214.94	467	155	500
Trombay 7A	2.66	85.66	134	87	120
Trombay 7B	1.54	47.95	70	58	60
Trombay 8	5.39	166.91	250	177	250
TATA Hydro	4.96	129.80	435	0	447
Total	21.65	742.54			1377
REL					
1&2	11.93	357.62	529	387	500
Total	11.93	357.62			500
Cent Sect					
Share					5166
Total					5166

MS PG CL	Thermal	133.98	3470.88			5500
	Thml+Gas	148.89	3880.65			6120
	Hydro	7.53	290.56			1484
	Total	156.42	4171.22			7604
State Total		232.10	6507.32			16022

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 30/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	5146	156	627	5929	134	1395	4529	4018	-183	-348	11128	16	11133	1266	12410	49.97
2	4918	161	631	5710	152	1381	4529	3964	-118	-232	10975	22	10986	1136	12133	50.01
3	4889	156	628	5673	162	1385	4529	3902	-152	-141	10981	26	10994	1066	12073	50.19
4	4926	161	631	5718	172	1380	4529	3979	-152	-121	11128	27	11141	1046	12201	50.25
5	5001	161	627	5789	170	1398	4529	4198	-142	-123	11432	28	11445	1056	12516	50.18
6	5494	156	629	6279	177	1557	4541	3970	9	39	12022	1133	12149	1204	14359	49.94
7	5724	160	628	6512	170	1732	4636	4057	-87	-33	12455	2255	13013	1438	16148	49.73
8	5752	215	627	6594	111	1760	4657	4618	-134	-121	12987	2608	13640	1631	17226	49.85
9	5740	323	629	6692	105	1773	4691	4545	-197	-184	12943	2612	13658	1863	17418	49.76
10	5760	548	618	6926	107	1776	5013	4843	-416	-322	13333	2399	13904	2079	17811	49.77
11	5779	588	605	6972	145	1762	5209	5062	-561	-386	13555	2395	14181	2227	18177	49.90
12	5698	627	623	6948	154	1761	5263	5062	-575	-440	13485	2534	14226	2233	18252	49.92
13	5741	486	614	6841	101	1677	5195	4764	-619	-398	12985	2626	13791	2232	17843	49.84
14	5664	470	617	6751	104	1657	5271	5038	-606	-444	13106	2541	13873	2113	17760	49.78
15	5611	511	616	6738	70	1651	5159	5076	-529	-483	13052	2251	13642	2131	17434	49.82
16	5738	505	617	6860	74	1646	5067	4950	-508	-541	12989	2213	13611	2128	17330	49.79
17	5730	308	616	6654	77	1652	5089	4431	-516	-618	12196	2559	12788	2124	16879	49.89
18	5794	171	611	6576	103	1657	4865	4178	-454	-652	11862	2690	12090	2117	16669	49.87
19	5813	275	619	6707	111	1675	5047	4434	-451	-628	12319	3214	12339	2177	17710	49.82
20	5825	380	619	6824	115	1679	5125	4549	-501	-631	12583	3263	12603	2222	18068	49.77
21	5855	346	614	6815	155	1688	5037	4099	-394	-593	12211	3264	12231	2119	17594	49.78
22	5894	226	618	6738	213	1644	4721	3751	-393	-572	11780	3258	11794	1932	16970	49.88
23	5794	220	623	6637	182	1575	4612	3739	-362	-658	11475	2959	11486	1705	16139	49.90
24	5691	220	623	6534	138	1462	4486	3743	-256	-578	11299	2422	11307	1549	15270	49.90
MUs	133.98	7.53	14.91	156.42	3.20	38.72	116.33	104.97	-8.30	-9.21	294.28	49.32	302.02	42.79	386.39	49.90

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 30/Jan/2012

Position as on 6.30 Hrs of 31/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.	31/01/2012
Cent_Sect NTPC(K-1)	210	20/12/2011	13.44		Continued.	Annual Overhaul.	31/01/2012
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	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	
CPP WPCL U-3	135	28/01/2012	07.48		Continued.	W/Dn,due to bottom ash problem.	
Khaparkheda Unit 1	210	29/01/2012	01.54	30/01/2012	01.54	AVR testing.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/Jan/2012

Position as on 6.30 Hrs of 31/Jan/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised 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). Temprory reconfigured as Tarapur-Boisar ckt-II
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Parly(PG) - Wardha (PG) - I	11/01/2012	18.16		Continued.	Over Voltage.
Kolhapur - Mapusa - I	28/01/2012	21.02		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	29/01/2012	15.16	30/01/2012	08.54	Over Voltage.
Akola - Wardha - I	29/01/2012	21.28	30/01/2012	08.17	Over Voltage.
Akola - Wardha - II	30/01/2012	21.54		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	30/01/2012	21.59		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	31/01/2012	03.18		Continued.	Over Voltage.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC Pole I Padgha	30/01/2012	17.09	30/01/2012	17.58	For attending smoothing buchholz relay alarm.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Akola - Bhusawal	30/01/2012	09.12	30/01/2012	17.32	Replacement of line insulator under LES.
400/220KV,315MVA ICT-I at Karad	30/01/2012	09.54	30/01/2012	18.38	To attend red hot and 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
Borivali-Tata Borivali 4	29/01/2012	23.03	30/01/2012	01.29	Insulators insertion on 220KV cable terminations.
220/100KV,200MVA ICT-I at Borivali.	29/01/2012	23.10	30/01/2012	01.25	Insulators insertion on 220KV cable terminations.
220/100KV,200MVA ICT-II at Borivali	29/01/2012	23.11	30/01/2012	01.23	Insulators insertion on 220KV cable terminations.
Borivali-Kalwa	29/01/2012	23.15	30/01/2012	01.15	Insulators insertion on 220KV cable terminations.
Main Bus - I @ Borivali	29/01/2012	23.16	30/01/2012	01.05	Insulators insertion on 220KV cable terminations.
Borivali - Bhandup (GIC)	29/01/2012	23.16	30/01/2012	01.05	Insulators insertion on 220KV cable terminations.
Mudshingi - Karad - IV	30/01/2012	09.02	30/01/2012	18.24	Replacement of insulator.
Kolhapur-Sawantwadi	30/01/2012	09.54	30/01/2012	18.38	Stringing of 220KV Kolhapur-Sawanwadi-II.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/Jan/2012

Position as on 6.30 Hrs of 31/Jan/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Akola - Badnera - II	30/01/2012	09.59	30/01/2012	17.17	For isolaor maintenance work.
Bhugaon - IIPL	30/01/2012	10.38	30/01/2012	11.20	R.M.Work
220/22 KV 40 MVA T/F II @ Sicom	30/01/2012	12.27	30/01/2012	13.30	To attend hot spot on Y ph.jumper isolator.
Gadchandur-Virur-II	30/01/2012	14.29	30/01/2012	18.27	Retrofitting work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Amravati - Achalpur	16/01/2012	10.10		Continued.	Main bkr.maint.work.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Chinchwad - Talegaon	25/11/2011	11.29		Continued.	Line Strengthening.
Borivali-TATA-I	29/01/2012	23.06	30/01/2012	01.31	Insulators insertion on 220KV cable terminations.
Borivali-Tata-II	29/01/2012	23.08	30/01/2012	01.31	Insulators insertion on 220KV cable terminations.
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.
Bhusawal- Aurangabad	29/01/2012	16.36	30/01/2012	07.59	Over Voltage
Karad - Kolhapur - II	29/01/2012	16.42	30/01/2012	09.00	Over Voltage.
Karad - Kolhapur - I	30/01/2012	16.27		Continued.	Over Voltage.
Bhusawal- Aurangabad	30/01/2012	16.57		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.
Voltage Level : 500KV			Outage Type TRIPPED		
HVDC Pole I Padgha	30/01/2012	11.55	30/01/2012	12.57	Tripped while checking smoothing reactor alarm.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	21/01/2012	03.36		Continued.	Buccolz Alarm Persist.
400/220 KV 315 MVA ICT @ Akola	29/01/2012	23.23	30/01/2012	01.21	Tripped on NDR.
Karad - Newkoyna - I	30/01/2012	09.54	30/01/2012	09.56	Maloperation while taking outage on Karad 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).
Girwali - Parly - II	29/01/2012	22.55	30/01/2012	15.29	LA of Y ph.burst.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 31/Jan/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	135
Unit 6	210	155
Unit 7	210	180
	620	470
Bhusawal		
Unit 2	210	180
Unit 3	210	180
Unit 4	500	
	920	360
Parli		
Unit 3	210	0
Unit 4	210	165
Unit 5	210	155
Unit 6	250	200
Unit 7	250	180
	1130	700
Chandrapur		
Unit 1	210	160
Unit 2	210	165
Unit 3	210	180
Unit 4	210	210
Unit 5	500	475
Unit 6	500	425
Unit 7	500	475
	2340	2090
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	170
Unit 4	210	160
Unit 5	500	
	1340	690
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	210
	630	630
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	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	10
GHATGHAR	250	0
	611	294
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	1082
WARDHA	405	330
Other CPPs	0	
	1005	1412
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	4827
	3455	4827

	17900	7 of 7	15640
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