



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

State Load Dispatch Center, Airoli

Daily system Report

for

25/Jan/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 25/Jan/2012 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	107.283	2852.452	1) Gujrat	12.942	137.432
2) Hydro	9.995	248.680	2) Madhya Pradesh	21.201	518.606
3) Gas	13.081	342.037	3) Chattisgarh	12.760	310.080
Total MSGENCO	130.359	3443.169	4) Maharashtra	48.790	1215.646
B) OTHERS			5) Goa	-6.079	-138.474
1) JSW JAIGAD	24.351	566.084	6) TAPS 1&2 Injection	7.676	193.132
2) WPCL	7.314	191.695	7) RGPPL Injection	25.606	623.343
3) Other CPP / IPP	7.075	167.805	8) Pench (Excess)	-0.298	-8.318
4) Wind Generation	3.351	88.550	# Total Cent. Sector	122.598	2851.447
5) PENCH (MS)	0.298	10.601	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-7.475	-144.337
1) TPCL Thermal	19.189	527.801	G) Bilateral Power *		
2) TPCL Hydro	5.974	106.248	1) MSEDCL Bilateral	37.661	959.786
TOTAL TPCL	25.163	634.049	Include PX	0.092	59.392
3) REL Thermal	12.668	296.865	2) MUMBAI Bilateral	9.514	196.426
D) STATE			Include PX	-2.331	-86.011
1) Thermal (A1+C1+C3)	139.140	3677.118	3) MUMBAI Schedule	9.514	201.669
2) Hydro (A2+B5+C2)	16.267	365.529	H) ENERGY CATERED (MUs)		
3) Gas (A3)	13.081	342.037	1) MSEDCL	287.871	7175.014
4) Wind (B4)	3.351	88.550	2) TPCL	29.964	719.877
5) CPP (B1+B2+B3)	38.740	925.584	3) REL	15.341	355.400
TOTAL STATE	210.579	5398.818	TOTAL STATE	333.176	8250.291

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4469	4412	4372
MSGENCO Hydro	655	559	163
MSGENCO Gas	522	550	548
MSGENCO Total Generation	5646	5521	5083
Central Sector Receipt	5797	4999	4773
WIND	125	235	32
CPP / IPP	1740	1731	1412
Exchange with Mumbai	-468	-426	-113
MSEDCL DEMAND MET	12840	12113	11187
Load Shedding (LS)	1823	828	0
MSEDCL DEMAND (INCL. LS)	14663	12941	11187
TPCL GENERATION	1346	1387	532
REL GENERATION	528	527	529
TPCL+REL DEMAND	2342	2340	1174
STATE DEMAND MET	15182	14453	12361
Load Management (LM)	2375	3725	1754
Total Load Relief (LS+LM)	4198	4553	1754
UNRESTRICTED STATE DEMAND	19380	19006	14115
Frequency (Hz)	49.75	49.69	49.88

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.27 Hz at 08.02 Hrs	49.38 Hz at 09.12 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 25/Jan/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.14	42.10	153	105	120
Unit 6	1.71	32.36	134	0	0
Unit 7	3.95	99.96	180	150	170
Total	8.79	174.41			290
Bhusawal					
Unit 2	4.00	85.50	180	150	165
Unit 3	3.38	105.43	185	0	150
Unit 4		0.00	0	0	
Total	7.38	190.93			315
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.34	107.92	198	169	185
Unit 5	3.82	69.01	175	130	160
Unit 6	0.00	97.22	0	0	0
Unit 7	0.47	92.36	180	0	0
Total	8.64	366.50			345
Chandrapur					
Unit 1	3.49	91.05	149	139	150
Unit 2	0.00	87.35	0	0	0
Unit 3	3.60	94.75	175	126	140
Unit 4	4.72	125.00	202	186	200
Unit 5	11.09	183.41	480	450	450
Unit 6	10.27	257.85	460	396	450
Unit 7	11.18	242.94	485	430	475
Total	44.36	1082.35			1865
Paras					
Unit 3	5.57	138.42	252	187	250
Unit 4	5.26	134.18	251	178	250
Total	10.83	272.59			500
Khaparkheda					
Unit 1	0.00	0.00	0	0	0
Unit 2	4.42	110.47	190	170	180
Unit 3	4.14	116.46	191	161	180
Unit 4	5.26	126.30	222	214	210
Unit 5	0.00	85.53	0	0	
Total	13.82	438.76			570
Nasik					
Unit 3	5.20	125.22	220	210	210
Unit 4	4.74	121.32	210	166	210
Unit 5	3.53	80.36	174	0	210
Total	13.47	326.91			630
Uran					
All Units	13.08	342.04	568	522	525
Total	13.08	342.04			525
PENCH (MS)					
Pench (MS)	0.30	10.60	53	0	
Total	0.30	10.60			
Koyna					
Stage 1-2	2.26	55.60	310	40	600
Stage 4	0.55	20.99	255	0	250
Stage 3	0.84	17.66	160	0	320
Total	3.65	94.25			1170
Kovna 12&4 Total	2.81	76.59			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.47	11.73	20	19	18
VTRNA	1.01	24.07	61	0	61
TILLARI	0.39	9.99	60	0	60
BHTGR/VEER	0.13	11.25	6	5	5
BHIRA T.R.	0.32	5.79	81	0	80
RNGR+BHTSA	0.35	9.04	15	14	15
BHANDARDRA	0.72	6.52	30	30	31
ELDARY	0.33	3.08	14	13	15
SMLHY PTN	0.94	25.70	40	39	11
GHATGHAR	1.68	47.27	240	0	0
Total	6.34	154.43			296
Wind					
MalharPeth	0.23	3.72			
Vankuswadi	0.37	6.16			
ATIT	0.05	1.71			
Kale	0.17	2.15			
Satara	0.97	11.63			
Shirala	0.15	2.46			
K Mahankal	0.02	5.18			
Supa	0.10	2.06			
Vita	0.38	12.24			
Dondaicha	0.49	26.26			
Sakri	0.07	3.60			
Nandurbar	0.04	2.44			
Khandke	0.21	5.10			
Khaparale	0.10	3.84			
Total	3.35	88.55			
CPP					
JSW JAIGAD	24.35	566.08	1100	884	1098
WARDHA	7.31	191.70	332	259	330
Other CPPs	7.08	167.80			
Total	38.74	925.58			1428
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	97.29	0	0	0
Trombay 6	9.08	181.02	500	156	500
Trombay 7A	2.96	70.70	129	90	120
Trombay 7B	1.63	39.76	70	58	60
Trombay 8	5.51	139.04	250	176	250
TATA Hydro	5.97	106.25	442	0	447
Total	25.16	634.05			1377
REL					
1&2	12.67	296.86	529	527	500
Total	12.67	296.86			500
Cent Sect					
Share					5188
Total					5188

MS PG CL	Thermal	107.28	2852.45			4515
	Thml+Gas	120.36	3194.49			5040
	Hydro	10.00	248.68			1466
	Total	130.36	3443.17			6506
State Total		210.58	5398.82			14999

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 25/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	4423	225	545	5193	45	1499	4829	4919	-239	-246	11410	2001	11511	1395	14806	49.90
2	4386	193	546	5125	42	1443	4850	4749	-241	-187	11172	2003	11320	1262	14437	49.95
3	4420	164	546	5130	33	1411	4887	4780	-280	-141	11213	1711	11331	1205	14129	50.06
4	4372	163	548	5083	32	1412	4889	4773	-284	-113	11187	1754	11187	1174	14115	49.88
5	4363	184	544	5091	33	1424	4871	4983	-277	-111	11420	1903	11507	1180	14503	49.93
6	4466	274	547	5287	33	1559	4642	4951	-54	-97	11736	2469	12233	1306	15511	49.70
7	4422	213	548	5183	35	1649	5081	5139	-107	-135	11894	3527	13199	1519	16940	49.73
8	4478	432	542	5452	33	1688	5134	5642	-207	-174	12667	3947	14103	1714	18328	49.72
9	4469	945	568	5982	27	1690	5190	5379	-276	-372	12731	3973	14240	1950	18654	49.74
10	4459	1169	531	6159	37	1694	5498	5178	-474	-470	12623	4337	14510	2199	19159	49.62
11	4480	761	532	5773	110	1733	5783	5490	-583	-495	12629	4326	14584	2331	19286	49.76
12	4469	655	522	5646	125	1740	5813	5797	-600	-468	12840	4198	14663	2342	19380	49.75
13	4456	474	528	5458	140	1703	5909	5754	-651	-520	12535	4279	14442	2315	19129	49.76
14	4507	462	526	5495	143	1674	5899	5503	-579	-451	12364	3959	14007	2194	18517	49.82
15	4471	348	536	5355	133	1674	5776	6039	-547	-433	12768	3678	14292	2213	18659	49.75
16	4484	658	555	5697	160	1667	5637	5543	-563	-434	12633	3682	14295	2221	18536	49.74
17	4559	403	550	5512	211	1685	5106	4830	-574	-443	11795	4182	13531	2227	18204	49.71
18	4407	237	550	5194	213	1712	5019	4906	-504	-376	11649	4116	12819	2229	17994	49.94
19	4401	429	550	5380	244	1700	5143	5018	-509	-407	11968	4658	12931	2305	18931	49.78
20	4412	559	550	5521	235	1731	5237	4999	-564	-426	12113	4553	12941	2340	19006	49.69
21	4599	366	554	5519	316	1663	5142	4713	-473	-368	11896	4292	12488	2241	18429	49.77
22	4589	233	554	5376	343	1537	5117	4520	-371	-281	11520	3894	11740	2060	17474	49.73
23	4596	228	554	5378	343	1521	5004	4590	-287	-231	11615	3277	11615	1872	16764	49.87
24	4598	222	555	5375	286	1531	4741	4404	-271	-96	11500	2720	11500	1513	15733	49.90
MUs	107.29	10.00	13.08	130.36	3.35	38.74	125.20	122.60	-9.51	-7.48	287.88	83.44	310.99	45.31	416.62	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 25/Jan/2012

Position as on 6.30 Hrs of 26/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.	26/01/2012
Cent_Sect NTPC(K-1)	210	20/12/2011	13.44		Continued.	Annual Overhaul.	30/01/2012
Khaparkheda Unit 1	210	31/12/2011	02.37		Continued.	Annual Overhaul	10/02/2012
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	29/02/2012
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	
Koradi Unit 6	210	11/01/2012	00.20	25/01/2012	08.12	W/Dn,by Mahagenco.	
CPP WPCL U-4	135	21/01/2012	14.10		Continued.	Boiler Conseovator Problem.	
Parli Unit 7	250	22/01/2012	01.33	25/01/2012	18.58	Boiler Tube Leakage.	
Khaparkheda Unit 5	500	22/01/2012	19.32		Continued.	Primary water low.	
Parli Unit 6	250	23/01/2012	13.06		Continued.	Boiler Tube Leakage.	27/01/2012
Chandrapur Unit 2	210	24/01/2012	09.04		Continued.	Condensate extraction pump tripped.	27/01/2012
Bhusawal Unit 3	210	25/01/2012	17.02	25/01/2012	19.35	Coal mill problem.	
Nasik Unit 5	210	25/01/2012	22.00		Continued.	H.P.control valve problem.	27/01/2012

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 25/Jan/2012

Position as on 6.30 Hrs of 26/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
Halkarni-Amona I	23/01/2012	07.35	25/01/2012	20.03	Erection of in line tower jumpering for LILO arrangement for 220KV Konalkatta S/S.
Tillary-Amona	23/01/2012	07.40	25/01/2012	20.01	Erection of in line tower jumpering for LILO arrangement for 220KV Konalkatta S/S.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Parly(PG) - Wardha (PG) - I	11/01/2012	18.16		Continued.	Over Voltage.
Akola - Wardha - II	22/01/2012	21.58		Continued.	Over Voltage.
Kolhapur-Mapusa-II	23/01/2012	22.07		Continued.	Over Voltage.
Akola-Aurangabad--II	24/01/2012	21.06	25/01/2012	07.42	Over Voltage.
Dhule-Sar'Sarovar - I	24/01/2012	22.31	25/01/2012	09.26	Over Voltage.
Akola - Aurangabad - I	25/01/2012	22.23		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	26/01/2012	01.35		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Main Bus - II @ 400 KV Bhusawal	24/01/2012	10.45	24/01/2012	Continued.	Foe replacement of M.B.II PT isolator and M.B.II isolator of TBC under LES.
400/220 KV 315 MVA ICT-III @ Lonikand.	25/01/2012	11.03		Continued.	To attend hot spot R ph.B bus isolator. (ICT taken on TBC.)
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
Main Bus-I at Koradi.	23/01/2012	14.00		Continued.	Replacement of 29A isolator.
220 KV TBC @ Bhusawal - II	24/01/2012	10.50		Continued.	Foe replacement of M.B.II PT isolator and M.B.II isolator of TBC under LES.
Kalwa - Salshet - III	24/01/2012	11.35		Continued.	Replacement of 29A and B isolator, line taken on TBC.
220/100KV 200MVA T/F - I at Apta	25/01/2012	07.18	25/01/2012	19.38	Erection of CIR system.
Karad-Wathar	25/01/2012	09.00	25/01/2012	16.25	Replaement of old disc insulator.
Main Bus at Malinagar	25/01/2012	10.15	25/01/2012	17.50	Q.M.Work
P'pur-Malinagar	25/01/2012	10.15	25/01/2012	17.25	Replacement of disc insulator.
Koradi-Butibori	25/01/2012	10.16	25/01/2012	18.09	Stringing work of 220KV D/C SEZ line.
Abhijeet-Wardha-I	25/01/2012	10.30	25/01/2012	17.17	Stringing work of 220KV D/C SEZ line.
Chandrapur-Gadchandur	25/01/2012	13.23		Continued.	Retrofitting OD dist.prot. relay.
Khapakheda - Koulawada - II	25/01/2012	13.40	25/01/2012	16.44	Q.M.Work
Main Bus- II @ Lamboti	25/01/2012	16.30	25/01/2012	17.30	Q.M.Work
Borivali-Kalwa	25/01/2012	23.30	26/01/2012	04.31	Insulators insertion on 220KV cable

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 25/Jan/2012

Position as on 6.30 Hrs of 26/Jan/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
					terminations (6 Nos.)under bypassed Bus section Gantry.
Main Bus - I @ Borivali	25/01/2012	23.41	26/01/2012	04.35	Insulators insertion on 220KV cable terminations (6 Nos.)under bypassed Bus section Gantry.
Borivali - Bhandup (GIC)	25/01/2012	23.41	26/01/2012	04.40	Insulators insertion on 220KV cable terminations (6 Nos.)under bypassed Bus section Gantry.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Amravati - Achalpur	16/01/2012	10.10		Continued.	Main bkr.maint.work.
Ambazari-Kalmeshwar	25/01/2012	08.49	25/01/2012	19.35	Stringing work of New 220KV Koradi(New)-Butibori III D/C line.
Kanhan - Mansar.	25/01/2012	11.59	25/01/2012	15.53	Attending air leakage problem of CB.
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 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.
Bhusawal- Aurangabad	24/01/2012	16.37	25/01/2012	07.27	Over Voltage.
Karad - Kolhapur - I	24/01/2012	21.55	25/01/2012	07.34	Over Voltage.
Bhusawal- Aurangabad	25/01/2012	16.34		Continued.	Over Voltage.
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 500 MVA ICT-I @ Deepnagar	26/01/2012	04.23	26/01/2012	05.38	Bus fault.
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 - Miraj	24/01/2012	19.47	25/01/2012	21.09	Distance protection.
Main Bus at Deepnagar	26/01/2012	04.23	26/01/2012	05.38	B ph.CT of 220KV Deepnagar-Bambhori line burst.
Amalner-Deepnagar	26/01/2012	04.23	26/01/2012	05.35	B ph.C.T.burst.
Deepnagar - Bambhori	26/01/2012	04.23		Continued.	B ph.C.T.burst.
Deepnagar-Jalgaon	26/01/2012	04.23	26/01/2012	04.50	B ph.C.T.burst.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 26/Jan/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	140
Unit 6	210	135
Unit 7	210	180
	620	455
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	160
Unit 6	250	0
Unit 7	250	180
	1130	535
Chandrapur		
Unit 1	210	150
Unit 2	210	0
Unit 3	210	160
Unit 4	210	205
Unit 5	500	470
Unit 6	500	435
Unit 7	500	475
	2340	1895
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	0
Unit 2	210	190
Unit 3	210	180
Unit 4	210	210
Unit 5	500	
	1340	580
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	0
	630	420
Uran		
All Units	852	560
	852	560
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	6
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	30
ELDARY	23	14
SMLHY PTN	12	11
GHATGHAR	250	0
	611	296
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	960
WARDHA	405	289
Other CPPs	0	
	1005	1249
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	4418
	3455	4418

	17900	7 of 7 14315
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