



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

State Load Dispatch Center, Airoli

Daily system Report

for

26/Jan/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 26/Jan/2012 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	114.284	2966.736	1) Gujrat	4.976	142.408
2) Hydro	9.358	258.038	2) Madhya Pradesh	20.021	538.627
3) Gas	13.375	355.412	3) Chattisgarh	12.020	322.100
Total MSGENCO	137.017	3580.186	4) Maharashtra	40.542	1256.188
B) OTHERS			5) Goa	-4.856	-143.330
1) JSW JAIGAD	24.969	591.053	6) TAPS 1&2 Injection	7.782	200.914
2) WPCL	6.394	198.089	7) RGPPL Injection	24.634	647.977
3) Other CPP / IPP	6.866	174.671	8) Pench (Excess)	-0.498	-8.816
4) Wind Generation	1.763	90.313	# Total Cent. Sector	104.621	2956.068
5) PENCH (MS)	0.498	11.099	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-5.319	-149.656
1) TPCL Thermal	15.547	543.348	G) Bilateral Power *		
2) TPCL Hydro	3.674	109.922	1) MSEDCL Bilateral	30.803	990.589
TOTAL TPCL	19.221	653.270	Include PX	-2.359	57.033
3) REL Thermal	12.665	309.530	2) MUMBAI Bilateral	5.796	202.223
D) STATE			Include PX	-4.974	-90.985
1) Thermal (A1+C1+C3)	142.496	3819.614	3) MUMBAI Schedule	5.796	207.465
2) Hydro (A2+B5+C2)	13.530	379.059	H) ENERGY CATERED (MUs)		
3) Gas (A3)	13.375	355.412	1) MSEDCL	276.809	7451.823
4) Wind (B4)	1.763	90.313	2) TPCL	24.548	744.425
5) CPP (B1+B2+B3)	38.229	963.813	3) REL	12.654	368.054
TOTAL STATE	209.393	5608.211	TOTAL STATE	314.011	8564.302

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 8 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4798	4718	4667
MSGENCO Hydro	942	355	162
MSGENCO Gas	560	552	558
MSGENCO Total Generation	6300	5625	5387
Central Sector Receipt	4694	4309	4325
WIND	62	50	157
CPP / IPP	1627	1608	1496
Exchange with Mumbai	-154	-412	-96
MSEDCL DEMAND MET	12577	11205	11269
Load Shedding (LS)	567	227	11
MSEDCL DEMAND (INCL. LS)	13144	11432	11280
TPCL GENERATION	799	947	605
REL GENERATION	528	528	528
TPCL+REL DEMAND	1481	1887	1229
STATE DEMAND MET	14058	13092	12498
Load Management (LM)	1860	3042	1458
Total Load Relief (LS+LM)	2427	3269	1469
UNRESTRICTED STATE DEMAND	16485	16361	13967
Frequency (Hz)	49.65	49.89	49.96

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.32 Hz at 23.40 Hrs	49.28 Hz at 06.11 Hrs	49.87	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 26/Jan/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.72	45.82	170	137	140
Unit 6	3.85	36.21	180	135	135
Unit 7	4.48	104.44	205	170	180
Total	12.05	186.46			455
Bhusawal					
Unit 2	4.09	89.59	180	155	180
Unit 3	4.22	109.66	185	170	180
Unit 4		0.00	0	0	
Total	8.32	199.24			360
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.71	112.62	203	189	195
Unit 5	3.88	72.90	175	146	160
Unit 6	0.00	97.22	0	0	0
Unit 7	5.16	97.52	249	178	180
Total	13.76	380.26			535
Chandrapur					
Unit 1	3.59	94.64	157	138	150
Unit 2	0.06	87.41	44	0	0
Unit 3	3.93	98.68	173	153	160
Unit 4	4.81	129.81	207	195	205
Unit 5	11.37	194.78	480	460	470
Unit 6	10.19	268.04	450	358	435
Unit 7	10.81	253.75	480	425	475
Total	44.76	1127.11			1895
Paras					
Unit 3	5.88	144.30	262	228	250
Unit 4	5.76	139.94	257	220	250
Total	11.64	284.23			500
Khaparkheda					
Unit 1	0.00	0.00	0	0	0
Unit 2	4.23	114.70	188	167	190
Unit 3	4.08	120.53	187	145	180
Unit 4	5.31	131.61	224	219	210
Unit 5	0.00	85.53	0	0	
Total	13.62	452.38			580
Nasik					
Unit 3	5.26	130.48	220	215	210
Unit 4	4.89	126.21	211	194	210
Unit 5	0.00	80.36	0	0	0
Total	10.15	337.05			420
Uran					
All Units	13.38	355.41	565	550	560
Total	13.38	355.41			560
PENCH (MS)					
Pench (MS)	0.50	11.10	51	0	
Total	0.50	11.10			
Koyna					
Stage 1-2	1.95	57.56	550	40	600
Stage 4	0.51	21.50	272	0	250
Stage 3	0.44	18.10	160	0	320
Total	2.90	97.15			1170
Kovna 12&4 Total	2.46	79.05			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.47	12.20	20	19	20
VTRNA	1.04	25.11	61	0	60
TILLARI	0.38	10.38	60	0	60
BHTGR/VEER	0.12	11.36	5	4	6
BHIRA T.R.	0.32	6.11	80	0	80
RNGR+BHTSA	0.33	9.37	15	13	15
BHANDARDRA	0.73	7.25	31	30	30
ELDARY	0.33	3.41	14	13	14
SMLHY PTN	1.02	26.73	51	39	11
GHATGHAR	1.72	48.98	240	0	0
Total	6.46	160.89			296
Wind					
MalharPeth	0.10	3.83			
Vankuswadi	0.18	6.34			
ATIT	0.02	1.72			
Kale	0.06	2.22			
Satara	0.35	11.98			
Shirala	0.04	2.50			
K Mahankal	0.00	5.18			
Supa	0.06	2.12			
Vita	0.18	12.41			
Dondaicha	0.40	26.66			
Sakri	0.11	3.71			
Nandurbar	0.07	2.51			
Khandke	0.10	5.20			
Khaparale	0.08	3.92			
Total	1.76	90.31			
CPP					
JSW JAIGAD	24.97	591.05	1069	972	960
WARDHA	6.39	198.09	292	257	289
Other CPPs	6.87	174.67			
Total	38.23	963.81			1249
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	97.29	0	0	0
Trombay 6	5.04	186.06	334	157	500
Trombay 7A	3.06	73.76	130	124	120
Trombay 7B	1.66	41.42	70	69	60
Trombay 8	5.79	144.82	250	177	250
TATA Hydro	3.67	109.92	397	0	447
Total	19.22	653.27			1377
REL					
1&2	12.66	309.53	529	527	500
Total	12.66	309.53			500
Cent Sect					
Share					4418
Total					4418

MS PG CL	Thermal	114.28	2966.74			4745
	Thml+Gas	127.66	3322.15			5305
	Hydro	9.36	258.04			1466
	Total	137.02	3580.19			6771
State Total		209.39	5608.21			14315

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 26/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	4666	222	558	5446	193	1601	4649	4258	-202	-210	11288	1662	11299	1450	14400	49.78
2	4681	167	558	5406	174	1521	4540	4246	-142	-74	11273	1624	11284	1302	14199	49.84
3	4667	162	558	5387	157	1496	4496	4325	-156	-96	11269	1469	11280	1229	13967	49.96
4	4641	167	559	5367	130	1513	4544	4460	-156	-122	11348	1636	11359	1186	14170	49.98
5	4624	168	561	5353	114	1526	4547	4559	-146	-122	11430	1649	11441	1193	14272	49.90
6	4658	430	562	5650	104	1612	4491	4758	5	-110	12024	1718	12048	1289	15031	49.72
7	4759	1119	561	6439	80	1649	4510	4632	-91	-113	12734	1993	13023	1421	16148	49.64
8	4798	942	560	6300	62	1627	4574	4694	-133	-154	12577	2427	13144	1481	16485	49.65
9	4788	625	559	5972	40	1626	4629	4651	-186	-209	12131	2534	12701	1600	16265	49.72
10	4786	707	557	6050	32	1624	4679	4516	-239	-141	12132	2323	12569	1717	16172	49.72
11	4864	779	558	6201	29	1622	4439	4610	-260	-147	12366	1983	12572	1724	16073	49.76
12	4884	646	558	6088	31	1617	4466	4743	-246	-152	12378	2001	12582	1723	16102	49.87
13	4885	363	558	5806	44	1619	4582	4981	-406	-239	12258	1972	12434	1693	15923	49.84
14	4856	232	555	5643	48	1614	4561	4955	-369	-249	12036	1922	12205	1610	15568	49.92
15	4825	228	558	5611	38	1616	4514	4861	-316	-190	11944	1789	12089	1555	15288	50.01
16	4827	228	550	5605	28	1615	4484	4922	-295	-160	12010	1449	12146	1503	14962	49.91
17	4804	232	552	5588	37	1614	4368	4215	-279	-214	11240	1375	11380	1508	14123	49.89
18	4733	234	553	5520	54	1613	4321	3681	-282	-292	10576	1789	10655	1570	13935	50.03
19	4752	355	551	5658	64	1594	4222	4131	-250	-336	11151	2033	11173	1747	14931	49.94
20	4718	355	552	5625	50	1608	4449	4309	-324	-412	11205	3269	11432	1887	16361	49.89
21	4795	292	553	5640	69	1613	4443	3924	-324	-392	10874	3186	11017	1871	15931	49.90
22	4777	241	556	5574	71	1634	4281	3363	-382	-454	10205	3144	10306	1792	15141	49.99
23	4764	222	565	5551	48	1527	4171	3391	-361	-371	10153	2847	10248	1651	14651	49.97
24	4733	242	563	5538	66	1528	4282	3440	-255	-360	10212	2378	10268	1503	14093	50.12
MUs	114.28	9.36	13.38	137.02	1.76	38.23	107.24	104.62	-5.80	-5.32	276.81	50.17	280.66	37.20	364.19	49.87

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 26/Jan/2012

Position as on 6.30 Hrs of 27/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	
CPP WPCL U-4	135	21/01/2012	14.10		Continued.	Boiler Conseovator Problem.	
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	26/01/2012	22.17	Condensate extraction pump tripped.	
Nasik Unit 5	210	25/01/2012	22.00		Continued.	H.P.control valve problem.	27/01/2012
Uran Unit 6	108	27/01/2012	00.22		Continued.	Filter Replacement.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 26/Jan/2012

Position as on 6.30 Hrs of 27/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		
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 - I	25/01/2012	22.23	26/01/2012	08.39	Over Voltage.
Dhule-Sar'Sarovar - II	26/01/2012	01.35		Continued.	Over Voltage.
Akola - Aurangabad - II	26/01/2012	22.15		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.
Chandrapur-Gadchandur	25/01/2012	13.23		Continued.	Retrofitting OD dist.prot. relay.
Borivali-Kalwa	25/01/2012	23.30	26/01/2012	04.31	Insulators insertion on 220KV cable 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.
Dahanu-Ghodbandar-II	26/01/2012	09.20	26/01/2012	13.20	Erection of Crossarm of 220KV Borivali-Boiser Line.
Lote - N.Koyna	26/01/2012	10.05	26/01/2012	13.10	R Ph. C T Leakage @ Lote.
Chakan - Mahindra Vechicles	26/01/2012	10.29	26/01/2012	16.20	Bus P T Replacement Work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Amravati - Achalpur	16/01/2012	10.10		Continued.	Main bkr.maint.work.
Main Bus @ Mehkar	24/01/2012	15.15	26/01/2012	11.24	Erection of New P T Structure.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Chinchwad - Talegaon	25/11/2011	11.29		Continued.	Line Strengthening.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 26/Jan/2012

Position as on 6.30 Hrs of 27/Jan/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
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	25/01/2012	16.34	26/01/2012	07.40	Over Voltage.
Bhusawal- Aurangabad	26/01/2012	16.58		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	26/01/2012	20.51		Continued.	Over Voltage.
C'pur-Parli II	26/01/2012	22.01	27/01/2012	06.05	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.
Bableshtar-Aurangabad	26/01/2012	21.47	26/01/2012	22.47	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).
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	26/01/2012	19.34	B ph.C.T.burst.
Deepnagar-Jalgaon	26/01/2012	04.23	26/01/2012	04.50	B ph.C.T.burst.
Jejuri - Parvati	27/01/2012	04.11	27/01/2012	04.53	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 27/Jan/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	150
Unit 6	210	160
Unit 7	210	180
	620	490
Bhusawal		
Unit 2	210	180
Unit 3	210	180
Unit 4	500	
	920	360
Parli		
Unit 3	210	0
Unit 4	210	200
Unit 5	210	155
Unit 6	250	0
Unit 7	250	180
	1130	535
Chandrapur		
Unit 1	210	160
Unit 2	210	65
Unit 3	210	170
Unit 4	210	210
Unit 5	500	475
Unit 6	500	375
Unit 7	500	450
	2340	1905
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	0
Unit 2	210	170
Unit 3	210	170
Unit 4	210	170
Unit 5	500	
	1340	510
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	0
	630	420
Uran		
All Units	852	470
	852	470
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	
SMLHY PTN	12	26
GHATGHAR	250	
	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	1075
WARDHA	405	330
Other CPPs	0	
	1005	1405
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	5036
	3455	5036