



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

State Load Dispatch Center, Airoli

Daily system Report

for

26/Feb/2012

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	121.128	3205.910	1) Gujrat	10.258	160.529
2) Hydro	4.969	224.620	2) Madhya Pradesh	22.121	530.017
3) Gas	9.879	296.358	3) Chattisgarh	13.340	332.580
Total MSGENCO	135.976	3726.888	4) Maharashtra	52.845	1274.464
B) OTHERS			5) Goa	-6.179	-166.064
1) JSW JAIGAD	25.788	635.631	6) TAPS 1&2 Injection	7.810	202.456
2) WPCL	7.281	203.302	7) RGPPL Injection	23.413	617.113
3) Other CPP / IPP	7.513	189.558	8) Pench (Excess)	-0.558	-12.148
4) Wind Generation	2.319	99.651	# Total Cent. Sector	123.050	2938.947
5) PENCH (MS)	0.558	12.541	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-4.465	-204.517
1) TPCL Thermal	23.172	544.048	G) Bilateral Power *		
2) TPCL Hydro	0.924	103.133	1) MSEDCL Bilateral	30.282	872.459
TOTAL TPCL	24.096	647.181	Include PX	2.355	27.512
3) REL Thermal	12.415	323.150	2) MUMBAI Bilateral	8.841	215.301
D) STATE			Include PX	-1.677	-61.770
1) Thermal (A1+C1+C3)	156.715	4073.108	3) MUMBAI Schedule	8.841	239.065
2) Hydro (A2+B5+C2)	6.451	340.294	H) ENERGY CATERED (MUs)		
3) Gas (A3)	9.879	296.358	1) MSEDCL	298.020	7602.001
4) Wind (B4)	2.319	99.651	2) TPCL	27.241	786.151
5) CPP (B1+B2+B3)	40.582	1028.491	3) REL	13.733	387.519
TOTAL STATE	215.946	5837.902	TOTAL STATE	338.994	8775.671

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4968	5070	5066
MSGENCO Hydro	296	178	119
MSGENCO Gas	418	402	418
MSGENCO Total Generation	5682	5650	5603
Central Sector Receipt	5883	5101	4887
WIND	56	143	129
CPP / IPP	1768	1809	1549
Exchange with Mumbai	-242	-333	-158
MSEDCL DEMAND MET	13197	12420	12010
Load Shedding (LS)	1780	411	221
MSEDCL DEMAND (INCL. LS)	14977	12831	12231
TPCL GENERATION	1082	1184	806
REL GENERATION	528	528	466
TPCL+REL DEMAND	1852	2045	1430
STATE DEMAND MET	15049	14465	13440
Load Management (LM)	2122	3575	1715
Total Load Relief (LS+LM)	3902	3986	1936
UNRESTRICTED STATE DEMAND	18951	18451	15376
Frequency (Hz)	49.85	49.91	50.08

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.48 Hz at 06.03 Hrs	49.34 Hz at 00.05 Hrs	49.91	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/Feb/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	68.64	0	0	0
Unit 6	3.31	90.16	150	111	140
Unit 7	3.50	101.02	155	135	145
Total	6.81	259.82			285
Bhusawal					
Unit 2	2.54	102.07	170	0	0
Unit 3	4.36	90.56	190	175	180
Unit 4	0.00	1.50	0	0	
Total	6.90	194.12			180
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.27	113.58	189	149	90
Unit 5	3.65	97.95	166	123	165
Unit 6	4.09	102.99	213	129	170
Unit 7	4.09	122.90	187	160	160
Total	16.10	437.41			585
Chandrapur					
Unit 1	3.87	72.56	166	158	160
Unit 2	4.04	103.38	173	159	170
Unit 3	0.60	102.08	177	0	0
Unit 4	4.72	126.30	207	188	210
Unit 5	10.98	286.06	470	435	475
Unit 6	10.98	274.04	475	445	460
Unit 7	9.98	257.55	454	401	425
Total	45.17	1221.97			1900
Paras					
Unit 3	5.83	129.48	256	229	250
Unit 4	5.82	141.44	258	228	250
Total	11.65	270.92			500
Khaparkheda					
Unit 1	5.23	118.62	295	210	210
Unit 2	4.36	100.20	190	160	190
Unit 3	5.15	117.73	225	208	210
Unit 4	5.31	134.87	224	219	210
Unit 5	0.00	41.94	0	0	
Total	20.04	513.36			820
Nasik					
Unit 3	5.15	129.21	220	210	210
Unit 4	4.54	102.39	202	127	200
Unit 5	4.76	76.70	208	183	210
Total	14.45	308.30			620
Uran					
All Units	9.88	296.36	419	402	410
Total	9.88	296.36			410
PENCH (MS)					
Pench (MS)	0.56	12.54	50	0	
Total	0.56	12.54			
Koyna					
Stage 1-2	1.84	51.18	315	35	600
Stage 4	0.00	21.79	0	0	250
Stage 3	0.19	15.75	132	0	320
Total	2.04	88.73			1170
Kovna 12&4 Total	1.84	72.97			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.47	8.05	20	19	20
VTRNA	0.00	16.03	0	0	0
TILLARI	0.37	9.12	60	0	60
BHTGR/VEER	0.00	4.32	0	0	0
BHIRA T.R.	0.08	5.89	40	0	40
RNGR+BHTSA	0.31	9.10	14	13	12
BHANDARDRA	0.00	10.55	0	0	0
ELDARY	0.29	4.70	14	1	0
SMLHY PTN	0.85	24.62	36	35	15
GHATGHAR	0.56	43.51	136	0	0
Total	2.93	135.89			147
Wind					
MalharPeth	0.13	4.51			
Vankuswadi	0.26	6.77			
ATIT	0.02	1.90			
Kale	0.11	2.51			
Satara	0.30	12.84			
Shirala	0.11	2.88			
K Mahankal	0.29	5.25			
Supa	0.13	2.87			
Vita	0.25	12.25			
Dondaicha	0.35	31.42			
Sakri	0.09	4.05			
Nandurbar	0.03	3.10			
Khandke	0.16	5.92			
Khaparale	0.08	3.38			
Total	2.32	99.65			
CPP					
JSW JAIGAD	25.79	635.63	1166	964	1055
WARDHA	7.28	203.30	330	259	330
Other CPPs	7.51	189.56			
Total	40.58	1028.49			1385
Tata					
Trombay 4	0.00	1.57	0	0	0
Trombay 5	9.71	132.04	497	285	500
Trombay 6	3.75	152.02	166	154	500
Trombay 7A	2.66	72.73	129	83	120
Trombay 7B	1.54	41.21	70	56	60
Trombay 8	5.51	144.47	248	176	250
TATA Hydro	0.92	103.13	146	0	447
Total	24.10	647.18			1877
REL					
1&2	12.42	323.15	530	458	500
Total	12.42	323.15			500
Cent Sect					
Share					4712
Total					4712

MS PG CL	Thermal	121.13	3205.91			4890
	Thml+Gas	131.01	3502.27			5300
	Hydro	4.97	224.62			1317
	Total	135.98	3726.89			6617
State Total		215.95	5837.90			15091

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 26/Feb/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	5280	170	418	5868	144	1619	4413	4934	-438	-277	12288	2196	12427	1654	16138	49.77
2	5121	120	416	5657	157	1544	4367	4832	-435	-224	11966	2212	12170	1528	15706	49.87
3	5066	119	418	5603	129	1549	4341	4887	-254	-158	12010	1936	12231	1430	15376	50.08
4	4982	120	417	5519	155	1526	4371	4896	-249	-94	12002	2117	12230	1364	15483	50.01
5	4900	124	412	5436	140	1538	4384	5147	-233	-91	12170	2155	12419	1361	15686	49.95
6	4892	129	412	5433	131	1691	4394	5416	-233	-141	12530	2436	12960	1443	16409	50.06
7	4938	136	411	5485	135	1687	4509	5280	-259	-86	12526	3111	13569	1493	17130	49.95
8	4950	126	410	5486	144	1716	4707	5796	-291	-78	13089	3750	14463	1524	18363	50.01
9	4936	134	412	5482	111	1732	4836	5788	-328	-116	13005	3717	14392	1611	18333	49.96
10	4956	360	416	5732	91	1697	4899	5563	-376	-159	12924	4060	14733	1715	18699	49.81
11	5015	345	419	5779	92	1731	5062	5570	-440	-203	12995	4024	14907	1803	18822	49.91
12	4968	296	418	5682	56	1768	5081	5883	-440	-242	13197	3902	14977	1852	18951	49.85
13	5049	417	416	5882	39	1822	5080	5441	-440	-254	12980	4100	14957	1862	18942	49.81
14	5073	580	416	6069	35	1792	5128	5160	-440	-151	12955	3812	14702	1813	18580	49.92
15	5171	269	416	5856	32	1716	5091	5503	-392	-126	13031	3525	14632	1782	18338	50.06
16	5097	121	408	5626	26	1713	4983	5200	-360	-91	12489	3517	14199	1749	17755	49.90
17	5097	155	406	5658	29	1718	4647	4623	-328	-67	11973	3886	13615	1718	17577	49.94
18	5096	166	407	5669	59	1733	4647	4378	-328	-100	11739	3577	12618	1732	17048	50.08
19	5093	197	408	5698	103	1740	4748	4540	-397	-164	11965	4063	12496	1818	17846	49.90
20	5082	273	406	5761	113	1751	4914	4212	-440	-363	11523	4048	11973	2052	17623	49.78
21	5070	178	402	5650	143	1809	4895	5101	-440	-333	12420	3986	12831	2045	18451	49.91
22	5145	110	404	5659	122	1710	4927	4862	-440	-337	12066	3657	12172	1974	17697	49.84
23	5106	127	406	5639	74	1641	4843	4994	-440	-302	12071	3411	12071	1868	17350	49.77
24	5045	197	405	5647	59	1639	4632	5042	-424	-308	12104	2842	12104	1785	16731	49.75
MUs	121.1 3	4.97	9.88	135.98	2.32	40.58	113.90	123.05	-8.84	-4.46	298.02	80.04	319.85	40.98	419.03	49.91

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/Feb/2012

Position as on 6.30 Hrs of 27/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.	01/03/2012
Cent_Sect NTPC(K-1)	210	20/12/2011	13.44		Continued.	Annual Overhaul.	25/02/2012
Koyna Unit 3	75	26/02/2012	07.05	26/02/2012	17.00	Preventive Maint.Work.	
Koyna Unit 9	80	27/02/2012	06.30		Continued.	To Attend Transformer Y Ph.Oil Leakage.	
FORCED OUTAGE							
Dabhol 3B	230	04/02/2012	23.43		Continued.	Gas Shortage	
Khaparkheda Unit 5	500	13/02/2012	22.18		Continued.	Low Vaccum.	
Tata Trombay 4	150	14/02/2012	00.08		Continued.	Withdran.	
Dabhol 3A	230	21/02/2012	21.58		Continued.	Gas shortage.	
Dabhol 3X	290	21/02/2012	21.58		Continued.	Gas shortage.	
Uran Unit 5	108	23/02/2012	11.35		Continued.	Gas Shortage	
Cent_Sect NTPC(V-6)	210	24/02/2012	22.08	26/02/2012	07.10	Boiler Tube Leakage	
Koradi Unit 5	200	24/02/2012	23.46	27/02/2012	03.12	Boiler Tube Leakage	
Cent_Sect NTPC(V) 9	500	24/02/2012	23.59	26/02/2012	02.25	Boiler Tube Leakage	
Bhusawal Unit 4	500	25/02/2012	13.10		Continued.	Classa Protection Operated.	
Bhusawal Unit 2	210	26/02/2012	01.19	26/02/2012	09.11	Drum Level Low.	
Chandrapur Unit 3	210	26/02/2012	04.03		Continued.	Boiler Validity Extenasion.	09/03/2012
Koyna Unit 3	75	26/02/2012	18.40	27/02/2012	00.35	To Attend Gen.Cooler Leakage.	

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

Position as on 6.30 Hrs of 27/Feb/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Akola - Wardha - I	26/02/2012	07.38	26/02/2012	22.39	OCCM For Construction Work.
Akola - Wardha - II	26/02/2012	07.38		Continued.	OCCM For Construction Work.
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	15/02/2012	17.03	26/02/2012	06.49	Over Voltage
Dhule-Sar'Sarovar - I	21/02/2012	23.35	26/02/2012	06.49	Over Voltage.
Kolhapur - Mapusa - I	25/02/2012	21.56		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	26/02/2012	15.36		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Nasik-Navsari-I	26/02/2012	11.52	26/02/2012	12.45	Bus Bar Protection Operated @ Navasari End.
Nasik-Navsari -II	26/02/2012	11.52	26/02/2012	12.45	Bus Bar Protection Operated @ Navasari End.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Kalwa-Kharghar	22/02/2012	10.30		Continued.	Taken on TBC,connection IPS tube.
400/220KV 500MVA ICT-III at Bableshwar	25/02/2012	09.35		Continued.	Luonasense Insulator Rectification for ICT - III.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
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
Uran-Kharghar-II	15/02/2012	07.42		Continued.	Mumbai system strengthening work
Khargar-Topworth	15/02/2012	07.47		Continued.	Mumbai system strengthening work
Kharghar-TSS	18/02/2012	08.52		Continued.	Temporary Reconfigured as Uran-TSS @ 20.30 DT 18.02.2012.
Uran - Kharghar - I	19/02/2012	07.50		Continued.	Mumbai System Strengthening Work.
220/132 KV 100 MVA T/F - I @ Oglewadi	20/02/2012	11.50		Continued.	Replacement of CTR valve and attending oil leakage.
220/6.6KV,40MVA Stn..T/F-II at Korady	21/02/2012	11.03		Continued.	Tan delta of CT and Q.M.Work
Kalwa - Khargar	21/02/2012	12.24		Continued.	Mumbai system strengthening work.
Trombay - Sonkar	23/02/2012	07.05		Continued.	To replace old Rusted Tower
Trombay - Tifil	23/02/2012	07.14		Continued.	To replace old Rusted Tower
220/132KV 100MVA ICT @ Bhugaon	23/02/2012	18.35		Continued.	Main Breaker Compressor Prob.(ICT is on TBC)
Main Bus - II at Bhoisor	24/02/2012	13.00		Continued.	B Bus PT replacement
Trombay - Salsett - I	26/02/2012	06.04	26/02/2012	19.08	Conductor Shifting Work Bet.Loc.23 & 32.
Trombay - Tata Tie - II	26/02/2012	06.25	26/02/2012	13.05	Due to Outage of M.B.-II.
Boiser-Versova	26/02/2012	07.50	27/02/2012	01.24	Installation of Comissioning of C V T @ Boiser S/S.

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

Position as on 6.30 Hrs of 27/Feb/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Main Bus - II Trombay (Tata)	26/02/2012	08.20	26/02/2012	13.00	Coper Job to Facilitate Erection of New Bay.
220/33 KV 100 MVA T/F - III @ Versova	26/02/2012	09.03	26/02/2012	17.05	Annual Maint.Work.
Inter Connector @ Kalwa	26/02/2012	15.03	26/02/2012	16.02	For Removing Oil Tank.
Boisor-Versova	27/02/2012	01.53	27/02/2012	02.56	Hot Spot Attending of CVT Jumper.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Amravati - Achalpur	16/01/2012	10.10		Continued.	Breaker Problem(Ckt is on TBC)
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Aurangabad-Deepnagar-II	16/02/2012	16.56		Continued.	Over Voltage.
Bhusawal- Aurangabad	25/02/2012	16.39		Continued.	Over Voltage.
Karad - Kolhapur - I	25/02/2012	16.40	26/02/2012	09.00	Over Voltage.
Karad - Kolhapur - I	26/02/2012	16.18		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Bale-Murud	22/02/2012	22.00		Continued.	Due to Lomboti ICT loading.
Chandrapur - Warora	23/02/2012	21.15		Continued.	To Control Warora-Wardha Line Loading.
Babaleshwar - Alephata	25/02/2012	06.31		Continued.	To Control ICT Loading @ Bbl.
Babaleshwar - Ranjangaon	25/02/2012	06.42		Continued.	To Control ICT Loading @ Bbl.
Babaleshwar - Bhenda	25/02/2012	07.01		Continued.	To Control ICT Loading @ Bbl.
Aurangabad - Babaleshwar	26/02/2012	09.43		Continued.	In View of H/T @ Bblr ICT U/O.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	21/01/2012	03.36		Continued.	Buchholz Alarm Persist.
Khadka - Deepnagar - II	26/02/2012	13.56	26/02/2012	15.49	D T Received @ Bhusawal During Testing of U-5 @ Deepnagar.
400/220 KV 315 MVA ICT-II @ Dhule	26/02/2012	15.06	27/02/2012	03.36	PRV.
400/220 KV 315 MVA ICT-I @ Dhule	26/02/2012	15.06	26/02/2012	15.36	Over Load.
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).
Parli(Ext.)-Beed I	26/02/2012	02.57	26/02/2012	04.20	Distance Protection.
New Parly - Beed - I	26/02/2012	02.58	26/02/2012	04.20	Distance Protection Operated.
Dhule - Malegaon	26/02/2012	15.06	26/02/2012	15.32	Power Swing Block Operated.
Voltage Level : 132KV			Outage Type TRIPPED		
Yawal-chopda	25/02/2012	00.35		Continued.	B Phase PT Burst at Chopda end
Voltage Level : 100KV			Outage Type TRIPPED		
Kalwa-Nocil I	26/02/2012	13.12	26/02/2012	13.31	Distance Protection.
Kalwa-Nocil II	26/02/2012	13.12	26/02/2012	13.35	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 27/Feb/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	87
Unit 6	210	152
Unit 7	210	138
	620	377
Bhusawal		
Unit 2	210	165
Unit 3	210	180
Unit 4	500	
	920	345
Parli		
Unit 3	210	0
Unit 4	210	185
Unit 5	210	150
Unit 6	250	170
Unit 7	250	180
	1130	685
Chandrapur		
Unit 1	210	165
Unit 2	210	170
Unit 3	210	0
Unit 4	210	200
Unit 5	500	460
Unit 6	500	450
Unit 7	500	440
	2340	1885
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	210
Unit 2	210	200
Unit 3	210	210
Unit 4	210	210
Unit 5	500	
	1340	830
Nasik		
Unit 3	210	210
Unit 4	210	200
Unit 5	210	210
	630	620
Uran		
All Units	852	400
	852	400
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Hydro		
KDPH	40	20
VTRNA	60	0
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	13
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	12
GHATGHAR	250	0
	611	145
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	1066
WARDHA	405	330
Other CPPs	0	
	1005	1396
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4868
	3455	4868

	17900	7 of 7	15518
--	--------------	--------	--------------