



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

State Load Dispatch Center, Airoli

Daily system Report

for

09/Feb/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 09/Feb/2012 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	117.484	1128.565	1) Gujrat	3.671	50.734
2) Hydro	8.143	91.554	2) Madhya Pradesh	21.314	178.476
3) Gas	11.956	109.999	3) Chattisgarh	12.540	112.420
Total MSGENCO	137.583	1330.118	4) Maharashtra	43.177	424.295
B) OTHERS			5) Goa	-6.162	-53.279
1) JSW JAIGAD	25.272	194.481	6) TAPS 1&2 Injection	7.798	70.363
2) WPCL	9.516	72.027	7) RGPPL Injection	24.003	220.464
3) Other CPP / IPP	7.505	63.519	8) Pench (Excess)	-0.351	-3.163
4) Wind Generation	4.121	38.886	# Total Cent. Sector	105.990	1000.310
5) PENCH (MS)	0.351	3.408	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-9.614	-99.981
1) TPCL Thermal	15.451	135.854	G) Bilateral Power *		
2) TPCL Hydro	4.452	53.316	1) MSEDCL Bilateral	34.953	261.176
TOTAL TPCL	19.903	189.170	Include PX	0.000	-0.371
3) REL Thermal	12.671	112.447	2) MUMBAI Bilateral	9.740	79.366
D) STATE			Include PX	-2.272	-22.152
1) Thermal (A1+C1+C3)	145.606	1376.866	3) MUMBAI Schedule	10.485	103.130
2) Hydro (A2+B5+C2)	12.946	148.278	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.956	109.999	1) MSEDCL	280.724	2602.768
4) Wind (B4)	4.121	38.886	2) TPCL	28.039	268.167
5) CPP (B1+B2+B3)	42.293	330.027	3) REL	13.950	133.831
TOTAL STATE	216.922	2004.056	TOTAL STATE	322.713	3004.766

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	4685	4806	4972
MSGENCO Hydro	878	522	119
MSGENCO Gas	482	501	498
MSGENCO Total Generation	6045	5829	5589
Central Sector Receipt	4981	5069	3530
WIND	48	133	317
CPP / IPP	1846	1881	1540
Exchange with Mumbai	-497	-552	-178
MSEDCL DEMAND MET	12448	12410	10798
Load Shedding (LS)	1816	480	0
MSEDCL DEMAND (INCL. LS)	14264	12890	10798
TPCL GENERATION	1128	1111	385
REL GENERATION	528	528	529
TPCL+REL DEMAND	2153	2191	1092
STATE DEMAND MET	14601	14601	11890
Load Management (LM)	2096	3437	1552
Total Load Relief (LS+LM)	3912	3917	1552
UNRESTRICTED STATE DEMAND	18513	18518	13442
Frequency (Hz)	49.66	49.66	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.2 Hz at 04.03 Hrs	49.17 Hz at 06.40 Hrs	49.78	.2 % 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 09/Feb/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.14	27.98	142	111	132
Unit 6	2.84	30.62	165	0	0
Unit 7	3.88	34.26	175	150	154
Total	9.86	92.87			286
Bhusawal					
Unit 2	4.57	38.25	210	155	180
Unit 3	4.41	38.25	200	155	180
Unit 4	0.00	0.00	0	0	
Total	8.98	76.50			360
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.51	41.61	203	166	190
Unit 5	3.87	34.53	175	126	170
Unit 6	4.96	26.56	246	110	200
Unit 7	4.97	48.08	233	171	200
Total	18.32	150.78			760
Chandrapur					
Unit 1	3.55	31.92	155	139	160
Unit 2	4.07	36.62	177	156	170
Unit 3	4.12	37.40	181	145	175
Unit 4	4.88	43.81	210	198	210
Unit 5	11.14	98.48	475	425	475
Unit 6	10.42	90.57	467	342	450
Unit 7	6.39	86.51	469	0	450
Total	44.57	425.30			2090
Paras					
Unit 3	6.02	47.86	261	238	250
Unit 4	5.76	47.51	252	181	250
Total	11.78	95.37			500
Khaparkheda					
Unit 1	5.00	34.92	215	195	210
Unit 2	4.34	38.44	185	165	180
Unit 3	4.28	39.16	184	165	200
Unit 4	5.23	47.13	220	212	210
Unit 5	0.00	14.00	0	0	
Total	18.85	173.66			800
Nasik					
Unit 3	5.13	45.24	220	210	210
Unit 4	0.00	35.86	0	0	0
Unit 5	0.00	32.97	0	0	0
Total	5.13	114.07			210
Uran					
All Units	11.96	110.00	509	482	500
Total	11.96	110.00			500
PENCH (MS)					
Pench (MS)	0.35	3.41	51	0	
Total	0.35	3.41			
Koyna					
Stage 1-2	1.61	18.85	305	40	600
Stage 4	0.25	10.22	199	0	250
Stage 3	0.45	6.89	80	0	320
Total	2.31	35.95			1170
Kovna 12&4 Total	1.86	29.07			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.31	2.01	20	0	0
VTRNA	0.61	6.81	61	0	61
TILLARI	0.36	3.30	60	0	60
BHTGR/VEER	0.07	0.81	3	3	3
BHIRA T.R.	0.32	3.33	82	0	80
RNGR+BHTSA	0.31	3.11	13	13	15
BHANDARDRA	0.77	6.26	32	32	32
ELDARY	0.00	2.55	0	0	0
SMLHY PTN	0.82	8.91	41	31	11
GHATGHAR	2.26	18.51	250	0	0
Total	5.83	55.60			262
Wind					
MalharPeth	0.21	1.93			
Vankuswadi	0.18	2.11			
ATIT	0.03	0.45			
Kale	0.10	0.84			
Satara	0.35	4.67			
Shirala	0.17	1.05			
K Mahankal	0.40	1.54			
Supa	0.22	1.16			
Vita	1.08	4.63			
Dondaicha	0.68	13.96			
Sakri	0.06	1.57			
Nandurbar	0.09	1.31			
Khandke	0.37	2.23			
Khaparale	0.18	1.42			
Total	4.12	38.89			
CPP					
JSW JAIGAD	25.27	194.48	1144	897	1000
WARDHA	9.52	72.03	457	330	330
Other CPPs	7.50	63.52			
Total	42.29	330.03			1330
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	0.00	0	0	0
Trombay 6	5.11	43.88	380	0	0
Trombay 7A	3.09	26.42	137	117	120
Trombay 7B	1.65	14.65	71	65	60
Trombay 8	5.60	50.90	251	177	250
TATA Hydro	4.45	53.32	417	0	447
Total	19.90	189.17			877
REL					
1&2	12.67	112.45	530	527	500
Total	12.67	112.45			500
Cent Sect					
Share					5108
Total					5108

MS PG CL	Thermal	117.48	1128.56			5006
	Thml+Gas	129.44	1238.56			5506
	Hydro	8.14	91.55			1432
	Total	137.58	1330.12			6938
State Total		216.92	2004.06			14753

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 09/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	5083	119	495	5697	213	1589	4256	3751	-469	-335	10915	1867	10915	1304	14086	49.73
2	5103	124	495	5722	279	1543	4023	3496	-93	-208	10832	1819	10832	1143	13794	49.90
3	4972	119	498	5589	317	1540	4063	3530	-72	-178	10798	1552	10798	1092	13442	50.02
4	4903	119	498	5520	328	1540	4087	3499	-61	-145	10742	1723	10742	1059	13524	50.08
5	4942	124	500	5566	297	1529	4094	3644	-66	-158	10878	1742	10878	1083	13703	49.92
6	4999	177	498	5674	272	1676	4403	4080	-172	-69	11633	1887	11663	1217	14737	49.80
7	5010	224	498	5732	230	1832	4366	4228	-82	-154	11868	2626	12556	1425	15919	49.71
8	5165	247	509	5921	235	1819	4609	4561	-167	-304	12232	3481	13416	1605	17318	49.78
9	5227	335	502	6064	246	1864	4760	4654	-396	-346	12482	3673	13897	1823	17978	49.70
10	5069	478	493	6040	200	1863	4948	4749	-635	-493	12359	4015	14190	2048	18422	49.68
11	5046	535	495	6076	85	1862	5062	4828	-712	-541	12337	4016	14255	2149	18502	49.67
12	4685	878	482	6045	48	1846	5088	4981	-729	-497	12448	3912	14264	2153	18513	49.66
13	4700	849	493	6042	27	1891	5092	5076	-688	-543	12518	4008	14430	2145	18671	49.68
14	4756	526	493	5775	26	1886	5127	5282	-654	-648	12346	3608	13907	2241	18195	49.75
15	4742	488	495	5725	27	1892	5120	5327	-638	-466	12531	3326	13928	2062	17919	49.75
16	4626	469	499	5594	29	1845	5167	5271	-642	-443	12319	3395	13887	2037	17751	49.72
17	4646	346	499	5491	29	1875	4967	4600	-656	-526	11469	3909	13186	2074	17452	49.87
18	4674	215	500	5389	30	1883	4582	4086	-592	-542	10846	3725	11940	2076	16647	49.77
19	4670	343	502	5515	64	1901	4940	4547	-591	-528	11533	4036	12167	2117	17686	49.63
20	4806	522	501	5829	133	1881	5172	5069	-681	-552	12410	3917	12890	2191	18518	49.66
21	4919	384	501	5804	211	1805	5020	4640	-552	-553	11958	3746	12293	2078	17782	49.71
22	4944	210	502	5656	260	1673	4738	4022	-454	-476	11186	3676	11477	1899	16761	49.79
23	4972	168	504	5644	268	1645	4814	4175	-406	-515	11231	3312	11299	1708	16251	49.87
24	4825	144	504	5473	267	1613	4618	3894	-278	-394	10853	2647	10855	1459	14959	49.86
MUs	117.48	8.14	11.96	137.58	4.12	42.29	113.12	105.99	-10.49	-9.61	280.72	75.62	300.66	42.19	398.53	49.78

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 09/Feb/2012

Position as on 6.30 Hrs of 10/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.	10/02/2012
Cent_Sect NTPC(K-1)	210	20/12/2011	13.44		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
Cent_Sect NTPC(K-3)	210	28/12/2011	14.00		Continued.	CW Pump Problem	
Khaparkheda Unit 5	500	04/02/2012	07:10		Continued.	W/dn.	10/02/2012
Dabhol 1B	230	04/02/2012	13.09	09/02/2012	11.08	Gas Shortage	
Dabhol 3B	230	04/02/2012	23.43		Continued.	Gas Shortage	
Tata Trombay 6	500	05/02/2012	10.33	09/02/2012	05.33	Differential protection.	
Nasik Unit 5	210	08/02/2012	06.05		Continued.	Vibration problem.	10/02/2012
Nasik Unit 4	210	08/02/2012	09.23		Continued.	Boiler tube leakage.	12/02/2012
Koradi Unit 6	210	09/02/2012	02.18	09/02/2012	07.05	Furnace pressure high.	
Chandrapur Unit 7	500	09/02/2012	11.26	09/02/2012	19.00	Bus Fault at Bhadravati ,tripped on Jerk	
Dabhol 1A	230	09/02/2012	14.51		Continued.	Gas Shortage	
Cent_Sect NTPC(V-10)	500	10/02/2012	05.38		Continued.	Boiler Tube Leakage	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 09/Feb/2012

Position as on 6.30 Hrs of 10/Feb/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		
Dhule-Sar'Sarovar - I	05/02/2012	23.12	09/02/2012	19.08	Over Voltage.
Kolhapur - Mapusa - II	07/02/2012	16.31	09/02/2012	10.30	Over Voltage
Wardha - Akola - II	08/02/2012	21.21		Continued.	Over Voltage.
Dhule - S'Sarovar- II	08/02/2012	23.18		Continued.	Over Voltage.
Kolhapur - Mapusa - I	09/02/2012	20.31		Continued.	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Lonikand - Parli - II	09/02/2012	09.07	09/02/2012	23.29	To attend Hot Spot, Ckt on TBC
Chandrapur - Khaparkheda	09/02/2012	09.43	09/02/2012	17.39	Providing Bus Post Insulator(Ckt on TBC)
400 KV TBC @ Koradi	09/02/2012	09.50	09/02/2012	18.37	Q.M.Work
50 MVAR 400KV Bus Reactor At 400KV Korady	09/02/2012	09.50	09/02/2012	18.37	Q.M.Work
400/220 KV 315 MVA ICT-II @ Chakan	09/02/2012	11.55	09/02/2012	19.43	CT replacement work
400/220 KV 500 MVA ICT-I @ Jejuri	09/02/2012	15.15	09/02/2012	18.36	DC Leakage problem CTR system
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
220/6.6KV,40MVA Stn..T/F-II at Korady	01/02/2012	16.35		Continued.	Replacement of 29B isolator.
Main Bus - I @ Talangade	06/02/2012	10.52		Continued.	Alignment of servicing of bus isolator.
Mudshingi - Talandage - I	08/02/2012	09.18		Continued.	Maintenance work up to 10.02.2012.
Trombay - Sonkar	09/02/2012	07.27	09/02/2012	09.19	Insulator String replacement
Pedambe - Karad	09/02/2012	08.58	09/02/2012	18.05	Replacement of Old Disc Insulator
Girwali - Parbhani	09/02/2012	09.39	09/02/2012	17.09	Replacement of Armouring and Arcing Horn
Chinchwad - Hinjewadi	09/02/2012	10.13	09/02/2012	18.07	Q.M.Work
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Amravati - Achalpur	16/01/2012	10.10		Continued.	Main bkr.maint.work.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Koradi - Kaparkheda	09/02/2012	16.45		Continued.	Filling of SF6 PG Isolator work(Ready for charging 01.00Hrs/10-2-12)
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.
Deepnagar-Waluj I	07/02/2012	18.09	09/02/2012	09.40	Over Voltage
Bhusawal- Aurangabad	08/02/2012	18.12	09/02/2012	07.57	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 09/Feb/2012

Position as on 6.30 Hrs of 10/Feb/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad - Kolhapur - II	08/02/2012	23.31	09/02/2012	13.39	Over Voltage.
New Koyna - StageIV - I	09/02/2012	02.46	09/02/2012	08.30	Over Voltage.
Karad - Kolhapur - I	09/02/2012	16.22		Continued.	Over Voltage
Bhusawal- Aurangabad	09/02/2012	16.30		Continued.	Over Voltage
Aurangabad-Deepnagar-II	09/02/2012	20.28		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.
Padgha-Temghar I	09/02/2012	19.00		Continued.	To control Load on Padgha ICT
Padgha - Temghar - II	09/02/2012	19.00		Continued.	To control Load on Padgha ICT
Voltage Level : 500KV			Outage Type TRIPPED		
HVDC Pole I Padgha	09/02/2012	12.17	09/02/2012	13.15	Valve Cooling System Problem
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	21/01/2012	03.36		Continued.	Buchholz Alarm Persist.
Parli - Solapur	09/02/2012	18.11		Continued.	Distance Protection(Decapping at Loc.No.146)
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).
Chandrapur - Warora	08/02/2012	18.40		Continued.	B ph.CT burst at Warora.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 10/Feb/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	125
Unit 6	210	138
Unit 7	210	175
	620	438
Bhusawal		
Unit 2	210	170
Unit 3	210	161
Unit 4	500	
	920	331
Parli		
Unit 3	210	0
Unit 4	210	200
Unit 5	210	168
Unit 6	250	215
Unit 7	250	190
	1130	773
Chandrapur		
Unit 1	210	142
Unit 2	210	150
Unit 3	210	143
Unit 4	210	187
Unit 5	500	391
Unit 6	500	322
Unit 7	500	414
	2340	1749
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	210
Unit 2	210	180
Unit 3	210	180
Unit 4	210	210
Unit 5	500	
	1340	780
Nasik		
Unit 3	210	210
Unit 4	210	0
Unit 5	210	0
	630	210
Uran		
All Units	852	500
	852	500
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	18
VTRNA	60	61
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	5
BHIRA T.R.	80	80
RNGR+BHTSA	20	13
BHANDARDRA	45	32
ELDARY	23	0
SMLHY PTN	12	11
GHATGHAR	250	0
	611	280
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	1100
WARDHA	405	420
Other CPPs	0	
	1005	1520
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	4935
	3455	4935

	17900	7 of 7	15063
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