



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

State Load Dispatch Center, Airoli

Daily system Report

for

01/Mar/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 01/Mar/2009 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	126.060	126.060	1) Madhya Pradesh	65.293	65.293
2) Hydro	16.752	16.752	2) Gujrat	14.417	14.417
3) Gas	11.794	11.794	3) Goa	-5.958	-5.958
Total MSGENCO	154.606	154.606	4) TAPS 1&2 (Inj.)	7.290	7.290
B) OTHERS			5) Pench (Excess)	-0.138	-0.138
1) RGPPL Gas	6.957	6.957	# Total Cent. Sector	80.904	80.904
2) Wind Generation	2.540	2.540	F) Other Exchanges		
3) PENCH (MS)	0.138	0.138	1) With TPCL	1.447	1.447
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	28.934	28.934	1) MSEDCL Bilateral	8.295	8.295
2) TPCL Hydro	0.062	0.062	Include PX	1.571	1.571
TOTAL TPCL	28.996	28.996	2) MUMBAI Bilateral	-0.044	-0.044
3) REL Thermal	12.712	12.712	Include PX	0.083	0.083
D) STATE			3) MUMBAI Schedule	-0.044	-0.044
1) Thermal (A1+C1+C3)	167.706	167.706	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	16.952	16.952	1) MSEDCL	246.592	246.730
3) Gas (A3+B1)	18.751	18.751	2) TPCL	29.034	29.034
4) Wind (B2)	2.540	2.540	3) REL	14.122	14.122
TOTAL STATE	205.949	205.949	TOTAL STATE	289.748	289.886

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	5496	5052	5471
MSGENCO Hydro	459	1388	174
MSGENCO Gas	476	485	494
MSGENCO Total Generation	6431	6925	6139
Central Sector Receipt	3356	3724	2694
RGPPL	177	313	309
WIND	185	70	110
Exchange with TPCL	123	-216	176
MSEDCL DEMAND MET	10272	10839	9428
Load Shedding	4314	3841	2015
MSEDCL DEMAND (INCL. LS)	14586	14680	11443
TPCL GENERATION	1221	1207	1197
REL GENERATION	530	529	530
TPCL+REL DEMAND	1628	1952	1551
STATE DEMAND MET	11900	12791	10979
STATE DEMAND (INCL. LS)	16214	16632	12994
Frequency (Hz)	49.28	49.59	49.54
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4831 MW at 13:00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			93.12 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.25 Hz at 18.02 Hrs	48.79 Hz at 10.14 Hrs	49.44	1.74 % of Time

* 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 01/Mar/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.69	1.69	78	64	70
Unit 2	1.84	1.84	83	70	70
Unit 3	1.45	1.45	78	0	70
Unit 4	0.63	0.63	62	0	0
Unit 5	4.18	4.18	188	160	170
Unit 6	0.00	0.00	0	0	0
Unit 7	4.46	4.46	205	134	170
	14.25	14.25			550
Bhusawal					
Unit 1	1.30	1.30	58	49	50
Unit 2	4.50	4.50	194	181	185
Unit 3	4.61	4.61	199	175	195
	10.41	10.41			430
Parli					
Unit 1	0.49	0.49	22	18	20
Unit 2	0.57	0.57	26	21	20
Unit 3	3.22	3.22	151	106	135
Unit 4	0.00	0.00	0	0	0
Unit 5	3.63	3.63	167	140	145
Unit 6	5.82	5.82	255	206	245
	13.73	13.73			565
Chandrapur					
Unit 1	4.04	4.04	176	160	170
Unit 2	4.12	4.12	176	169	165
Unit 3	5.10	5.10	218	210	210
Unit 4	4.55	4.55	197	167	195
Unit 5	5.01	5.01	479	0	460
Unit 6	9.87	9.87	466	380	460
Unit 7	11.13	11.13	478	453	475
	43.82	43.82			2135
Paras					
Unit 2	1.17	1.17	51	46	45
Unit 3	5.32	5.32	239	182	230
	6.49	6.49			275
Khaparkheda					
Unit 1	4.83	4.83	208	195	200
Unit 2	4.63	4.63	205	175	200
Unit 3	4.58	4.58	212	162	200
Unit 4	4.42	4.42	205	148	200
	18.45	18.45			800
Nasik					
Unit 1	2.17	2.17	102	78	95
Unit 2	2.16	2.16	101	80	95
Unit 3	4.86	4.86	210	195	200
Unit 4	4.93	4.93	213	197	200
Unit 5	4.79	4.79	204	194	200
	18.91	18.91			790
Uran					
All Units	11.79	11.79	650	388	600
	11.79	11.79			600
Koyna					
Stage 1-2	2.21	2.21	230	40	600
Stage 4	8.41	8.41	832	0	250
Koyna 12&4 Total	10.62	10.62			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	1.70	1.70	240	0	320
	12.33	12.33			1170
Hydro					
KDPH	0.91	0.91	38	37	38
VTRNA	0.81	0.81	60	0	60
TILLARI	0.40	0.40	60	0	60
BHTGR/VEER	0.79	0.79	33	33	57
BHIRA T.R.	0.10	0.10	53	0	80
RNGR+BHTSA	0.35	0.35	15	14	19
BHANDARDRA	0.84	0.84	35	35	40
ELDARY	0.22	0.22	16	0	0
PAITHAN	0.00	0.00	0	0	0
GHATGHAR	0.00	0.00	0	0	0
	4.43	4.43			354
PENCH (MS)					
Pench (MS)	0.14	0.14	23	0	0
	0.14	0.14			0
Wind					
MalharPeth	0.15	0.15			
Vankuswadi	0.33	0.33			
ATIT	0.04	0.04			
Kale	0.11	0.11			
Satara	0.16	0.16			
Shirala	0.14	0.14			
K Mahankal	0.02	0.02			
Supa	0.11	0.11			
Vita	0.80	0.80			
Dondaicha	0.40	0.40			
Sakri	0.07	0.07			
Nandurbar	0.03	0.03			
Khadakale	0.19	0.19			
Khaparale	0.01	0.01			
	2.54	2.54			
Dabhol					
RGPP L II	6.96	6.96	331	78	0
RGPP L III	0.00	0.00	0	0	0
	6.96	6.96			0
Tata					
Trombay 4	2.46	2.46	106	98	50
Trombay 5	12.12	12.12	505	505	500
Trombay 6	12.14	12.14	510	475	500
Trombay 7A	2.21	2.21	100	80	75
Trombay 7B	0.00	0.00	0	0	75
TATA Hydro	0.06	0.06	7	2	300
	29.00	29.00			1500
REL					
1&2	12.71	12.71	531	528	500
	12.71	12.71			500
Cent Sect					
Share					3282
					3282

MS PG CL	Thermal	126.06	126.06			5545
	Thml+Gas	137.85	137.85			6145
	Hydro	16.75	16.75			1524
	Total	154.61	154.61			7669
State Total		205.95	205.95			12951

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 01/Mar/2009

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CS SHARE	CS RECPT	TPCL SCH.	TPCL NET EXCH.	MSEDCL DEMAND MET	# LOAD SHED.	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS	FREQ. (Hz)
	THM	HY	GAS													
1	5504	237	489	6230	307	141	2999	2611	-40	23	9312	2019	11331	1704	13035	49.35
2	5471	174	494	6139	309	110	2869	2694	104	176	9428	2015	11443	1551	12994	49.54
3	5492	160	494	6146	310	135	2775	2857	201	274	9722	2123	11845	1471	13316	49.55
4	5491	160	498	6149	311	131	2728	2894	251	325	9810	2145	11955	1411	13366	49.60
5	5493	180	489	6162	327	132	2707	2947	272	324	9892	2508	12400	1389	13789	49.40
6	5533	555	490	6578	323	135	2755	2949	222	271	10256	2816	13072	1441	14513	49.40
7	5574	554	492	6620	331	153	2690	2724	244	290	10118	3803	13921	1436	15357	49.40
8	5586	283	492	6361	167	153	3143	3122	224	254	10057	4092	14149	1491	15640	49.27
9	5535	341	490	6366	78	146	3095	3271	174	206	10067	4211	14278	1546	15824	49.26
10	5496	459	476	6431	177	185	3234	3356	57	123	10272	4314	14586	1628	16214	49.28
11	5328	729	462	6519	301	118	3286	3463	-68	-4	10397	3740	14137	1756	15893	49.38
12	4963	1231	448	6642	305	99	3292	3542	-118	-50	10538	3779	14317	1798	16115	49.27
13	4988	1341	439	6768	306	58	3251	3518	-118	-51	10599	3609	14208	1803	16011	49.35
14	5010	1216	430	6656	304	51	3244	3558	-68	-1	10568	3575	14143	1751	15894	49.44
15	5011	900	388	6299	305	51	3269	3741	-43	24	10420	3479	13899	1727	15626	49.47
16	4997	816	413	6226	307	58	3260	3756	-18	49	10396	3733	14129	1697	15826	49.57
17	5047	819	452	6318	308	63	3241	3848	7	77	10614	3587	14201	1668	15869	49.50
18	5049	722	464	6235	310	48	3298	3954	-24	41	10588	3348	13936	1690	15626	49.67
19	5049	873	466	6388	311	43	3431	3826	-28	-18	10573	3515	14088	1751	15839	49.62
20	5052	1388	485	6925	313	70	3298	3724	-278	-216	10839	3841	14680	1952	16632	49.59
21	5059	1073	544	6676	311	123	3298	4069	-276	-220	10982	3343	14325	1955	16280	49.52
22	5094	1202	609	6905	312	91	3298	3634	-272	-215	10750	3329	14079	1944	16023	49.41
23	5124	860	640	6624	312	113	3298	3492	-227	-163	10401	3314	13715	1896	15611	49.38
24	5114	479	650	6243	312	131	3185	3354	-131	-72	9991	2732	12723	1805	14528	49.31
MUs	126.06	16.75	11.79	154.61	6.96	2.54	74.94	80.90	0.04	1.45	246.59	78.97	325.56	40.26	365.82	49.44

NOTE : ALL VALUES IN MW

TPCL Sch./Net Exch is shown with reference to MSETCL System. (+) indicates TPCL to MSETCL and (-) indicates MSETCL to TPCL. TPCL Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL loss for export)
Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 01/Mar/2009

Position as on 6.30 Hrs of 02/Mar/2009

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect KARPR1	220	01/07/2008	00:10		Continued.	COH(En-Mass Coolant Clanel Replacement)	31/03/2010
Cent_Sect KARPR2	220	03/02/2009	00.24		Continued.	Bi-Annual overhaul work	10/03/2009
Koradi Unit 6	210	08/02/2009	02.11		Continued.	ANNUAL MAINT. WORK	15/03/2009
FORCED OUTAGE							
Dabhol 2A	230	19/01/2008	02.40		Continued.	Tripped	01/07/2009
Uran Unit 4	60	01/04/2008	00:00		Continued.	Gas Restriction	
Uran Unit 2	60	04/10/2008	19.00		Continued.	Gas Restriction	
Uran Unit 3	60	23/10/2008	06.40		Continued.	Gas Restriction	
Dabhol 3A	230	08/11/2008	13.45		Continued.	Exhaust temp.& vibn.high	01/06/2009
Dabhol 3B	230	19/11/2008	19.55		Continued.	W/dn	31/03/2009
Dabhol 3X	290	19/11/2008	19.58		Continued.	W/dn	31/03/2009
Dabhol 1B	230	22/01/2009	12.05		Continued.	BHMS Installation work	10/03/2009
Tata Trombay 7B	60	21/02/2009	03:58		Continued.	Stator Winding Prob.	03/03/2009
Koradi Unit 4	115	22/02/2009	06.38	01/03/2009	09.42	Hydrogen Leakage	
Parli Unit 4	210	26/02/2009	15.01		Continued.	Furnace Pressure High	06/03/2009
Dabhol 2X	290	27/02/2009	17.20	01/03/2009	06.46	Inlet Air diff. pressure high.	
Dabhol 2B	230	27/02/2009	17.23	01/03/2009	03.45	Inlet Air diff. pressure high.	
Uran Unit 7	108	28/02/2009	22.22	01/03/2009	18.45	Gas Restriction	
Dabhol 1A	230	01/03/2009	07.23	02/03/2009	08.28	Prob.in combustion system.	
Dabhol 1X	290	01/03/2009	07.23	02/03/2009	16.04	Prob.in combustion system.	
Chandrapur Unit 5	500	01/03/2009	10.44		Continued.	H/T due to Turbine Pipe line Leakages.	03/03/2009
Uran Unit B0	120	01/03/2009	14.02	01/03/2009	15.41	Vibration problem.	
Koradi Unit 3	105	01/03/2009	21.31		Continued.	Condensor Tube Leakage	03/03/2009
Koradi Unit 4	115	02/03/2009	09.19		Continued.	Condensor Valve problem.	
Dabhol 1X	290	02/03/2009	23.51		Continued.	Boroscopic Inspection.	
Dabhol 1A	230	02/03/2009	23.52		Continued.	Boroscopic Inspection.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 01/Mar/2009

Position as on 6.30 Hrs of 02/Mar/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Nasik-Navsari-I	02/03/2009	07.58	02/03/2009	19.35	Insulator Replacement
Mudshingi-Ponda	02/03/2009	08.05	02/03/2009	18.10	Bus Section Outage at Mudshingi.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Pench - Kanhan	26/02/2009	17.25	02/03/2009	19.35	Relay Retrofitting Work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar II	01/03/2009	00.20	01/03/2009	06.13	H/T FOR O/V
DHULE-SAR'SAROVAR-I	01/03/2009	01.51		Continued.	H/T FOR O/V
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 300 MVA ICT-I @ Koradi	27/02/2009	09.27		Continued.	B Phase Unit Replacement.
400/11.5KV,90MVA STN T/F V At 400 KV C'pur	27/02/2009	23.22		Continued.	M.B.Prob.HV Side On TBC-II
Single Ph.105 MVA Spare ICT-II at Karad	02/03/2009	10:45		Continued.	Repl. of existing single phase ICT of 400KV ICT-I, B Ph. by Spare ICT-II
Karad-Lonikhand	02/03/2009	14.13	02/03/2009	17.26	Testing Work
Single Ph.Spare ICT at Khargar	02/03/2009	14.40	02/03/2009	17.23	Maintenance work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
ICT - III at Harangul	20/12/2008	14.53	01/03/2009	18.40	New ICT commissioning work
Pedambe-Pophali I	01/03/2009	08.20	01/03/2009	17.50	Bay Maintenance work.
Main Bus at Ichalkaranji	02/03/2009	10.15	02/03/2009	17.15	Q.M. WORK
Main Bus Section-I @ Mudshingi	02/03/2009	12:25	02/03/2009	14:00	R.M. Work
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Own breaker Of N'thane-Dabhol-I line at N'gothane.	02/03/2009	13:19		Continued.	Line on TBC, Sparking at Y ph PG Isolator
Voltage Level : 220KV			Outage Type HAND TRIPPED		
200 MVA 220/132 Kv ICT at Kawlewada	02/03/2009	14.05	02/03/2009	16.20	HV Breaker Problem.
Voltage Level : 400KV			Outage Type TRIPPED		
Lonikand-Kalwa	01/03/2009	16.53	02/03/2009	08.17	Tripped On D/P. Declared Br.Dn.
Voltage Level : 220KV			Outage Type TRIPPED		
K'gaon-Lonand	01/03/2009	14.42	01/03/2009	14.52	Tripped on Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 02/Mar/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	60
Unit 2	105	80
Unit 3	105	0
Unit 4	105	60
Unit 5	200	140
Unit 6	210	0
Unit 7	210	140
	1040	480
Bhusawal		
Unit 1	58	50
Unit 2	210	185
Unit 3	210	195
	478	430
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	155
Unit 4	210	0
Unit 5	210	140
Unit 6	250	250
	940	585
Chandrapur		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	190
Unit 4	210	195
Unit 5	500	0
Unit 6	500	400
Unit 7	500	460
	2340	1585
Paras		
Unit 2	55	45
Unit 3	250	230
	305	275
Khaparkheda		
Unit 1	210	200
Unit 2	210	200
Unit 3	210	200
Unit 4	210	200
	840	800
Nasik		
Unit 1	120	95
Unit 2	120	95
Unit 3	210	200
Unit 4	210	200
Unit 5	210	200
	870	790
Uran		
All Units	852	640
	852	640
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	38
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	55
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	35
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	343
PENCH (MS)		
Pench (MS)	53	
	53	
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	
Khadakale	0	
Khaparale	0	
	0	
Dabhol		
RGPL II	740	300
RGPL III	740	
	1480	300
Tata		
Trombay 4	150	150
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	0
TATA Hydro	444	297
	1774	1567
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3422
	3143	3422

	17146	12887
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