



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

State Load Dispatch Center, Airoli

Daily system Report

for

09/Mar/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 09/Mar/2009 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	121.637	1074.942	1) Madhya Pradesh	64.260	585.554
2) Hydro	25.007	195.375	2) Gujrat	19.359	156.433
3) Gas	9.846	115.911	3) Goa	-5.772	-55.585
Total MSGENCO	156.490	1386.228	4) TAPS 1&2 (Inj.)	5.535	56.436
B) OTHERS			5) Pench (Excess)	-0.070	-1.006
1) RGPPL Gas	11.731	89.007	# Total Cent. Sector	83.312	741.832
2) Wind Generation	1.987	35.948	F) Other Exchanges		
3) PENCH (MS)	0.070	1.006	1) With TPCL	-1.859	-19.493
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	28.351	260.724	1) MSEDCL Bilateral	10.342	67.077
2) TPCL Hydro	3.447	25.458	Include PX	3.811	16.142
TOTAL TPCL	31.798	286.182	2) MUMBAI Bilateral	5.240	33.831
3) REL Thermal	12.684	113.991	Include PX	1.408	7.973
D) STATE			3) MUMBAI Schedule	5.240	35.631
1) Thermal (A1+C1+C3)	162.672	1449.657	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	28.524	221.839	1) MSEDCL	251.731	2235.534
3) Gas (A3+B1)	21.577	204.918	2) TPCL	29.560	285.687
4) Wind (B2)	1.987	35.948	3) REL	16.779	140.932
TOTAL STATE	214.760	1912.362	TOTAL STATE	298.070	2662.153

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	5361	5249	4694
MSGENCO Hydro	464	1764	283
MSGENCO Gas	390	329	508
MSGENCO Total Generation	6215	7342	5485
Central Sector Receipt	3562	4127	3089
RGPPL	620	310	629
WIND	45	71	124
Exchange with TPCL	-144	-337	227
MSEDCL DEMAND MET	10298	11536	9554
Load Shedding	4295	3796	2100
MSEDCL DEMAND (INCL. LS)	14593	15332	11654
TPCL GENERATION	1406	1489	1135
REL GENERATION	529	527	530
TPCL+REL DEMAND	2079	2353	1438
STATE DEMAND MET	12377	13889	10992
STATE DEMAND (INCL. LS)	16672	17685	13092
Frequency (Hz)	49.18	49.30	49.42
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			5239 MW at 13.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			103.63 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
49.86 Hz at 18.01 Hrs	48.79 Hz at 11.10 Hrs	49.32	3.95 % 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 09/Mar/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.00	8.07	0	0	0
Unit 2	1.56	14.94	84	32	75
Unit 3	1.64	9.69	84	52	80
Unit 4	1.62	8.25	84	37	80
Unit 5	3.59	34.30	173	133	180
Unit 6	1.99	10.68	154	0	0
Unit 7	3.52	33.90	177	122	200
	13.92	119.83			615
Bhusawal					
Unit 1	0.56	8.75	26	20	25
Unit 2	4.55	39.96	197	180	185
Unit 3	4.68	41.70	198	185	200
	9.79	90.41			410
Parli					
Unit 1	0.49	4.58	22	18	20
Unit 2	0.56	5.12	24	21	20
Unit 3	3.58	30.08	176	126	130
Unit 4	3.61	7.73	168	122	135
Unit 5	0.00	24.30	0	0	0
Unit 6	5.84	47.76	248	235	245
	14.08	119.56			550
Chandrapur					
Unit 1	4.03	36.93	173	164	170
Unit 2	4.02	37.14	170	162	170
Unit 3	5.05	44.45	211	202	210
Unit 4	4.71	28.14	204	174	195
Unit 5	8.87	65.14	447	294	300
Unit 6	7.44	72.44	413	169	200
Unit 7	8.88	93.13	452	299	300
	42.99	377.37			1545
Paras					
Unit 2	1.07	9.68	46	42	45
Unit 3	3.56	42.78	165	131	135
	4.64	52.46			180
Khaparkheda					
Unit 1	3.95	29.78	208	0	150
Unit 2	4.61	41.59	201	182	200
Unit 3	5.02	44.34	212	199	210
Unit 4	4.96	34.66	211	203	210
	18.55	150.38			770
Nasik					
Unit 1	2.20	14.47	96	90	95
Unit 2	2.16	20.35	98	91	95
Unit 3	4.50	43.76	209	176	200
Unit 4	4.47	43.41	207	170	200
Unit 5	4.35	42.95	202	168	200
	17.68	164.94			790
Uran					
All Units	9.85	115.91	511	329	500
	9.85	115.91			500
Koyna					
Stage 1-2	3.81	30.34	370	50	600
Stage 4	14.08	103.22	1120	0	250
Kovna 12&4 Total	17.89	133.55			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	3.69	27.63	320	0	320
	21.58	161.18			1170
Hydro					
KDPH	0.90	3.20	38	37	36
VTRNA	0.82	7.18	61	0	60
TILLARI	0.37	3.52	60	0	60
BHTGR/VEER	0.59	6.59	25	24	32
BHIRA T.R.	0.12	1.17	41	0	80
RNGR+BHTSA	0.30	2.95	13	12	13
BHANDARDRA	0.33	6.42	26	0	32
ELDARY	0.00	1.14	0	0	0
PAITHAN	0.00	0.00	0	0	0
GHATGHAR	0.00	2.02	0	0	0
	3.43	34.19			313
PENCH (MS)					
Pench (MS)	0.07	1.01	23	0	
	0.07	1.01			
Wind					
MalharPeth	0.11	1.32			
Vankuswadi	0.25	3.16			
ATIT	0.02	0.55			
Kale	0.05	0.91			
Satara	0.09	1.20			
Shirala	0.07	1.30			
K Mahankal	0.02	0.30			
Supa	0.17	1.30			
Vita	0.32	7.92			
Dondaicha	0.26	11.46			
Sakri	0.06	1.86			
Nandurbar	0.06	1.54			
Khadakale	0.40	2.76			
Khaparale	0.11	0.36			
	1.99	35.95			
Dabhol					
RGPP L II	11.73	89.01	630	306	300
RGPP L III	0.00	0.00	0	0	
	11.73	89.01			300
Tata					
Trombay 4	2.08	22.27	104	41	50
Trombay 5	12.12	109.06	505	505	500
Trombay 6	11.97	109.67	510	430	500
Trombay 7A	2.18	19.72	100	74	120
Trombay 7B	0.00	0.00	0	0	0
TATA Hydro	3.45	25.46	274	2	294
	31.80	286.18			1464
REL					
1&2	12.68	113.99	530	524	500
	12.68	113.99			500
Cent Sect					
Share					3321
					3321

MS PG CL	Thermal	121.64	1074.94		4860
	Thml+Gas	131.48	1190.85		5360
	Hydro	25.01	195.38		1483
	Total	156.49	1386.23		6843
State Total		214.76	1912.36		12428

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 09/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	4701	497	508	5706	627	105	2990	3115	-13	151	9704	2080	11784	1499	13283	49.33
2	4694	283	508	5485	629	124	2915	3089	56	227	9554	2100	11654	1438	13092	49.42
3	4752	469	511	5732	629	131	2744	2894	150	327	9713	2239	11952	1276	13228	49.38
4	4743	666	511	5920	630	121	2637	2897	197	379	9947	2096	12043	1204	13247	49.45
5	4680	826	510	6016	630	107	2634	3098	197	376	10227	2523	12750	1206	13956	49.46
6	4783	1077	502	6362	630	92	2744	2961	93	264	10309	2787	13096	1377	14473	49.36
7	4983	905	481	6369	630	109	2781	2928	103	268	10304	3938	14242	1436	15678	49.36
8	5177	388	402	5967	629	100	3260	3334	-23	129	10159	4172	14331	1623	15954	49.46
9	5353	413	384	6150	625	67	3327	3294	-91	58	10194	4245	14439	1778	16217	49.21
10	5361	464	390	6215	620	45	3585	3562	-317	-144	10298	4295	14593	2079	16672	49.18
11	5356	597	390	6343	615	46	3729	3673	-437	-261	10416	3804	14220	2279	16499	49.17
12	5254	983	386	6623	611	35	3828	3874	-513	-342	10801	3827	14628	2358	16986	49.18
13	5064	1482	383	6929	603	23	3806	3705	-506	-335	10925	3656	14581	2340	16921	49.27
14	5062	1477	382	6921	422	26	3786	3833	-494	-329	10873	3615	14488	2283	16771	49.40
15	5075	1358	388	6821	416	42	3807	3847	-521	-348	10778	3389	14167	2290	16457	49.23
16	5031	1349	384	6764	307	53	3815	4016	-531	-397	10743	3528	14271	2337	16608	49.36
17	5079	1480	368	6927	306	67	3763	3913	-478	-361	10852	3464	14316	2329	16645	49.22
18	5148	1500	368	7016	309	69	3698	4046	-431	-289	11151	3296	14447	2281	16728	49.39
19	5186	1376	331	6893	310	66	3527	3909	-296	-210	10981	3515	14496	2221	16717	49.41
20	5249	1764	329	7342	310	71	3274	4127	-399	-337	11536	3796	15332	2353	17685	49.30
21	5299	1825	330	7454	310	108	3207	3719	-326	-258	11356	3366	14722	2275	16997	49.25
22	5326	1665	330	7321	312	112	3137	3286	-253	-181	10860	3376	14236	2190	16426	49.35
23	5333	1236	330	6899	311	102	3156	3486	-257	-178	10620	3223	13843	2037	15880	49.31
24	5294	927	358	6579	310	73	3069	2879	-150	-68	9773	2651	12424	1852	14276	49.20
MUs	121.98	25.01	9.76	156.75	11.73	1.89	79.22	83.48	-5.24	-1.86	252.07	78.98	331.06	46.34	377.40	49.32

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 09/Mar/2009

Position as on 6.30 Hrs of 10/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
Paras Unit 3	250	10/03/2009	02.03		Continued.	PG Test	20/03/2009
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.	10/03/2009
Koradi Unit 1	105	06/03/2009	10:52		Continued.	Boiler Tube Leakage	12/03/2009
Khaparkheda Unit 1	210	06/03/2009	14:33	09/03/2009	01:51	Boiler Tube Leakage	
Cent_Sect TARAPUR-3	540	06/03/2009	21:07	09/03/2009	09.20	Steam Leakage.	
Uran Unit 5	108	07/03/2009	16:05		Continued.	Gas Restriction	
Parli Unit 5	210	08/03/2009	06.45	10/03/2009	02.45	Boiler Tube Leakage	
Cent_Sect NTPC(V-4)	210	08/03/2009	23:00		Continued.	Boiler Tube Leakage	11/03/2009
Cent_Sect sipat-5	500	09/03/2009	03:13		Continued.	Boiler Tube Leakage	11/03/2009
Koradi Unit 6	210	09/03/2009	03:39	09/03/2009	07.38	Furnace Pressure High	
Dabhol 1X	290	09/03/2009	14.32		Continued.	Gas Restriction	
Dabhol 1A	230	09/03/2009	14.33		Continued.	Gas Restriction	
Koradi Unit 7	210	10/03/2009	03.03		Continued.	Loss of Fuel	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 09/Mar/2009

Position as on 6.30 Hrs of 10/Mar/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar II	07/03/2009	00:41	09/03/2009	06.38	H/T FOR O/V
Dhule-S'Sarovar I	08/03/2009	2:05		Continued.	Hand Tripped to Control 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.
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
400/220kv ICT-II @ BBLSWR	09/03/2009	12.25		Continued.	L.V. Main Brk. O/H Work. ICT-II L.V.Side On TBC.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
ICT-III @ Kalwa	03/03/2009	09.40		Continued.	Oil Filtration Work.
Apta - Taloja	09/03/2009	13.33	09/03/2009	19.38	Repl.Of Distance Protection Relay
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
ICT-I@ KOLHAPUR	09/03/2009	15.18	09/03/2009	18.07	To attend oil leakage.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
ONGC-TSS	09/03/2009	10.17	09/03/2009	16.47	To attend hot spot
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Ambazari-Wardha	06/03/2009	17.44	09/03/2009	09.52	H/T for controlling Koradi ICT Loading.
Khaperkheda - Wardha.	08/03/2009	18:29	09/03/2009	06.52	H/T for controlling Koradi ICT Loading.
Ambazari-Wardha	09/03/2009	18.37		Continued.	H/T for controlling Koradi ICT Loading.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 10/Mar/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	61
Unit 3	105	55
Unit 4	105	60
Unit 5	200	125
Unit 6	210	117
Unit 7	210	0
	1040	418
Bhusawal		
Unit 1	58	25
Unit 2	210	185
Unit 3	210	195
	478	405
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	150
Unit 4	210	150
Unit 5	210	150
Unit 6	250	245
	940	735
Chandrapur		
Unit 1	210	170
Unit 2	210	165
Unit 3	210	210
Unit 4	210	210
Unit 5	500	450
Unit 6	500	400
Unit 7	500	450
	2340	2055
Paras		
Unit 2	55	45
Unit 3	250	0
	305	45
Khaparkheda		
Unit 1	210	200
Unit 2	210	200
Unit 3	210	210
Unit 4	210	210
	840	820
Nasik		
Unit 1	120	90
Unit 2	120	90
Unit 3	210	180
Unit 4	210	180
Unit 5	210	180
	870	720
Uran		
All Units	852	350
	852	350
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	36
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	32
BHIRA T.R.	80	80
RNGR+BHTSA	20	13
BHANDARDRA	45	32
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	313
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		
RGPPL II	740	300
RGPPL III	740	
	1480	300
Tata		
Trombay 4	150	120
Trombay 5	500	515
Trombay 6	500	515
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	3019
	3143	3019

	17146	12417
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