



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

State Load Dispatch Center, Airoli

Daily system Report

for

04/Mar/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 04/Mar/2009 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	121.662	482.262	1) Madhya Pradesh	64.643	262.544
2) Hydro	24.195	92.023	2) Gujrat	19.189	69.019
3) Gas	13.765	54.178	3) Goa	-6.735	-25.232
Total MSGENCO	159.622	628.463	4) TAPS 1&2 (Inj.)	7.349	29.274
B) OTHERS			5) Pench (Excess)	-0.143	-0.557
1) RGPPL Gas	7.411	31.234	# Total Cent. Sector	84.303	335.048
2) Wind Generation	5.082	13.590	F) Other Exchanges		
3) PENCH (MS)	0.143	0.557	1) With TPCL	-4.277	-10.502
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	29.531	117.386	1) MSEDCL Bilateral	8.247	29.539
2) TPCL Hydro	3.672	11.466	Include PX	3.527	9.366
TOTAL TPCL	33.203	128.852	2) MUMBAI Bilateral	4.681	11.974
3) REL Thermal	12.666	50.744	Include PX	0.708	3.079
D) STATE			3) MUMBAI Schedule	5.581	13.774
1) Thermal (A1+C1+C3)	163.859	650.392	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	28.010	104.046	1) MSEDCL	252.284	998.947
3) Gas (A3+B1)	21.176	85.412	2) TPCL	33.909	130.058
4) Wind (B2)	5.082	13.590	3) REL	16.237	62.933
TOTAL STATE	218.127	853.440	TOTAL STATE	302.430	1191.938

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	5079	5120	5062
MSGENCO Hydro	823	1582	235
MSGENCO Gas	635	610	493
MSGENCO Total Generation	6537	7312	5790
Central Sector Receipt	3696	3633	3121
RGPPL	308	308	311
WIND	116	328	197
Exchange with TPCL	-257	-399	139
MSEDCL DEMAND MET	10400	11204	9558
Load Shedding	4387	4001	2128
MSEDCL DEMAND (INCL. LS)	14787	15205	11686
TPCL GENERATION	1485	1500	1218
REL GENERATION	527	526	529
TPCL+REL DEMAND	2269	2425	1608
STATE DEMAND MET	12669	13629	11166
STATE DEMAND (INCL. LS)	17056	17630	13294
Frequency (Hz)	49.13	49.17	49.16
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			5492 MW At 13.00 Hr
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			101.604 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
49.75 Hz at 18.02 Hrs	48.77 Hz at 11.24 Hrs	49.19	14.25 % 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 04/Mar/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.55	6.37	75	41	70
Unit 2	1.76	7.15	78	69	75
Unit 3	0.63	2.08	70	0	0
Unit 4	0.16	1.24	70	0	0
Unit 5	4.14	16.43	181	164	170
Unit 6	0.00	0.00	0	0	0
Unit 7	4.26	16.74	195	152	180
	12.50	50.00			495
Bhusawal					
Unit 1	1.20	4.88	58	45	50
Unit 2	4.23	17.77	193	156	185
Unit 3	4.54	18.48	202	170	170
	9.96	41.14			405
Parli					
Unit 1	0.52	2.07	23	20	20
Unit 2	0.58	2.30	26	23	20
Unit 3	3.18	12.78	158	117	120
Unit 4	0.00	0.00	0	0	0
Unit 5	3.19	13.28	156	118	120
Unit 6	5.19	22.40	248	156	235
	12.66	52.82			515
Chandrapur					
Unit 1	4.15	16.42	178	172	170
Unit 2	4.18	16.64	177	172	170
Unit 3	5.05	19.96	212	200	210
Unit 4	1.46	15.13	196	0	195
Unit 5	10.54	17.69	468	360	450
Unit 6	10.08	39.20	456	401	410
Unit 7	11.12	44.22	485	459	470
	46.57	169.26			2075
Paras					
Unit 2	1.07	4.43	48	39	50
Unit 3	5.12	20.62	225	193	215
	6.19	25.05			265
Khaparkheda					
Unit 1	4.71	19.10	202	190	200
Unit 2	4.63	18.39	200	170	200
Unit 3	4.96	19.45	212	201	200
Unit 4	0.24	10.67	117	0	0
	14.54	67.61			600
Nasik					
Unit 1	2.18	8.72	94	87	95
Unit 2	2.27	9.03	100	90	95
Unit 3	4.92	19.58	210	201	200
Unit 4	4.95	19.73	210	202	200
Unit 5	4.92	19.32	211	195	200
	19.25	76.38			790
Uran					
All Units	13.76	54.18	664	483	600
	13.76	54.18			600
Koyna					
Stage 1-2	4.45	14.90	505	40	600
Stage 4	12.66	47.69	1120	0	250
Kovna 12&4 Total	17.11	62.59			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	3.62	12.86	240	0	320
	20.73	75.45			1170
Hydro					
KDPH	0.00	2.12	0	0	38
VTRNA	0.85	3.30	60	0	60
TILLARI	0.39	1.51	60	0	60
BHTGR/VEER	0.77	2.98	32	32	30
BHIRA T.R.	0.16	0.53	52	0	80
RNGR+BHTSA	0.34	1.31	15	13	14
BHANDARDRA	0.74	3.16	32	30	35
ELDARY	0.22	0.89	16	0	0
PAITHAN	0.00	0.00	0	0	0
GHATGHAR	0.00	0.78	0	0	0
	3.46	16.58			317
PENCH (MS)					
Pench (MS)	0.14	0.56	24	0	0
	0.14	0.56			0
Wind					
MalharPeth	0.19	0.60			
Vankuswadi	0.49	1.43			
ATIT	0.10	0.31			
Kale	0.12	0.39			
Satara	0.16	0.54			
Shirala	0.14	0.51			
K Mahankal	0.06	0.10			
Supa	0.17	0.44			
Vita	0.64	2.58			
Dondaicha	2.15	4.63			
Sakri	0.26	0.64			
Nandurbar	0.24	0.50			
Khadakale	0.32	0.87			
Khaparale	0.03	0.06			
	5.08	13.59			
Dabhol					
RGPP L II	7.41	31.23	316	302	300
RGPP L III	0.00	0.00	0	0	0
	7.41	31.23			300
Tata					
Trombay 4	2.82	11.09	130	101	120
Trombay 5	12.12	48.48	505	505	500
Trombay 6	12.24	48.82	510	510	500
Trombay 7A	2.35	9.00	100	90	100
Trombay 7B	0.00	0.00	0	0	0
TATA Hydro	3.67	11.47	308	2	297
	33.20	128.85			1517
REL					
1&2	12.67	50.74	530	524	500
	12.67	50.74			500
Cent Sect					
Share					3685
					3685

MS PG CL	Thermal	121.66	482.26		5145
	Thml+Gas	135.43	536.44		5745
	Hydro	24.20	92.02		1487
	Total	159.62	628.46		7232
State Total		218.13	853.44		13234

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 04/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	5108	363	483	5954	308	201	3168	3183	-65	-17	9634	2110	11744	1772	13516	49.11
2	5062	235	493	5790	311	197	3028	3121	79	139	9558	2128	11686	1608	13294	49.16
3	5115	290	505	5910	313	209	2959	3193	151	219	9844	2162	12006	1528	13534	49.25
4	5123	295	500	5918	314	200	2910	3249	199	267	9948	2029	11977	1480	13457	49.37
5	5139	405	495	6039	312	222	2894	3027	222	288	9888	2495	12383	1459	13842	49.13
6	5117	1018	506	6641	314	235	2964	3078	151	209	10477	2755	13232	1539	14771	49.10
7	5143	634	630	6407	316	230	3034	3008	53	81	10042	3818	13860	1676	15536	49.10
8	5183	402	664	6249	316	173	3422	3242	-17	14	9994	4165	14159	1781	15940	49.23
9	5093	406	656	6155	313	141	3468	3609	-67	-41	10177	4274	14451	1933	16384	49.10
10	5079	823	635	6537	308	116	3699	3696	-303	-257	10400	4387	14787	2269	17056	49.13
11	5102	1012	608	6722	304	97	3759	3885	-361	-319	10689	3822	14511	2371	16882	49.11
12	5060	1521	581	7162	302	74	3662	3772	-525	-491	10819	3863	14682	2566	17248	49.08
13	5039	1754	581	7374	304	63	3708	3906	-540	-488	11159	3706	14865	2563	17428	49.17
14	5005	1769	595	7369	303	57	3843	3867	-559	-506	11090	3695	14785	2500	17285	49.26
15	5008	1307	593	6908	302	114	3836	3852	-559	-499	10677	3561	14238	2515	16753	49.12
16	4975	1294	598	6867	302	155	3834	3904	-559	-510	10718	3867	14585	2535	17120	49.16
17	5032	1230	602	6864	304	211	3716	3782	-443	-394	10767	3668	14435	2423	16858	49.19
18	5099	1100	609	6808	307	251	3744	3879	-492	-433	10812	3466	14278	2427	16705	49.38
19	5110	1455	610	7175	308	299	3618	3705	-368	-309	11200	3764	14964	2310	17274	49.33
20	5120	1582	610	7312	308	328	3519	3633	-462	-399	11204	4001	15205	2425	17630	49.17
21	5044	1890	611	7545	311	358	3445	3437	-388	-320	11353	3532	14885	2343	17228	49.27
22	5088	1596	556	7240	311	349	3425	3536	-273	-202	11258	3543	14801	2161	16962	49.25
23	5077	1085	522	6684	309	430	3469	3574	-277	-208	10813	3378	14191	2078	16269	49.11
24	5097	729	522	6348	311	371	3320	3497	-178	-101	10450	2779	13229	1884	15113	49.23
MUs	122.02	24.20	13.76	159.98	7.41	5.08	82.44	84.64	-5.58	-4.28	252.97	80.97	333.94	50.15	384.08	49.19

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 04/Mar/2009

Position as on 6.30 Hrs of 05/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.	10/03/2009
Parli Unit 4	210	26/02/2009	15.01		Continued.	Furnace Pressure High	06/03/2009
Koradi Unit 3	105	01/03/2009	21.31	04/03/2009	12.30	Condensor Tube Leakage	
Koradi Unit 4	115	02/03/2009	09.19	04/03/2009	20.45	Condensor Valve problem.	
Dabhol 1X	290	02/03/2009	23.51		Continued.	Boroscopic Inspection.	05/03/2009
Dabhol 1A	230	02/03/2009	23.52		Continued.	Boroscopic Inspection.	05/03/2009
Khaparkheda Unit 4	210	03/03/2009	07.43	04/03/2009	21.05	Boiler Tube Leakage	
Cent_Sect NTPC(V-7)	500	04/03/2009	05.57		Continued.	Boiler Tube Leakage	05/03/2009
Chandrapur Unit 4	210	04/03/2009	08.12		Continued.	Boiler Tube Leakage	07/03/2009

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 04/Mar/2009

Position as on 6.30 Hrs of 05/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-I	01/03/2009	01.51		Continued.	H/T FOR O/V
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC Pole - II Padgha Breaker	04/03/2009	11.40	04/03/2009	15.24	Attending Hot Spot on A Bus Isolator and Breaker.Line Taken on TBC.
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
M.B.I at Lamboti.	04/03/2009	10.40	04/03/2009	15.25	Q.M. WORK
400/220KV 500MVA ICT @ JEJURI	05/03/2009	06.11		Continued.	To Attend L.V.Side R ph C.T.Oil Leakage.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
ICT-III @ Kalwa	03/03/2009	09.40		Continued.	Oil Filtration Work.
Karad - Peth	03/03/2009	10.12		Continued.	Dynamic CRM Test.
Bhandara - Kanhan	03/03/2009	13.54		Continued.	RETROFITTING
220 KV Main Bus - I @ Butibori	04/03/2009	07.20	04/03/2009	18.15	Work of High Level Beam & Bus Stringing Work of New 25 MVA T/F.
Khaparkhedra - Kanhan - I	04/03/2009	08.57	04/03/2009	14.09	Q.M. WORK
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Ambazari-Wardha	03/03/2009	18.14	04/03/2009	22.44	Hand Tripped to Control Over Loading of ICT @ Koradi.
Pusad -Parbhani	03/03/2009	18.36	04/03/2009	06.51	Hand Tripped to Control Over Loading of ICT @ Koradi.
Butibori - Wardha	03/03/2009	21.15	04/03/2009	22.03	Hand Tripped to Control Over Loading of ICT @ Koradi.
Voltage Level : 220KV			Outage Type TRIPPED		
220/110 KV T/F - 3 @ Mudshingi	03/03/2009	23.45	04/03/2009	19.40	L V Side Y ph C T Burst.Differential Prot. Optd.
K'gaon-Lonand	04/03/2009	01.17	04/03/2009	18.02	Tripped on Back up E/F Protection.
K'gaon-Pirangut	04/03/2009	13.10	04/03/2009	13.56	Tripped on Dist.Prot.
Vita - Karkambh	04/03/2009	18.23	04/03/2009	18.38	Tripped
Karkumbh-Jeur	04/03/2009	18.23	04/03/2009	18.38	Tripped at Both Ends

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 05/Mar/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	75
Unit 2	105	75
Unit 3	105	60
Unit 4	105	60
Unit 5	200	170
Unit 6	210	0
Unit 7	210	150
	1040	590
Bhusawal		
Unit 1	58	50
Unit 2	210	185
Unit 3	210	190
	478	425
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	120
Unit 4	210	0
Unit 5	210	120
Unit 6	250	100
	940	380
Chandrapur		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	210
Unit 4	210	0
Unit 5	500	450
Unit 6	500	410
Unit 7	500	460
	2340	1870
Paras		
Unit 2	55	45
Unit 3	250	180
	305	225
Khaparkheda		
Unit 1	210	190
Unit 2	210	180
Unit 3	210	200
Unit 4	210	180
	840	750
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	550
	852	550
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	0
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	277
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	3405
	3143	3405

	17146	12799
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