



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

State Load Dispatch Center, Airoli

Daily system Report

for

01/Apr/2009

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	125.499	125.499	1) Madhya Pradesh	62.970	62.970
2) Hydro	14.584	14.584	2) Gujrat	19.819	19.819
3) Gas	13.753	13.753	3) Goa	-6.224	-6.224
Total MSGENCO	153.836	153.836	4) TAPS 1&2 (Inj.)	7.247	7.247
B) OTHERS			5) Pench (Excess)	-0.123	-0.123
1) RGPPL Gas	15.000	15.000	# Total Cent. Sector	83.689	83.689
2) Wind Generation	4.152	4.152	F) Other Exchanges		
3) PENCH (MS)	0.123	0.123	1) With TPCL	-3.894	-3.894
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	32.422	32.422	1) MSEDCL Bilateral	9.718	9.718
2) TPCL Hydro	6.339	6.339	Include PX	1.114	1.114
TOTAL TPCL	38.761	38.761	2) MUMBAI Bilateral	4.886	4.886
3) REL Thermal	12.645	12.645	Include PX	1.380	1.380
D) STATE			3) MUMBAI Schedule	4.886	4.886
1) Thermal (A1+C1+C3)	170.566	170.566	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	21.046	21.046	1) MSEDCL	252.906	253.029
3) Gas (A3+B1)	28.753	28.753	2) TPCL	37.078	37.078
4) Wind (B2)	4.152	4.152	3) REL	18.223	18.223
TOTAL STATE	224.517	224.517	TOTAL STATE	308.207	308.330

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5332	5127	5223
MSGENCO Hydro	347	1611	156
MSGENCO Gas	579	576	594
MSGENCO Total Generation	6258	7314	5973
Central Sector Receipt	3549	3557	3312
RGPPL	623	623	627
WIND	244	144	153
Exchange with TPCL	-311	-269	63
MSEDCL DEMAND MET	10363	11393	10128
Load Shedding	3466	3694	1612
MSEDCL DEMAND (INCL. LS)	13829	15087	11740
TPCL GENERATION	1809	1817	1241
REL GENERATION	528	523	529
TPCL+REL DEMAND	2648	2609	1707
STATE DEMAND MET	13011	14002	11835
STATE DEMAND (INCL. LS)	16477	17696	13447
Frequency (Hz)	49.72	49.37	49.59
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4233 MW At 22.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			83.88 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.31 Hz at 07.30 Hrs	48.9 Hz at 22.49 Hrs	49.62	.87 % 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/Apr/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.54	1.54	76	35	70
Unit 2	0.00	0.00	0	0	0
Unit 3	1.57	1.57	73	57	70
Unit 4	1.65	1.65	78	56	70
Unit 5	2.84	2.84	150	0	150
Unit 6	3.70	3.70	204	99	150
Unit 7	3.52	3.52	176	116	150
	14.83	14.83			660
Bhusawal					
Unit 1	0.49	0.49	25	0	25
Unit 2	4.36	4.36	191	171	190
Unit 3	4.54	4.54	202	180	190
	9.39	9.39			405
Parli					
Unit 1	0.57	0.57	25	22	20
Unit 2	0.60	0.60	26	23	20
Unit 3	3.41	3.41	151	123	140
Unit 4	3.06	3.06	156	0	150
Unit 5	3.57	3.57	157	135	150
Unit 6	5.52	5.52	257	207	225
	16.73	16.73			705
Chandrapur					
Unit 1	4.13	4.13	177	164	170
Unit 2	4.13	4.13	177	169	170
Unit 3	4.72	4.72	209	159	210
Unit 4	4.71	4.71	209	161	210
Unit 5	10.24	10.24	469	385	450
Unit 6	10.00	10.00	446	381	450
Unit 7	9.76	9.76	422	372	450
	47.69	47.69			2110
Paras					
Unit 2	1.12	1.12	49	44	45
Unit 3	0.00	0.00	0	0	0
	1.12	1.12			45
Khaparkheda					
Unit 1	4.44	4.44	202	172	190
Unit 2	4.61	4.61	202	187	200
Unit 3	4.63	4.63	203	184	200
Unit 4	4.66	4.66	210	183	190
	18.34	18.34			780
Nasik					
Unit 1	2.22	2.22	97	90	95
Unit 2	1.71	1.71	78	68	70
Unit 3	4.44	4.44	201	169	190
Unit 4	4.58	4.58	202	166	195
Unit 5	4.44	4.44	204	166	200
	17.40	17.40			750
Uran					
All Units	13.75	13.75	614	483	580
	13.75	13.75			580
Koyna					
Stage 1-2	2.89	2.89	440	35	600
Stage 4	6.93	6.93	1096	0	250
Koyna 12&4 Total	9.82	9.82			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	1.92	1.92	240	0	320
	11.74	11.74			1170
Hydro					
KDPH	0.92	0.92	39	38	36
VTRNA	0.00	0.00	0	0	0
TILLARI	0.40	0.40	60	0	60
BHTGR/VEER	0.73	0.73	31	30	40
BHIRA T.R.	0.28	0.28	80	0	80
RNGR+BHTSA	0.30	0.30	15	12	14
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.00	0.00	0	0	0
GHATGHAR	0.22	0.22	125	0	0
	2.85	2.85			230
PENCH (MS)					
Pench (MS)	0.12	0.12	24	0	
	0.12	0.12			
Wind					
MalharPeth	0.29	0.29			
Vankuswadi	0.76	0.76			
ATIT	0.11	0.11			
Kale	0.16	0.16			
Satara	0.30	0.30			
Shirala	0.23	0.23			
K Mahankal	0.03	0.03			
Supa	0.22	0.22			
Vita	0.96	0.96			
Dondaicha	0.30	0.30			
Sakri	0.08	0.08			
Nandurbar	0.03	0.03			
Khadakale	0.58	0.58			
Khaparale	0.09	0.09			
	4.15	4.15			
Dabhol					
RGPP L II	15.00	15.00	634	618	600
RGPP L III	0.00	0.00	0	0	
	15.00	15.00			600
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.98	11.98	500	490	500
Trombay 6	11.28	11.28	510	270	500
Trombay 7A	2.29	2.29	100	86	90
Trombay 7B	1.44	1.44	62	57	90
Trombay 8	5.43	5.43	249	156	250
TATA Hydro	6.34	6.34	466	2	440
	38.76	38.76			1870
REL					
1&2	12.64	12.64	532	501	500
	12.64	12.64			500
Cent Sect					
Share					3473
					3473

MS PG CL	Thermal	125.50	125.50			5455
	Thml+Gas	139.25	139.25			6035
	Hydro	14.58	14.58			1400
	Total	153.84	153.84			7435
State Total		224.52	224.52			13878

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 01/Apr/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	5230	360	596	6186	630	171	2998	3321	14	50	10358	1625	11983	1979	13962	49.61
2	5262	126	594	5982	627	147	2998	3223	14	61	10040	1650	11690	1836	13526	49.61
3	5223	156	594	5973	627	153	2947	3312	14	63	10128	1612	11740	1707	13447	49.59
4	5253	156	597	6006	630	211	2932	3408	14	67	10322	1670	11992	1638	13630	49.81
5	5257	151	610	6018	631	214	2968	3396	14	67	10326	2254	12580	1626	14206	49.88
6	5294	679	606	6579	631	247	3004	3210	14	67	10734	2529	13263	1636	14899	49.52
7	5407	142	608	6157	630	270	3099	2989	14	67	10113	3635	13748	1820	15568	49.77
8	5372	126	614	6112	634	228	3373	2835	67	111	9920	3805	13725	1829	15554	50.16
9	5395	140	608	6143	628	250	3247	3098	-42	8	10127	3733	13860	2066	15926	49.89
10	5361	232	592	6185	622	268	3560	3507	-347	-313	10269	3712	13981	2417	16398	49.69
11	5332	347	579	6258	623	244	3571	3549	-347	-311	10363	3466	13829	2648	16477	49.72
12	5322	500	563	6385	621	225	3626	3654	-423	-380	10505	3474	13979	2750	16729	49.65
13	5373	878	552	6803	623	140	3623	3746	-423	-429	10883	3407	14290	2754	17044	49.74
14	5285	604	526	6415	621	101	3539	3848	-347	-324	10661	3410	14071	2722	16793	49.73
15	5231	636	494	6361	618	73	3613	3847	-423	-415	10484	3453	13937	2814	16751	49.52
16	5253	542	508	6303	619	90	3612	3673	-423	-415	10270	3725	13995	2814	16809	49.59
17	5159	401	554	6114	618	134	3888	4058	-427	-402	10522	3542	14064	2789	16853	49.60
18	5118	449	567	6134	620	181	3806	3955	-369	-322	10568	3219	13787	2692	16479	49.59
19	5065	775	576	6416	623	181	3777	3831	-285	-232	10837	3480	14317	2576	16893	49.48
20	5127	1611	576	7314	623	144	3553	3557	-314	-269	11393	3694	15087	2609	17696	49.37
21	5038	1777	579	7394	624	115	3435	3422	-270	-199	11380	3296	14676	2502	17178	49.35
22	5069	1533	579	7181	625	123	3427	3362	-260	-192	11123	3311	14434	2396	16830	49.30
23	5095	1257	532	6884	626	126	3430	3469	-221	-171	10958	3116	14074	2389	16463	49.32
24	5020	1006	483	6509	626	116	3274	3429	-129	-81	10609	2574	13183	2291	15474	49.31
MUs	125.54	14.58	13.69	153.81	15.00	4.15	81.30	83.70	-4.89	-3.89	252.89	73.39	326.28	55.30	381.58	49.62

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/Apr/2009

Position as on 6.30 Hrs of 02/Apr/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
Paras Unit 3	250	10/03/2009	02.03		Continued.	PG Test	03/04/2009
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 1B	230	22/01/2009	12.05		Continued.	BHMS Installation work	
Dabhol 1X	290	16/03/2009	17.01		Continued.	No insurance.	
Dabhol 1A	230	16/03/2009	17.05		Continued.	No insurance.	
Tata Trombay 4	150	26/03/2009	16.21		Continued.	W/dn	
Koradi Unit 2	105	30/03/2009	12.47		Continued.	ID Fan Problem	02/04/2009
Cent_Sect NTPC (K-2)	210	01/04/2009	02.01	02/04/2009	01.16	Boiler Tube Leakage	04/04/2009
Koradi Unit 5	200	01/04/2009	18.35	01/04/2009	20.47	Furnance Pressure Low.	
Parli Unit 4	210	01/04/2009	20.41	02/04/2009	03.06	Instrument control failed.	02/04/2009
Bhusawal Unit 1	58	01/04/2009	22.14		Continued.	Boiler Tube Leakage	04/04/2009

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

Position as on 6.30 Hrs of 02/Apr/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
DHULE-SAR'SAROVAR-I	28/03/2009	18:15		Continued.	H/T FOR O/V
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
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,315 MVA ICT-III at Padgha	23/03/2009	09.57		Continued.	L.V.Main Brk.replacement,L.V.Side On TBC.
400/220 KV,105 MVA Spare ICT-I at Karad S/S.	24/03/2009	12.56		Continued.	Attending oil leakage from neutral bushing.
New Koyna - StageIV - I	30/03/2009	22.11	01/04/2009	22.59	B Ph.CVT Repl.
400/220 KV,315 MVA ICT-I at Koradi.	01/04/2009	08.57	01/04/2009	17.56	'Y' Ph.PT replacement.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT-II @ Kalmeshwar	25/03/2009	16.30		Continued.	Augmentation of 100MVA ICT by 200MVA ICT
Main Bus at Bale S/S.	01/04/2009	10.05	01/04/2009	18.28	Jumpering,Testing relay replacewment.
220/132 kv,80 MVA ICT at Hinganghat	01/04/2009	10.45	01/04/2009	15.00	SFRA Test.
Chandrapur-Chandrapur MIDC	01/04/2009	11.06	01/04/2009	14.35	Relay Testing Work.
Ghodbander-Varsova-II	01/04/2009	13.45	01/04/2009	18.26	Insulator Replacement
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Madgi-Kawlewada-II	10/02/2009	16.20		Continued.	C.B. replacement work.
Beed- Raimoha	01/04/2009	10.15	01/04/2009	18.44	Line Maint.work.
Voltage Level : 400KV			Outage Type TRIPPED		
spare ICT @Kalwa	07/03/2009	01.20		Continued.	Trip on PRV
600 MVA ICT I AT KALWA	31/03/2009	05.55		Continued.	Buchhloz Trip. R Ph. Unit Caught Fire.
Bablswr-Padgha Ckt I	01/04/2009	04.08	01/04/2009	05.10	Tripped ,Dist.Prot.
Voltage Level : 220KV			Outage Type TRIPPED		
220KV TBC BAY at Chandrapur.	28/03/2009	02:50		Continued.	B Phase CT Burst
Bhusawal-Chalisgaon-II	01/04/2009	12.54	01/04/2009	13.22	Tripped on Dist.Prot.,B-N.
Bhusawal-Chalisgaon-II	01/04/2009	14.44	01/04/2009	18.12	Tripped on Dist.Prot. R to B Ph.
Voltage Level : 132KV			Outage Type TRIPPED		
Madgi-Bhandara-I	30/03/2009	14.45		Continued.	Y Ph. CT Burst at Madgi.
132/11 kv,25 MVA T/F at Pardi	01/04/2009	20.09		Continued.	HV Side 'Y'Ph.CT Burst.
Pardi- Besa	01/04/2009	20.09	01/04/2009	20.38	Tripped on Back up Prot.
Pardi- Kanhan	01/04/2009	20.09	01/04/2009	20.53	Tripped on Back up Prot.
Pardi-Ambazari	01/04/2009	20.09	01/04/2009	20.36	Tripped on Back up Prot.
null					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Chandrapur MIDC - Gadchandur	01/04/2009	14.45	01/04/2009	16.22	Relay Testing Work.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 02/Apr/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	0
Unit 3	105	70
Unit 4	105	70
Unit 5	200	150
Unit 6	210	140
Unit 7	210	120
	1040	620
Bhusawal		
Unit 1	58	0
Unit 2	210	190
Unit 3	210	200
	478	390
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	140
Unit 4	210	145
Unit 5	210	145
Unit 6	250	230
	940	700
Chandrapur		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	210
Unit 4	210	210
Unit 5	500	450
Unit 6	500	450
Unit 7	500	450
	2340	2110
Paras		
Unit 2	55	45
Unit 3	250	0
	305	45
Khaparkheda		
Unit 1	210	200
Unit 2	210	190
Unit 3	210	210
Unit 4	210	200
	840	800
Nasik		
Unit 1	120	90
Unit 2	120	90
Unit 3	210	190
Unit 4	210	190
Unit 5	210	200
	870	760
Uran		
All Units	852	500
	852	500
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	0
TILLARI	60	60
BHTGR/VEER	21	30
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	221
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	600
RGPL III	740	
	1480	600
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	100
Trombay 7B	60	60
Trombay 8	250	240
TATA Hydro	444	447
	2024	1847
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3603
	3143	3603

	17396	13866
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