



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

State Load Dispatch Center, Airoli

Daily system Report

for

05/Apr/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 05/Apr/2009 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	125.723	628.930	1) Madhya Pradesh	59.790	308.688
2) Hydro	14.803	85.675	2) Gujrat	22.986	105.145
3) Gas	14.825	68.298	3) Goa	-6.555	-31.635
Total MSGENCO	155.351	782.903	4) TAPS 1&2 (Inj.)	7.243	36.168
B) OTHERS			5) Pench (Excess)	-0.052	-0.515
1) RGPPL Gas	14.791	74.532	# Total Cent. Sector	83.412	417.851
2) Wind Generation	4.284	17.691	F) Other Exchanges		
3) PENCH (MS)	0.052	0.683	1) With TPCL	-4.658	-28.157
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	27.300	153.736	1) MSEDCL Bilateral	5.389	41.186
2) TPCL Hydro	1.367	21.306	Include PX	0.000	5.811
TOTAL TPCL	28.667	175.042	2) MUMBAI Bilateral	5.432	33.485
3) REL Thermal	12.660	63.202	Include PX	0.662	9.777
D) STATE			3) MUMBAI Schedule	5.732	35.485
1) Thermal (A1+C1+C3)	165.683	845.868	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	16.222	107.664	1) MSEDCL	253.232	1266.018
3) Gas (A3+B1)	29.616	142.830	2) TPCL	29.527	175.979
4) Wind (B2)	4.284	17.691	3) REL	16.454	90.416
TOTAL STATE	215.805	1114.053	TOTAL STATE	299.213	1532.413

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5357	5320	5115
MSGENCO Hydro	177	789	1029
MSGENCO Gas	658	642	558
MSGENCO Total Generation	6192	6751	6702
Central Sector Receipt	3744	3600	2888
RGPPL	627	623	625
WIND	112	400	108
Exchange with TPCL	-183	-200	-182
MSEDCL DEMAND MET	10492	11174	10145
Load Shedding	4076	3401	1674
MSEDCL DEMAND (INCL. LS)	14568	14575	11819
TPCL GENERATION	1103	1348	1090
REL GENERATION	528	525	529
TPCL+REL DEMAND	1814	2073	1801
STATE DEMAND MET	12306	13247	11946
STATE DEMAND (INCL. LS)	16382	16648	13620
Frequency (Hz)	50.03	49.64	49.27
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4466 MW AT 10.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			82.47 MUs

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.53 Hz at 08.03 Hrs	48.84 Hz at 00.16 Hrs	49.72	.39 % 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 05/Apr/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.80	8.36	82	64	75
Unit 2	0.00	0.00	0	0	0
Unit 3	1.83	8.25	83	70	75
Unit 4	1.84	8.54	88	66	75
Unit 5	3.49	17.61	154	129	150
Unit 6	3.59	18.64	158	140	150
Unit 7	3.50	18.21	158	119	120
	16.05	79.62			645
Bhusawal					
Unit 1	0.60	1.66	29	20	25
Unit 2	4.14	21.28	184	162	180
Unit 3	4.18	21.76	187	164	180
	8.92	44.70			385
Parli					
Unit 1	0.56	2.80	25	22	20
Unit 2	0.58	2.96	25	22	20
Unit 3	3.38	16.84	158	120	145
Unit 4	3.54	16.81	156	138	150
Unit 5	3.64	17.98	161	144	150
Unit 6	5.27	26.38	248	198	220
	16.95	83.77			705
Chandrapur					
Unit 1	4.00	20.32	175	145	170
Unit 2	4.05	20.48	174	161	170
Unit 3	4.42	22.33	210	146	170
Unit 4	4.60	22.88	204	158	210
Unit 5	9.95	49.99	471	372	450
Unit 6	9.58	48.53	440	360	450
Unit 7	7.89	45.62	390	270	350
	44.50	230.15			1970
Paras					
Unit 2	1.16	4.60	52	40	25
Unit 3	5.64	13.61	250	214	250
	6.80	18.21			275
Khaparkheda					
Unit 1	4.50	22.96	194	176	185
Unit 2	4.48	22.72	196	181	185
Unit 3	4.25	22.86	196	158	185
Unit 4	4.51	23.50	196	177	185
	17.74	92.04			740
Nasik					
Unit 1	0.00	3.50	0	0	0
Unit 2	2.18	10.37	106	74	88
Unit 3	4.23	22.26	190	171	170
Unit 4	4.19	22.42	182	170	175
Unit 5	4.15	21.90	176	167	178
	14.75	80.45			611
Uran					
All Units	14.82	68.30	666	552	600
	14.82	68.30			600
Koyna					
Stage 1-2	2.98	19.47	310	35	600
Stage 4	7.42	39.01	760	0	250
Koyna 12&4 Total	10.40	58.48			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	2.10	12.03	214	0	320
	12.50	70.52			1170
Hydro					
KDPH	0.00	3.05	0	0	36
VTRNA	0.00	0.00	0	0	0
TILLARI	0.41	2.03	60	0	60
BHTGR/VEER	0.72	3.61	30	30	30
BHIRA T.R.	0.17	1.27	82	0	80
RNGR+BHTSA	0.31	1.60	13	13	5
BHANDARDRA	0.62	2.11	26	26	26
ELDARY	0.06	0.06	5	0	0
PAITHAN	0.00	0.11	0	0	10
GHATGHAR	0.00	1.32	0	0	0
	2.30	15.16			247
PENCH (MS)					
Pench (MS)	0.05	0.68	24	0	0
	0.05	0.68			0
Wind					
MalharPeth	0.16	1.04			
Vankuswadi	0.42	2.53			
ATIT	0.06	0.40			
Kale	0.16	0.80			
Satara	0.17	1.08			
Shirala	0.13	1.02			
K Mahankal	0.05	0.10			
Supa	0.16	1.03			
Vita	0.63	2.88			
Dondaicha	1.35	3.19			
Sakri	0.33	0.79			
Nandurbar	0.14	0.28			
Khadakale	0.44	2.07			
Khaparale	0.10	0.51			
	4.28	17.69			
Dabhol					
RGPP L II	14.79	74.53	631	407	600
RGPP L III	0.00	0.00	0	0	0
	14.79	74.53			600
Tata					
Trombay 4	0.30	0.30	33	0	0
Trombay 5	12.03	59.92	505	500	500
Trombay 6	11.22	57.84	510	320	500
Trombay 7A	2.31	11.15	123	91	90
Trombay 7B	1.45	7.12	68	58	90
Trombay 8	0.00	17.40	0	0	0
TATA Hydro	1.37	21.31	211	0	447
	28.67	175.04			1627
REL					
1&2	12.66	63.20	530	525	500
	12.66	63.20			500
Cent Sect					
Share					3304
					3304

MS PG CL	Thermal	125.72	628.93		5331
	Thml+Gas	140.55	697.23		5931
	Hydro	14.80	85.68		1417
	Total	155.35	782.90		7348
State Total		215.80	1114.05		13379

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 05/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	5085	1127	552	6764	626	191	2961	2759	-220	-186	10178	1754	11932	2086	14018	49.32
2	5076	878	552	6506	625	139	2962	2862	-220	-186	9970	1768	11738	1905	13643	49.32
3	5115	1029	558	6702	625	108	2961	2888	-220	-182	10145	1674	11819	1801	13620	49.27
4	5130	1134	560	6824	628	102	2963	2928	-120	-84	10398	1607	12005	1681	13686	49.43
5	5133	1197	560	6890	629	122	2954	3054	-120	-86	10609	2003	12612	1693	14305	49.50
6	5215	1263	620	7098	630	129	2954	2955	-120	-85	10727	2421	13148	1721	14869	49.54
7	5240	405	645	6290	631	171	2993	3151	-120	-89	10154	3500	13654	1725	15379	49.72
8	5320	153	654	6127	630	118	3037	3134	-164	-126	9883	3938	13821	1704	15525	49.71
9	5374	187	666	6227	631	88	3057	3152	-169	-130	9968	4223	14191	1708	15899	50.04
10	5357	177	658	6192	627	112	3130	3744	-220	-183	10492	4076	14568	1814	16382	50.03
11	5305	251	645	6201	625	103	3197	3985	-220	-186	10728	3440	14168	1880	16048	49.94
12	5227	477	628	6332	620	88	3185	4067	-220	-183	10924	3278	14202	1938	16140	49.78
13	5207	485	611	6303	621	90	3274	4188	-315	-261	10941	3198	14139	1968	16107	49.89
14	5190	405	622	6217	623	118	3274	4170	-315	-261	10867	3091	13958	1967	15925	50.08
15	5177	338	626	6141	621	135	3270	4103	-315	-259	10741	3268	14009	1964	15973	49.94
16	5174	174	615	5963	623	148	3268	4186	-315	-261	10659	3526	14185	1970	16155	50.01
17	5226	124	613	5963	624	192	3267	3948	-315	-260	10467	3628	14095	1939	16034	49.95
18	5307	145	620	6072	623	301	3300	3685	-395	-339	10342	3519	13861	1890	15751	49.81
19	5377	241	640	6258	624	430	3252	3419	-304	-246	10485	3180	13665	1888	15553	49.86
20	5320	789	642	6751	623	400	3256	3600	-257	-200	11174	3401	14575	2073	16648	49.64
21	5312	934	628	6874	624	344	3272	3510	-256	-211	11141	3023	14164	2131	16295	49.62
22	5352	957	636	6945	626	295	3273	3350	-255	-204	11012	2832	13844	2166	16010	49.69
23	5286	959	636	6881	625	238	3217	3307	-277	-225	10826	2800	13626	2174	15800	49.57
24	5218	974	638	6830	407	136	3123	3267	-278	-225	10415	2409	12824	2199	15023	49.62
MUs	125.72	14.80	14.83	155.35	14.79	4.30	75.40	83.41	-5.73	-4.66	253.25	71.56	324.80	45.98	370.79	49.72

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 05/Apr/2009

Position as on 6.30 Hrs of 06/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
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	05/04/2009	09:31	W/dn	
Koradi Unit 2	105	30/03/2009	12.47		Continued.	ID Fan Problem	06/04/2009
Nasik Unit 1	125	02/04/2009	14.00		Continued.	Water wall Tube leakage	08/04/2009
Cent_Sect sipat-5	500	03/04/2009	23.46		Continued.	Bearing Vibration Problem.	06/04/2009
Tata Trombay 8	250	04/04/2009	02.25		Continued.	Boiler Tube Leakage	06/04/2009
Dabhol 2X	290	05/04/2009	22:26		Continued.	Combulsion Inspection.	20/04/2009
Dabhol 2B	230	06/04/2009	00:25		Continued.	Combulsion Inspection.	20/04/2009
Tata Trombay 4	150	06/04/2009	02:32	06/04/2009	03:35	Low burner oil pressure.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 05/Apr/2009

Position as on 6.30 Hrs of 06/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.
CHDPR-HVDC CKT-I	05/04/2009	08:34	05/04/2009	20:30	A.C.Filter Problem.
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
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Madgi-Kawlewada-II	10/02/2009	16.20		Continued.	C.B. replacement work.
Voltage Level : 500KV			Outage Type FORCED OUTAGE		
500kv HVDC Pole1	06/04/2009	00:31	06/04/2009	05:18	Thyristor Replacement 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.
Voltage Level : 220KV			Outage Type TRIPPED		
220KV TBC BAY at Chandrapur.	28/03/2009	02:50		Continued.	B Phase CT Burst
Dhule-Chalisgaon	05/04/2009	08:34		Continued.	Conductor Snapped.
BBLSWR-CHLSGN	05/04/2009	08:34	05/04/2009	09:18	Tripped on Distance protection
Chalisgaon-BSL-I	05/04/2009	08:34	05/04/2009	08:52	Tripped.
Chalisgaon - Malegaon	05/04/2009	08:34	05/04/2009	09:07	Tripped.
Bhusawal-Chalisgaon-II	05/04/2009	08:34	05/04/2009	08:52	Tripped.
Kolhapur - Karad - II	05/04/2009	11:22	05/04/2009	11:48	Tripped on Distance protection
220/132 kv,100 MVA ICT at Bhugaon.	05/04/2009	16:30		Continued.	Internal Fault.
Voltage Level : 132KV			Outage Type TRIPPED		
Chikhali - Mehakar	04/04/2009	09.53		Continued.	'Y' Ph.CT Burst.
Chalisgaon-Chalisgaon-I	04/04/2009	20.41		Continued.	R phase C.T.of 132KV chalisgaon ckt-I burst

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 06/Apr/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	0
Unit 3	105	75
Unit 4	105	75
Unit 5	200	140
Unit 6	210	140
Unit 7	210	140
	1040	640
Bhusawal		
Unit 1	58	25
Unit 2	210	175
Unit 3	210	180
	478	380
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	125
Unit 4	210	145
Unit 5	210	150
Unit 6	250	240
	940	700
Chandrapur		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	210
Unit 4	210	210
Unit 5	500	380
Unit 6	500	380
Unit 7	500	400
	2340	1920
Paras		
Unit 2	55	35
Unit 3	250	250
	305	285
Khaparkheda		
Unit 1	210	185
Unit 2	210	185
Unit 3	210	185
Unit 4	210	185
	840	740
Nasik		
Unit 1	120	0
Unit 2	120	60
Unit 3	210	170
Unit 4	210	170
Unit 5	210	170
	870	570
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	0
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	30
BHIRA T.R.	80	80
RNGR+BHTSA	20	13
BHANDARDRA	45	26
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	209
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	100
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1727
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3476
	3143	3476

	17396	13257
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