



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

State Load Dispatch Center, Airoli

Daily system Report

for

31/Mar/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 31/Mar/2009 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	124.603	3689.550	1) Madhya Pradesh	74.063	2115.669
2) Hydro	12.598	393.685	2) Gujrat	18.082	584.198
3) Gas	12.797	402.261	3) Goa	-6.092	-186.954
Total MSGENCO	149.998	4485.496	4) TAPS 1&2 (Inj.)	7.310	215.039
B) OTHERS			5) Pench (Excess)	-0.147	-2.177
1) RGPPL Gas	15.039	404.324	# Total Cent. Sector	93.216	2725.775
2) Wind Generation	3.454	131.140	F) Other Exchanges		
3) PENCH (MS)	0.147	2.226	1) With TPCL	-3.923	-65.736
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	33.020	893.042	1) MSEDCL Bilateral	9.750	286.021
2) TPCL Hydro	4.390	102.348	Include PX	1.083	52.460
TOTAL TPCL	37.410	995.390	2) MUMBAI Bilateral	5.757	116.052
3) REL Thermal	12.488	392.879	Include PX	2.649	19.352
D) STATE			3) MUMBAI Schedule	5.757	119.202
1) Thermal (A1+C1+C3)	170.111	4975.471	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	17.135	498.259	1) MSEDCL	257.931	7685.451
3) Gas (A3+B1)	27.836	806.585	2) TPCL	36.525	963.127
4) Wind (B2)	3.454	131.140	3) REL	17.296	491.117
TOTAL STATE	218.536	6411.455	TOTAL STATE	311.752	9139.695

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5201	5356	5214
MSGENCO Hydro	195	1043	119
MSGENCO Gas	590	595	382
MSGENCO Total Generation	5986	6994	5715
Central Sector Receipt	4105	4012	3801
RGPPL	625	623	630
WIND	195	196	111
Exchange with TPCL	-263	-377	202
MSEDCL DEMAND MET	10648	11490	10459
Load Shedding	3247	3509	893
MSEDCL DEMAND (INCL. LS)	13895	14999	11352
TPCL GENERATION	1585	1725	1300
REL GENERATION	531	521	532
TPCL+REL DEMAND	2379	2623	1630
STATE DEMAND MET	13027	14113	12089
STATE DEMAND (INCL. LS)	16274	17622	12982
Frequency (Hz)	49.86	49.52	49.94
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4147 Mw at 13.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			79.01 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.45 Hz at 18.01 Hrs	49.09 Hz at 00.04 Hrs	49.87	0 % 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 31/Mar/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.48	12.05	83	19	70
Unit 2	0.00	45.25	0	0	0
Unit 3	1.47	38.36	76	45	60
Unit 4	1.38	41.03	79	28	60
Unit 5	3.59	110.77	166	134	150
Unit 6	3.89	77.76	197	138	150
Unit 7	3.48	96.06	165	130	140
	15.29	421.28			630
Bhusawal					
Unit 1	0.59	22.44	27	22	25
Unit 2	4.42	136.38	190	177	190
Unit 3	4.38	142.06	195	168	190
	9.39	300.89			405
Parli					
Unit 1	0.60	16.70	27	22	20
Unit 2	0.60	18.20	26	23	20
Unit 3	3.24	88.95	146	119	135
Unit 4	3.66	79.63	159	144	150
Unit 5	3.57	98.62	161	140	150
Unit 6	3.68	151.08	230	0	195
	15.34	453.17			670
Chandrapur					
Unit 1	4.13	115.05	178	168	170
Unit 2	4.09	112.89	173	165	170
Unit 3	5.01	152.83	211	201	210
Unit 4	4.88	122.58	208	174	210
Unit 5	10.39	277.15	470	378	450
Unit 6	9.51	283.40	458	347	450
Unit 7	9.72	304.60	447	388	425
	47.73	1368.48			2085
Paras					
Unit 2	1.10	33.86	50	42	45
Unit 3	0.00	43.03	0	0	0
	1.10	76.90			45
Khaparkheda					
Unit 1	4.48	118.98	201	162	200
Unit 2	4.41	142.48	192	174	200
Unit 3	4.62	146.71	207	182	200
Unit 4	4.43	139.45	196	174	200
	17.94	547.62			800
Nasik					
Unit 1	2.21	50.50	98	84	95
Unit 2	1.89	59.09	91	58	90
Unit 3	4.76	134.46	205	189	190
Unit 4	4.52	141.12	201	164	190
Unit 5	4.42	136.04	201	165	200
	17.81	521.21			765
Uran					
All Units	12.80	402.26	598	338	450
	12.80	402.26			450
Koyna					
Stage 1-2	4.01	72.82	540	35	600
Stage 4	3.94	175.29	555	0	250
Koyna 12&4 Total	7.96	248.10			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	1.60	52.05	200	0	320
	9.56	300.16			1170
Hydro					
KDPH	0.92	15.04	39	38	36
VTRNA	0.00	7.59	0	0	0
TILLARI	0.42	13.80	60	0	60
BHTGR/VEER	0.58	27.34	24	24	40
BHIRA T.R.	0.17	4.49	82	0	80
RNGR+BHTSA	0.30	10.19	13	12	14
BHANDARDRA	0.00	6.42	0	0	0
ELDARY	0.00	1.14	0	0	0
PAITHAN	0.00	0.00	0	0	0
GHATGHAR	0.66	7.52	120	0	0
	3.04	93.53			230
PENCH (MS)					
Pench (MS)	0.15	2.23	43	0	
	0.15	2.23			
Wind					
MalharPeth	0.19	4.67			
Vankuswadi	0.47	11.93			
ATIT	0.16	1.91			
Kale	0.16	4.06			
Satara	0.21	5.02			
Shirala	0.16	5.19			
K Mahankal	0.10	1.23			
Supa	0.20	4.62			
Vita	0.68	27.16			
Dondaicha	0.42	39.26			
Sakri	0.15	7.22			
Nandurbar	0.03	5.81			
Khadakale	0.47	11.33			
Khaparale	0.05	1.74			
	3.45	131.14			
Dabhol					
RGPP L II	15.04	404.32	631	620	600
RGPP L III	0.00	0.00	0	0	
	15.04	404.32			600
Tata					
Trombay 4	0.00	59.48	0	0	0
Trombay 5	11.98	375.09	500	480	500
Trombay 6	12.06	366.62	510	460	500
Trombay 7A	2.32	67.24	120	71	90
Trombay 7B	1.46	13.45	68	53	90
Trombay 8	5.20	11.15	241	200	250
TATA Hydro	4.39	102.35	406	2	440
	37.41	995.39			1870
REL					
1&2	12.49	392.88	532	454	500
	12.49	392.88			500
Cent Sect					
Share					3762
					3762

MS PG CL	Thermal	124.60	3689.55		5400
	Thml+Gas	137.40	4091.81		5850
	Hydro	12.60	393.68		1400
	Total	150.00	4485.50		7250
State Total		218.54	6411.46		13982

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 31/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	5194	245	338	5777	628	137	3187	3588	-6	72	10202	1445	11647	1832	13479	49.61
2	5198	119	345	5662	629	118	3068	3522	112	199	10130	1445	11575	1693	13268	49.87
3	5228	119	355	5702	630	96	3062	3566	112	201	10195	1244	11439	1667	13106	49.96
4	5214	119	382	5715	630	111	3060	3801	112	202	10459	893	11352	1630	12982	49.94
5	5206	114	460	5780	631	110	3058	3727	112	203	10451	1675	12126	1615	13741	49.99
6	5233	114	468	5815	629	118	3066	3953	112	201	10716	2086	12802	1620	14422	49.73
7	5297	134	482	5913	631	130	2987	3514	191	282	10470	3194	13664	1743	15407	50.00
8	5285	114	555	5954	631	151	3301	3427	157	239	10402	3118	13520	1781	15301	50.09
9	5217	158	590	5965	629	174	3325	3716	-46	22	10506	3251	13757	2011	15768	50.03
10	5201	195	590	5986	625	195	3812	4105	-329	-263	10648	3247	13895	2379	16274	49.86
11	4932	620	588	6140	621	182	3783	4133	-477	-411	10665	2877	13542	2578	16120	49.77
12	4899	935	575	6409	620	128	3870	4250	-571	-507	10900	3127	14027	2764	16791	49.79
13	5014	1119	574	6707	624	88	3908	4328	-609	-545	11202	3121	14323	2726	17049	50.01
14	5023	1168	576	6767	626	72	3774	4063	-477	-407	11121	3159	14280	2599	16879	50.19
15	5074	1092	577	6743	624	62	3866	3967	-571	-501	10895	3286	14181	2684	16865	50.04
16	5105	694	585	6384	622	77	3801	4022	-571	-509	10596	3417	14013	2775	16788	49.94
17	5086	502	595	6183	624	149	4145	4169	-571	-505	10620	3420	14040	2722	16762	50.01
18	5152	502	598	6252	625	109	4061	4349	-506	-435	10900	3089	13989	2653	16642	50.07
19	5328	268	586	6182	624	165	4050	4115	-431	-349	10737	3239	13976	2522	16498	49.87
20	5356	1043	595	6994	623	196	3826	4012	-456	-377	11490	3509	14999	2623	17622	49.52
21	5407	1303	598	7308	627	220	3760	3787	-432	-351	11634	3113	14747	2538	17285	49.68
22	5346	1103	595	7044	629	230	3539	3748	-235	-159	11515	3124	14639	2291	16930	49.70
23	5395	452	598	6445	628	229	3560	3857	-239	-166	11018	2951	13969	2251	16220	49.70
24	5373	366	592	6331	629	203	3369	3732	-136	-59	10850	2400	13250	2124	15374	49.62
MUs	124.76	12.60	12.80	150.16	15.04	3.45	85.24	93.45	-5.76	-3.92	258.32	65.43	323.75	53.82	377.57	49.87

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 31/Mar/2009

Position as on 6.30 Hrs of 01/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
Uran Unit 5	108	30/03/2009	18.56	31/03/2009	03.35	Gas Restriction	
Uran Unit 8	108	30/03/2009	20.25	31/03/2009	05.34	Gas Restriction	
Parli Unit 6	250	31/03/2009	10.08	31/03/2009	12.26	Control valve problem	
Koradi Unit 5	200	01/04/2009	18.35	01/04/2009	20.47	Furnance Pressure Low.	
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 31/Mar/2009

Position as on 6.30 Hrs of 01/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
Theur-Phursungi-I	31/03/2009	08.47	31/03/2009	18.52	LILO work at Magarpatta S/S.
200MVA,220/132KV ICT at Bale	31/03/2009	12.35	31/03/2009	16.50	R.M.Work.
Main Bus at Bale S/S.	01/04/2009	10.05	01/04/2009	18.28	Jumpering,Testing relay replacement.
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.
BBLSR-BHUSAWAL	31/03/2009	13.33	31/03/2009	17.42	Tripped on Dist.Prot.
Bablsr-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
Padgha-Wada	30/03/2009	15.23	31/03/2009	01.03	Tripped on Distance protection
Boisor-Versova	31/03/2009	12.38	31/03/2009	14.55	Tripped at Boiser end only,(Bus Fault)
Borivali-Boisar	31/03/2009	12.38	31/03/2009	18.02	Earth Fault
Boiser- Bus Coupler	31/03/2009	12.38	31/03/2009	17.00	Bus Fault.
Boiser PGCIL-Boiser II	31/03/2009	12.38	31/03/2009	14.57	Tripped, Bus Bar Prot. OPTD
Dahanu-Ghodbandar-2	31/03/2009	12.53	31/03/2009	13.09	Tripped ,Dist.Prot.
Dahanu-Ghodbunder	31/03/2009	14.35	31/03/2009	14.56	Tripped on Dist.Prot.
Kolhapur - Karad - II	31/03/2009	15.15	31/03/2009	15.38	Tripped ,Dist.Prot.
Ghodbandar-Varsowa	31/03/2009	15.16	31/03/2009	16.21	Tripped at Ghodbandar end only,D/P Operated.
Dahanu-Ghodbandar-2	31/03/2009	15.16	31/03/2009	20.35	Tripped on Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 31/Mar/2009

Position as on 6.30 Hrs of 01/Apr/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
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 01/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	150
Unit 7	210	150
	1040	660
Bhusawal		
Unit 1	58	25
Unit 2	210	190
Unit 3	210	190
	478	405
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	140
Unit 4	210	150
Unit 5	210	150
Unit 6	250	225
	940	705
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	190
Unit 2	210	200
Unit 3	210	200
Unit 4	210	190
	840	780
Nasik		
Unit 1	120	95
Unit 2	120	70
Unit 3	210	190
Unit 4	210	195
Unit 5	210	200
	870	750
Uran		
All Units	852	580
	852	580
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	40
BHIRA T.R.	80	80
RNGR+BHTSA	20	14
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	230
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		
RGPPPL II	740	600
RGPPPL III	740	
	1480	600
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	90
Trombay 7B	60	90
Trombay 8	250	250
TATA Hydro	444	440
	2024	1870
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3473
	3143	3473