



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

State Load Dispatch Center, Airoli

Daily system Report

for

11/Apr/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 11/Apr/2009 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	125.225	1379.757	1) Madhya Pradesh	53.644	673.323
2) Hydro	28.884	206.046	2) Gujrat	19.778	241.074
3) Gas	15.187	156.421	3) Goa	-6.116	-68.588
Total MSGENCO	169.296	1742.224	4) TAPS 1&2 (Inj.)	7.171	79.460
B) OTHERS			5) Pench (Excess)	-0.164	-1.266
1) RGPPL Gas	7.739	120.815	# Total Cent. Sector	74.313	924.003
2) Wind Generation	2.653	44.523	F) Other Exchanges		
3) PENCH (MS)	0.164	1.434	1) With TPCL	-1.384	-58.585
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	33.327	341.266	1) MSEDCL Bilateral	10.141	83.659
2) TPCL Hydro	4.449	43.942	Include PX	0.692	8.191
TOTAL TPCL	37.776	385.208	2) MUMBAI Bilateral	2.250	70.850
3) REL Thermal	12.698	139.290	Include PX	-0.727	14.755
D) STATE			3) MUMBAI Schedule	2.250	72.250
1) Thermal (A1+C1+C3)	171.250	1860.313	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	33.497	251.422	1) MSEDCL	252.781	2775.680
3) Gas (A3+B1)	22.926	277.236	2) TPCL	34.612	386.687
4) Wind (B2)	2.653	44.523	3) REL	17.246	196.382
TOTAL STATE	230.326	2433.494	TOTAL STATE	304.639	3358.749

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	5418	5132	5049
MSGENCO Hydro	742	1760	775
MSGENCO Gas	644	626	656
MSGENCO Total Generation	6804	7518	6480
Central Sector Receipt	3049	3383	2743
RGPPL	322	321	324
WIND	142	118	73
Exchange with TPCL	102	-182	-13
MSEDCL DEMAND MET	10419	11205	9607
Load Shedding	3853	3628	1666
MSEDCL DEMAND (INCL. LS)	14272	14833	11273
TPCL GENERATION	1726	1749	1333
REL GENERATION	530	528	531
TPCL+REL DEMAND	2154	2459	1877
STATE DEMAND MET	12573	13664	11484
STATE DEMAND (INCL. LS)	16426	17292	13150
Frequency (Hz)	49.49	49.42	49.57
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4573 MW at 13.00Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			87.11 MUs

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.19 Hz at 16.01 Hrs	48.81 Hz at 19.14 Hrs	49.56	.75 % 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 11/Apr/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.63	17.99	75	62	70
Unit 2	1.74	7.19	80	64	70
Unit 3	1.73	18.25	82	58	70
Unit 4	0.00	10.78	0	0	0
Unit 5	3.78	40.01	172	128	150
Unit 6	3.77	40.99	183	144	160
Unit 7	3.74	40.62	180	138	150
	16.40	175.82			670
Bhusawal					
Unit 1	0.61	6.10	28	20	25
Unit 2	4.12	46.12	184	162	170
Unit 3	4.18	46.83	187	166	175
	8.91	99.06			370
Parli					
Unit 1	0.53	6.21	26	18	20
Unit 2	0.59	6.52	26	23	20
Unit 3	3.30	36.47	149	118	140
Unit 4	3.37	37.83	151	118	140
Unit 5	3.37	38.59	144	135	140
Unit 6	5.52	59.14	245	201	240
	16.68	184.75			700
Chandrapur					
Unit 1	4.16	44.74	180	162	170
Unit 2	3.99	44.78	173	151	170
Unit 3	4.80	51.25	210	176	200
Unit 4	4.69	50.36	209	172	210
Unit 5	9.55	106.91	427	354	400
Unit 6	9.19	104.00	406	365	400
Unit 7	9.60	100.39	446	379	425
	45.98	502.41			1975
Paras					
Unit 2	1.12	9.84	50	44	45
Unit 3	5.10	43.12	239	168	230
	6.22	52.96			275
Khaparkheda					
Unit 1	4.75	50.26	208	173	180
Unit 2	4.43	49.44	195	171	180
Unit 3	0.98	45.90	188	0	0
Unit 4	4.60	50.70	210	179	180
	14.76	196.31			540
Nasik					
Unit 1	1.56	13.80	94	0	90
Unit 2	1.84	16.46	99	56	90
Unit 3	4.62	49.12	204	178	180
Unit 4	4.41	48.87	191	169	180
Unit 5	3.85	40.19	196	0	160
	16.27	168.44			700
Uran					
All Units	15.19	156.42	672	562	650
	15.19	156.42			650
Koyna					
Stage 1-2	3.76	41.24	400	45	600
Stage 4	17.12	99.66	1120	0	250
Koyna 12&4 Total	20.88	140.90			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	4.72	29.81	316	80	320
	25.60	170.72			1170
Hydro					
KDPH	0.31	5.80	39	0	36
VTRNA	0.00	0.00	0	0	0
TILLARI	0.40	4.43	60	0	60
BHTGR/VEER	0.72	7.59	30	30	30
BHIRA T.R.	0.19	2.35	72	0	80
RNGR+BHTSA	0.36	3.71	15	15	16
BHANDARDRA	0.77	6.62	32	32	30
ELDARY	0.18	0.24	8	7	0
PAITHAN	0.06	0.36	12	0	0
GHATGHAR	0.30	4.22	125	0	0
	3.28	35.33			252
PENCH (MS)					
Pench (MS)	0.16	1.43	47	0	
	0.16	1.43			
Wind					
MalharPeth	0.16	2.39			
Vankuswadi	0.35	5.44			
ATIT	0.07	0.96			
Kale	0.10	1.68			
Satara	0.16	2.26			
Shirala	0.24	2.09			
K Mahankal	0.01	0.70			
Supa	0.14	1.93			
Vita	0.33	7.35			
Dondaicha	0.52	10.13			
Sakri	0.13	2.17			
Nandurbar	0.07	1.34			
Khadakale	0.28	4.79			
Khaparale	0.09	1.31			
	2.65	44.52			
Dabhol					
RGPP L II	7.74	120.82	325	320	300
RGPP L III	0.00	0.00	0	0	
	7.74	120.82			300
Tata					
Trombay 4	0.00	6.65	0	0	0
Trombay 5	12.00	132.41	505	440	500
Trombay 6	10.90	125.19	510	180	500
Trombay 7A	2.88	26.54	124	115	80
Trombay 7B	1.64	16.31	69	67	120
Trombay 8	5.91	34.16	251	239	250
TATA Hydro	4.45	43.94	445	0	447
	37.78	385.21			1897
REL					
1&2	12.70	139.29	532	526	500
	12.70	139.29			500
Cent Sect					
Share					3140
					3140

MS PG CL	Thermal	125.22	1379.76		5230
	Thml+Gas	140.41	1536.18		5880
	Hydro	28.88	206.05		1422
	Total	169.30	1742.22		7302
State Total		230.33	2433.49		13139

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 11/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	5042	999	654	6695	324	82	2754	2776	-39	-16	9861	1657	11518	2031	13549	49.56
2	5049	775	656	6480	324	73	2754	2743	-39	-13	9607	1666	11273	1877	13150	49.57
3	5099	1045	658	6802	324	71	2754	2831	-39	-9	10019	1638	11657	1740	13397	49.60
4	5169	1346	662	7177	324	69	2756	2874	-39	-7	10437	1615	12052	1677	13729	49.60
5	5241	1366	663	7270	324	97	2757	2842	-39	-9	10524	1849	12373	1660	14033	49.47
6	5285	1493	668	7446	325	126	2661	2814	59	91	10802	2393	13195	1661	14856	49.51
7	5327	947	672	6946	324	126	2554	2593	170	196	10185	3566	13751	1686	15437	49.80
8	5393	334	670	6397	324	121	2700	2820	320	350	10012	3997	14009	1691	15700	49.74
9	5382	411	669	6462	323	128	2718	2834	247	274	10021	3990	14011	1885	15896	49.61
10	5418	742	644	6804	322	142	2725	3049	96	102	10419	3853	14272	2154	16426	49.49
11	5322	983	625	6930	321	157	3126	3086	-110	-104	10390	3508	13898	2463	16361	49.56
12	5268	1359	608	7235	321	113	3134	3345	-213	-192	10822	3419	14241	2564	16805	49.64
13	5272	1577	592	7441	322	53	3137	3339	-313	-274	10881	3427	14308	2578	16886	49.68
14	5258	1236	562	7056	322	38	3139	3256	-231	-192	10480	3548	14028	2486	16514	49.72
15	5216	1274	575	7065	321	47	3178	3211	-231	-192	10452	3631	14083	2507	16590	49.65
16	5214	1133	590	6937	320	80	3422	3335	-231	-196	10476	3693	14169	2539	16708	49.63
17	5216	851	608	6675	320	136	3470	3432	-231	-194	10369	3706	14075	2527	16602	49.70
18	5203	1062	613	6878	320	142	3440	3304	-202	-159	10485	3335	13820	2400	16220	49.58
19	5186	1421	618	7225	322	151	3111	3166	-117	-74	10826	3371	14197	2309	16506	49.43
20	5132	1760	626	7518	321	118	3178	3383	-226	-182	11205	3628	14833	2459	17292	49.42
21	5174	1920	631	7725	322	136	3212	3385	-226	-164	11428	3335	14763	2386	17149	49.39
22	5188	1644	640	7472	323	160	3288	3424	-221	-157	11246	3096	14342	2241	16583	49.38
23	5107	1718	638	7463	324	147	3250	3266	-196	-131	11092	2819	13911	2171	16082	49.29
24	5064	1488	645	7197	322	144	3169	3205	-197	-132	10746	2392	13138	2166	15304	49.50
MUs	125.22	28.88	15.19	169.30	7.74	2.66	72.39	74.31	-2.25	-1.38	252.78	73.13	325.92	51.86	377.78	49.56

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 11/Apr/2009

Position as on 6.30 Hrs of 12/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
Cent_Sect NTPC (V-1)	210	08/04/2009	21.13		Continued.	Annual Overhaul	28/04/2009
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.	
Cent_Sect sipat-5	500	03/04/2009	23.46		Continued.	Bearing Vibration Problem.	18/04/2009
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
Koradi Unit 4	115	07/04/2009	10.45		Continued.	CHP Belt Problem.	14/04/2009
Tata Trombay 4	150	09/04/2009	02.10		Continued.	W/dn	
Nasik Unit 5	210	09/04/2009	08.35	11/04/2009	01.25	Economizer Tube leakage	
Cent_Sect NTPC(V-7)	500	09/04/2009	17.50	11/04/2009	13:36	Boiler Tube Leakage	
Khaparkheda Unit 3	210	11/04/2009	05.39		Continued.	Boiler Tube Leakage	14/04/2009
Nasik Unit 1	125	11/04/2009	17:05		Continued.	Boiler Tube Leakage	14/04/2009
Cent_Sect Sipat-4	500	11/04/2009	17:50	11/04/2009	20:28	Turbine Prot.	
Cent_Sect NTPC(V-7)	500	12/04/2009	04:22		Continued.	Boiler Tube Leakage	15/04/2009

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 11/Apr/2009

Position as on 6.30 Hrs of 12/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	10/04/2009	23.34	12/04/2009	07.21	H/T FOR O/V
Dhule-Sar'Sarovar II	12/04/2009	02.36		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
400/220 KV,105 MVA Spare ICT-I at Karad S/S.	24/03/2009	12.56		Continued.	Attending oil leakage from neutral bushing.
400 KV TBC at Bhusawal	05/04/2009	22.30		Continued.	Y Pole Oil Leakage.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Bhira-Kandalgaon	10/04/2009	18.30	11/04/2009	01.25	Breaker Maintenance Work.
220/132 KV-ICT-I at Nasik GCR	11/04/2009	08:13	11/04/2009	13:30	Testing Work
220 KV Bus Section Breakar @ Pedambe.	11/04/2009	08:45	11/04/2009	11:15	R.M. Work
BBLSR II- BBLSR L CKT. I	11/04/2009	09:10	11/04/2009	15:58	R.M. Work
Lonikhand-Ranjangaon	11/04/2009	10:35	11/04/2009	17:51	Line Maintenance work.
220/132KV 100MVA ICT-I at Chalisgaon	11/04/2009	14:08	11/04/2009	16:29	Testing Work
PEDAMBE-TAMBATI	12/04/2009	08.24	12/04/2009	16.32	Bay Maintenance work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Madgi-Kawlewada-II	10/02/2009	16.20		Continued.	C.B. replacement work.
Voltage Level : 400KV			Outage Type TRIPPED		
BBLSR-BHUSAWAL	12/04/2009	05.06	12/04/2009	08.12	Trip CKT. Faulty.
Voltage Level : 220KV			Outage Type TRIPPED		
220KV TBC at Dhule	08/04/2009	20.52		Continued.	TBC Bus Y Ph. Isolator Sparking Problem.
Voltage Level : 132KV			Outage Type TRIPPED		
Buldana-Motala	12/04/2009	12.20	12/04/2009	16.50	Tripped on Dist.Prot.
Chikhali - Buldana	12/04/2009	12.20	12/04/2009	12.40	Tripped on Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 12/Apr/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	70
Unit 3	105	70
Unit 4	105	0
Unit 5	200	150
Unit 6	210	150
Unit 7	210	150
	1040	660
Bhusawal		
Unit 1	58	50
Unit 2	210	180
Unit 3	210	175
	478	405
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	140
Unit 4	210	140
Unit 5	210	140
Unit 6	250	240
	940	700
Chandrapur		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	200
Unit 4	210	200
Unit 5	500	325
Unit 6	500	350
Unit 7	500	400
	2340	1815
Paras		
Unit 2	55	40
Unit 3	250	165
	305	205
Khaparkheda		
Unit 1	210	200
Unit 2	210	200
Unit 3	210	0
Unit 4	210	200
	840	600
Nasik		
Unit 1	120	0
Unit 2	120	90
Unit 3	210	180
Unit 4	210	180
Unit 5	210	190
	870	640
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	36
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	30
BHIRA T.R.	80	80
RNGR+BHTSA	20	17
BHANDARDRA	45	30
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	253
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	300
RGPPPL III	740	0
	1480	300
Tata		
Trombay 4	150	0
Trombay 5	500	250
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3235
	3143	3235

	17396	12750
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