



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

State Load Dispatch Center, Airoli

Daily system Report

for

12/Apr/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 12/Apr/2009 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	122.000	1501.757	1) Madhya Pradesh	51.446	724.769
2) Hydro	32.730	238.776	2) Gujrat	21.649	262.723
3) Gas	15.083	171.504	3) Goa	-5.818	-74.406
Total MSGENCO	169.813	1912.037	4) TAPS 1&2 (Inj.)	7.162	86.622
B) OTHERS			5) Pench (Excess)	-0.139	-1.405
1) RGPPL Gas	7.735	128.550	# Total Cent. Sector	74.300	998.303
2) Wind Generation	2.640	47.163	F) Other Exchanges		
3) PENCH (MS)	0.139	1.573	1) With TPCL	-0.886	-59.471
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	29.519	370.785	1) MSEDCL Bilateral	11.128	94.787
2) TPCL Hydro	1.767	45.709	Include PX	3.507	11.698
TOTAL TPCL	31.286	416.494	2) MUMBAI Bilateral	2.040	72.890
3) REL Thermal	12.696	151.986	Include PX	0.259	15.014
D) STATE			3) MUMBAI Schedule	2.040	74.290
1) Thermal (A1+C1+C3)	164.215	2024.528	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	34.636	286.058	1) MSEDCL	253.741	3029.560
3) Gas (A3+B1)	22.818	300.054	2) TPCL	29.290	415.977
4) Wind (B2)	2.640	47.163	3) REL	15.578	211.960
TOTAL STATE	224.309	2657.803	TOTAL STATE	298.609	3657.497

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	5194	5297	4924
MSGENCO Hydro	926	1683	1406
MSGENCO Gas	628	620	649
MSGENCO Total Generation	6748	7600	6979
Central Sector Receipt	3224	3088	3012
RGPPL	322	324	321
WIND	160	162	64
Exchange with TPCL	-52	-129	55
MSEDCL DEMAND MET	10402	11068	10431
Load Shedding	3744	3287	1698
MSEDCL DEMAND (INCL. LS)	14146	14355	12129
TPCL GENERATION	1148	1418	1201
REL GENERATION	531	528	530
TPCL+REL DEMAND	1731	2075	1676
STATE DEMAND MET	12133	13143	12107
STATE DEMAND (INCL. LS)	15877	16430	13805
Frequency (Hz)	49.50	49.38	49.52
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4650 MW at 13.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			91.01 MUs

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.08 Hz at 16:07 Hrs	48.85 Hz at 15:34 Hrs	49.47	2.56 % 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 12/Apr/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.66	19.65	78	62	70
Unit 2	1.73	8.91	77	65	70
Unit 3	1.73	19.98	82	64	70
Unit 4	0.00	10.78	0	0	0
Unit 5	3.72	43.73	177	139	150
Unit 6	3.77	44.76	176	116	150
Unit 7	3.77	44.39	177	141	150
	16.38	192.21			660
Bhusawal					
Unit 1	1.15	7.25	56	24	50
Unit 2	4.15	50.27	180	164	180
Unit 3	4.08	50.92	191	159	175
	9.38	108.44			405
Parli					
Unit 1	0.55	6.75	24	22	20
Unit 2	0.60	7.11	27	23	20
Unit 3	3.39	39.86	150	136	140
Unit 4	3.65	41.48	162	145	140
Unit 5	3.48	42.06	150	139	140
Unit 6	5.22	64.36	230	204	240
	16.88	201.63			700
Chandrapur					
Unit 1	4.15	48.88	181	164	170
Unit 2	4.06	48.84	174	157	170
Unit 3	4.81	56.06	208	160	200
Unit 4	4.70	55.05	199	172	200
Unit 5	8.60	115.50	416	285	325
Unit 6	8.76	112.76	410	340	350
Unit 7	8.92	109.31	421	325	400
	44.00	546.41			1815
Paras					
Unit 2	1.18	11.02	53	46	40
Unit 3	4.60	47.72	231	137	165
	5.78	58.74			205
Khaparkheda					
Unit 1	4.78	55.04	205	190	200
Unit 2	4.48	53.92	201	154	200
Unit 3	0.00	45.90	0	0	0
Unit 4	4.66	55.36	206	172	200
	13.91	210.22			600
Nasik					
Unit 1	0.00	13.80	0	0	0
Unit 2	2.12	18.58	102	71	90
Unit 3	4.62	53.74	204	182	180
Unit 4	4.42	53.29	188	180	180
Unit 5	4.50	44.69	192	182	190
	15.66	184.11			640
Uran					
All Units	15.08	171.50	665	590	640
	15.08	171.50			640
Koyna					
Stage 1-2	4.25	45.49	435	45	600
Stage 4	20.45	120.12	1125	6	250
Koyna 12&4 Total	24.70	165.61			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	5.07	34.89	320	88	320
	29.78	200.49			1170
Hydro					
KDPH	0.00	5.80	0	0	36
VTRNA	0.00	0.00	0	0	0
TILLARI	0.40	4.84	60	0	60
BHTGR/VEER	0.72	8.31	30	30	30
BHIRA T.R.	0.17	2.52	79	0	80
RNGR+BHTSA	0.36	4.07	15	15	17
BHANDARDRA	0.77	7.38	32	32	30
ELDARY	0.06	0.30	13	0	0
PAITHAN	0.06	0.42	11	0	0
GHATGHAR	0.41	4.63	125	0	0
	2.95	38.28			253
PENCH (MS)					
Pench (MS)	0.14	1.57	24	0	
	0.14	1.57			
Wind					
MalharPeth	0.17	2.56			
Vankuswadi	0.39	5.82			
ATIT	0.06	1.02			
Kale	0.14	1.82			
Satara	0.18	2.44			
Shirala	0.13	2.22			
K Mahankal	0.01	0.71			
Supa	0.11	2.03			
Vita	0.65	8.01			
Dondaicha	0.37	10.50			
Sakri	0.09	2.25			
Nandurbar	0.04	1.38			
Khadakale	0.20	4.99			
Khaparale	0.10	1.41			
	2.64	47.16			
Dabhol					
RGPPPL II	7.74	128.55	325	314	300
RGPPPL III	0.00	0.00	0	0	0
	7.74	128.55			300
Tata					
Trombay 4	0.00	6.65	0	0	0
Trombay 5	7.50	139.90	505	240	250
Trombay 6	11.58	136.76	510	290	500
Trombay 7A	2.84	29.38	123	111	120
Trombay 7B	1.62	17.94	69	67	60
Trombay 8	5.99	40.15	253	244	250
TATA Hydro	1.77	45.71	205	0	447
	31.29	416.49			1627
REL					
1&2	12.70	151.99	531	527	500
	12.70	151.99			500
Cent Sect					
Share					3235
					3235

MS PG CL	Thermal	122.00	1501.76		5025
	Thml+Gas	137.08	1673.26		5665
	Hydro	32.73	238.78		1423
	Total	169.81	1912.04		7088
State Total		224.31	2657.80		12750

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 12/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	5013	1292	646	6951	323	88	2865	2955	-7	53	10370	1801	12171	1964	14135	49.40
2	4923	1197	644	6764	322	80	2867	2973	-7	53	10192	1815	12007	1878	13885	49.38
3	4941	1282	646	6869	322	65	2872	2947	-7	55	10258	1781	12039	1775	13814	49.51
4	4924	1406	649	6979	321	64	2874	3012	-7	55	10431	1698	12129	1676	13805	49.52
5	4939	1517	654	7110	323	75	2790	2956	-7	54	10518	1875	12393	1635	14028	49.47
6	4981	1680	661	7322	323	86	2711	3023	-11	49	10803	2391	13194	1664	14858	49.63
7	5084	1092	665	6841	323	98	2709	2847	-9	48	10157	3438	13595	1636	15231	49.65
8	5248	519	662	6429	320	91	3006	2860	2	58	9758	3678	13436	1623	15059	49.57
9	5260	513	648	6421	320	118	3088	2952	-53	6	9817	3814	13631	1649	15280	49.62
10	5194	926	628	6748	322	160	3148	3224	-107	-52	10402	3744	14146	1731	15877	49.50
11	5081	1213	619	6913	323	121	3166	3207	-107	-53	10511	3393	13904	1819	15723	49.51
12	5028	1593	603	7224	314	89	3160	3213	-107	-48	10792	3187	13979	1832	15811	49.44
13	5041	1763	590	7394	324	58	3155	3118	-107	-63	10831	3181	14012	1856	15868	49.39
14	5078	1476	592	7146	321	52	3152	3190	-107	-73	10636	3185	13821	1865	15686	49.50
15	5069	1385	598	7052	322	79	3152	3146	-107	-73	10526	3303	13829	1873	15702	49.26
16	5082	1360	600	7042	323	100	3183	3164	-107	-66	10563	3238	13801	1900	15701	49.27
17	5007	1135	607	6749	323	139	3186	3255	-107	-71	10395	3219	13614	1913	15527	49.72
18	4984	1311	610	6905	322	107	3268	3447	-190	-151	10630	2937	13567	1872	15439	49.61
19	5176	1331	613	7120	324	154	3286	3340	-201	-165	10793	2993	13786	1863	15649	49.52
20	5297	1683	620	7600	324	162	3070	3088	-161	-129	11068	3287	14355	2075	16430	49.38
21	5320	1618	628	7566	323	192	3085	3163	-157	-103	11165	3052	14217	2154	16371	49.43
22	5244	1714	631	7589	324	172	3093	3166	-144	-112	11163	2794	13957	2168	16125	49.32
23	5077	1926	630	7633	325	152	3034	3071	-114	-75	11130	2699	13829	2209	16038	49.23
24	5009	1798	639	7446	324	129	2941	2983	-115	-83	10823	2321	13144	2238	15382	49.45
MUs	122.00	32.73	15.08	169.81	7.74	2.63	72.86	74.30	-2.04	-0.89	253.73	68.82	322.56	44.87	367.42	49.47

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 12/Apr/2009

Position as on 6.30 Hrs of 13/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	
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 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 12/Apr/2009

Position as on 6.30 Hrs of 13/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		
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 13/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	130
Unit 6	210	140
Unit 7	210	130
	1040	610
Bhusawal		
Unit 1	58	50
Unit 2	210	175
Unit 3	210	175
	478	400
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	140
Unit 4	210	140
Unit 5	210	140
Unit 6	250	200
	940	660
Chandrapur		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	160
Unit 4	210	150
Unit 5	500	400
Unit 6	500	420
Unit 7	500	450
	2340	1880
Paras		
Unit 2	55	45
Unit 3	250	230
	305	275
Khaparkheda		
Unit 1	210	200
Unit 2	210	180
Unit 3	210	0
Unit 4	210	200
	840	580
Nasik		
Unit 1	120	0
Unit 2	120	92
Unit 3	210	198
Unit 4	210	180
Unit 5	210	198
	870	668
Uran		
All Units	852	620
	852	620
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	17
BHANDARDRA	45	30
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	217
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		
RGPPL II	740	300
RGPPL III	740	
	1480	300
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3014
	3143	3014

	17396	12771
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