



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

State Load Dispatch Center, Airoli

Daily system Report

for

14/Apr/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 14/Apr/2009 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	125.301	1746.486	1) Madhya Pradesh	50.448	825.729
2) Hydro	27.956	303.676	2) Gujrat	22.769	307.769
3) Gas	15.330	201.978	3) Goa	-6.981	-87.463
Total MSGENCO	168.587	2252.140	4) TAPS 1&2 (Inj.)	7.134	100.888
B) OTHERS			5) Pench (Excess)	-0.475	-2.094
1) RGPPL Gas	7.031	143.341	# Total Cent. Sector	72.895	1144.829
2) Wind Generation	9.489	61.267	F) Other Exchanges		
3) PENCH (MS)	0.475	2.366	1) With TPCL	-4.594	-68.237
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	31.680	435.683	1) MSEDCL Bilateral	6.719	110.219
2) TPCL Hydro	3.844	55.009	Include PX	0.169	12.958
TOTAL TPCL	35.524	490.692	2) MUMBAI Bilateral	5.828	83.953
3) REL Thermal	12.670	177.328	Include PX	0.853	17.126
D) STATE			3) MUMBAI Schedule	5.828	85.353
1) Thermal (A1+C1+C3)	169.651	2359.497	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	32.275	361.051	1) MSEDCL	253.883	3537.904
3) Gas (A3+B1)	22.361	345.319	2) TPCL	34.767	479.698
4) Wind (B2)	9.489	61.267	3) REL	18.019	248.203
TOTAL STATE	233.776	3127.134	TOTAL STATE	306.669	4265.805

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	5137	5440	5033
MSGENCO Hydro	1290	1302	1129
MSGENCO Gas	640	634	645
MSGENCO Total Generation	7067	7376	6807
Central Sector Receipt	3004	3204	2726
RGPPL	294	293	294
WIND	187	652	462
Exchange with TPCL	-253	-167	-11
MSEDCL DEMAND MET	10299	11405	10325
Load Shedding	4181	3327	1596
MSEDCL DEMAND (INCL. LS)	14480	14732	11921
TPCL GENERATION	1405	1710	1251
REL GENERATION	530	525	530
TPCL+REL DEMAND	2188	2402	1792
STATE DEMAND MET	12487	13807	12117
STATE DEMAND (INCL. LS)	16668	17134	13713
Frequency (Hz)	49.29	49.19	49.25
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4755 MW At 10.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			83.15 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.07 Hz at 06.05 Hrs	48.76 Hz at 23.35 Hrs	49.25	14.88 % 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 14/Apr/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.66	22.98	76	57	70
Unit 2	1.73	12.40	79	66	70
Unit 3	1.58	23.29	78	0	75
Unit 4	0.60	11.38	68	0	0
Unit 5	3.75	51.01	176	139	150
Unit 6	3.78	52.22	183	131	150
Unit 7	3.67	51.66	172	137	150
	16.78	224.92			665
Bhusawal					
Unit 1	1.02	9.17	51	33	45
Unit 2	4.14	58.70	180	164	185
Unit 3	4.20	59.48	188	161	195
	9.36	127.36			425
Parli					
Unit 1	0.56	7.86	24	22	20
Unit 2	0.61	8.32	26	24	20
Unit 3	3.03	46.07	153	104	140
Unit 4	3.56	48.58	152	141	145
Unit 5	3.12	48.43	151	119	140
Unit 6	5.26	74.75	229	204	220
	16.13	234.00			685
Chandrapur					
Unit 1	3.92	56.50	174	156	170
Unit 2	3.97	56.58	170	157	170
Unit 3	4.24	64.18	191	150	180
Unit 4	4.82	64.21	206	193	205
Unit 5	8.49	132.76	395	290	375
Unit 6	8.20	129.31	405	300	325
Unit 7	9.65	127.90	443	333	380
	43.29	631.44			1805
Paras					
Unit 2	0.98	12.85	49	0	45
Unit 3	5.86	58.65	264	221	215
	6.84	71.50			260
Khaparkheda					
Unit 1	4.68	64.49	203	184	200
Unit 2	4.53	62.93	194	183	200
Unit 3	2.65	48.55	202	0	0
Unit 4	4.72	64.80	203	183	200
	16.58	240.77			600
Nasik					
Unit 1	0.37	14.17	77	0	0
Unit 2	2.26	23.14	100	90	95
Unit 3	4.62	63.04	204	181	180
Unit 4	4.60	62.41	201	181	180
Unit 5	4.47	53.75	198	168	190
	16.32	216.50			645
Uran					
All Units	15.33	201.98	659	607	650
	15.33	201.98			650
Koyna					
Stage 1-2	5.09	56.68	510	30	600
Stage 4	15.64	157.86	841	206	250
Koyna 12&4 Total	20.73	214.54			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	4.14	44.97	318	0	320
	24.86	259.51			1170
Hydro					
KDPH	0.00	5.80	0	0	0
VTRNA	0.00	0.00	0	0	0
TILLARI	0.26	5.51	60	0	60
BHTGR/VEER	0.94	10.20	39	39	30
BHIRA T.R.	0.29	2.98	80	0	80
RNGR+BHTSA	0.32	4.71	14	13	16
BHANDARDRA	0.75	8.88	31	31	30
ELDARY	0.00	0.30	0	0	0
PAITHAN	0.06	0.55	11	0	10
GHATGHAR	0.47	5.23	125	0	0
	3.09	44.16			226
PENCH (MS)					
Pench (MS)	0.48	2.37	48	0	0
	0.48	2.37			0
Wind					
MalharPeth	0.33	3.12			
Vankuswadi	0.70	7.06			
ATIT	0.16	1.29			
Kale	0.19	2.18			
Satara	0.30	3.02			
Shirala	0.28	2.72			
K Mahankal	0.44	1.44			
Supa	0.22	2.44			
Vita	0.83	9.63			
Dondaicha	3.94	15.49			
Sakri	0.62	3.10			
Nandurbar	0.56	2.01			
Khadakale	0.61	5.92			
Khaparale	0.30	1.84			
	9.49	61.27			
Dabhol					
RGPP L II	7.03	143.34	295	290	300
RGPP L III	0.00	0.00	0	0	
	7.03	143.34			300
Tata					
Trombay 4	0.00	6.65	0	0	0
Trombay 5	12.12	163.94	505	505	500
Trombay 6	11.68	159.42	510	350	500
Trombay 7A	2.62	34.82	124	85	120
Trombay 7B	1.55	21.10	69	56	60
Trombay 8	3.71	49.76	253	108	250
TATA Hydro	3.84	55.01	377	0	447
	35.52	490.69			1877
REL					
1&2	12.67	177.33	531	523	500
	12.67	177.33			500
Cent Sect					
Share					2986
					2986

MS PG CL	Thermal	125.30	1746.49		5085
	Thml+Gas	140.63	1948.46		5735
	Hydro	27.96	303.68		1396
	Total	168.59	2252.14		7131
State Total		233.78	3127.13		12794

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 14/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	5017	1124	646	6787	294	456	2982	2876	-353	-296	10164	1646	11810	2179	13989	49.35
2	4984	1003	644	6631	294	542	2794	2753	-164	-105	10162	1653	11815	1926	13741	49.25
3	5033	1129	645	6807	294	462	2704	2726	-69	-11	10325	1596	11921	1792	13713	49.25
4	5025	1243	650	6918	294	467	2690	2742	-69	-9	10459	1595	12054	1726	13780	49.27
5	5001	1396	646	7043	294	449	2692	2757	-69	-11	10580	1823	12403	1696	14099	49.11
6	5051	1637	653	7341	293	436	2598	2560	26	53	10731	2361	13092	1715	14807	49.30
7	5131	909	659	6699	293	337	2653	2719	-4	49	10097	3647	13744	1759	15503	49.57
8	5185	492	659	6336	293	355	2696	2774	-48	13	9771	4108	13879	1795	15674	49.46
9	5203	643	652	6498	294	246	2742	2916	-107	-44	9910	4378	14288	1926	16214	49.46
10	5137	1290	640	7067	294	187	2965	3004	-310	-253	10299	4181	14480	2188	16668	49.29
11	5123	1556	627	7306	294	160	3125	3127	-389	-333	10554	3590	14144	2423	16567	49.06
12	5190	1784	625	7599	290	134	3210	3269	-389	-333	10959	3609	14568	2556	17124	49.19
13	5277	1886	622	7785	292	121	3228	3350	-407	-364	11184	3514	14698	2587	17285	49.24
14	5329	1593	621	7543	292	130	3223	3168	-407	-367	10766	3394	14160	2506	16666	49.30
15	5349	1378	613	7340	292	207	3223	3316	-407	-369	10786	3390	14176	2562	16738	49.08
16	5283	1143	607	7033	292	223	3227	3250	-407	-367	10431	3585	14016	2590	16606	48.95
17	5245	677	620	6542	291	386	3397	3330	-407	-365	10184	3920	14104	2525	16629	49.29
18	5270	783	632	6685	290	514	3162	3257	-344	-303	10443	3672	14115	2455	16570	49.54
19	5366	883	632	6881	291	574	3125	3225	-298	-250	10746	3221	13967	2337	16304	49.36
20	5440	1302	634	7376	293	652	3158	3204	-217	-167	11405	3327	14732	2402	17134	49.19
21	5414	1060	633	7107	295	688	3165	3175	-215	-155	11157	3109	14266	2366	16632	49.13
22	5449	992	639	7080	294	647	3183	3277	-211	-152	11170	2899	14069	2326	16395	49.29
23	5280	1158	638	7076	293	643	3243	3343	-283	-227	11152	2494	13646	2246	15892	49.13
24	5255	885	634	6774	295	476	3182	3037	-284	-228	10378	2112	12490	2205	14695	49.05
MUs	125.04	27.95	15.27	168.25	7.03	9.49	72.37	73.16	-5.83	-4.59	253.81	72.82	326.64	52.79	379.42	49.25

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 14/Apr/2009

Position as on 6.30 Hrs of 15/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
Koradi Unit 4	115	07/04/2009	10.45	14/04/2009	12.27	CHP Belt Problem.	
Tata Trombay 4	150	09/04/2009	02.10		Continued.	W/dn	
Khaparkheda Unit 3	210	11/04/2009	05.39	14/04/2009	07.50	Boiler Tube Leakage	
Nasik Unit 1	125	11/04/2009	17:05	14/04/2009	17.55	Boiler Tube Leakage	
Cent_Sect NTPC(V-7)	500	12/04/2009	04:22	14/04/2009	09.24	Boiler Tube Leakage	
Paras Unit 2	55	13/04/2009	17:19	14/04/2009	01:33	Reverse power protection.	
Koyna ST-IV 1	250	14/04/2009	01:54	14/04/2009	21.00	Protection Supply failure.	
Koyna ST-IV 2	250	14/04/2009	04:34	14/04/2009	05:07	Turbine Prot.	
Koyna Unit 8	80	14/04/2009	18.25	15/04/2009	01.20	Excitation Problem.	
Koradi Unit 3	105	14/04/2009	22.07		Continued.	Wind Box& Boiler House Casing Leakages.	17/04/2009
Chandrapur Unit 6	500	15/04/2009	09.52	15/04/2009	12.19	Tripped on Flame failure	
Koyna ST-IV 1	250	15/04/2009	15.05	15/04/2009	22:00	D/C E/F.	
Paras Unit 3	250	15/04/2009	21.15		Continued.	Economiser T/L.	18/04/2009

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 14/Apr/2009

Position as on 6.30 Hrs of 15/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 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 KV TBC at Bhusawal	05/04/2009	22.30		Continued.	Y Pole Oil Leakage.
Padgha-Nagothane-II	14/04/2009	09.11	14/04/2009	19.25	Q.M. WORK
CHDPR-400 KV HVDC-II	14/04/2009	09.50	14/04/2009	12.47	Isolator Hot Spot Line on TBC.
Koradi - Akola	15/04/2009	08.52	15/04/2009	15.43	Taken on TBC for replacement of pressure switch of breaker.(koradi end).
400/220kv Kharghar Spare ICT	15/04/2009	10.15	15/04/2009	18.21	R.M. Work
400 KV N'koyna-Bus Coupler	15/04/2009	11.08	15/04/2009	11.28	SF6 Gas filling.
Karad-Kolhapur CKT I	15/04/2009	14.27	15/04/2009	17.18	Testing Work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Wardha-K'Kheda	13/04/2009	10:36		Continued.	Relay Retrofitting Work.
Padgha-Kalwa-II	15/04/2009	09.47	15/04/2009	17.15	Bay Maint.works
100MVA,220/132kv, ICT at Bale	15/04/2009	10.05		Continued.	HV side CB air leakage.
LAMBOTI-PANDHARPUR	15/04/2009	11.07	15/04/2009	18.08	Scada work and breaker maint.
Kandalgaon-Bhira	15/04/2009	11.50	15/04/2009	17.22	Line Maint.work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Madgi-Kawlewada-II	10/02/2009	16.20		Continued.	C.B. replacement work.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Bhusawal-Chalisingaon-II	14/04/2009	08.40	14/04/2009	11.07	To attend Isolator Hot Spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
600 MVA ICT I AT KALWA	15/04/2009	16.31		Continued.	Buchholz Alarm.
Voltage Level : 220KV			Outage Type TRIPPED		
K'gaon-Lonand	14/04/2009	13.10	15/04/2009	10.31	Tripped on Dist.Prot.
Khaparkheda-Kawlewada-II	14/04/2009	21.57		Continued.	Tripped on Dist.Prot.
Voltage Level : 132KV			Outage Type TRIPPED		
Bhoom-Kherda	14/04/2009	14.04	15/04/2009	14.05	Tripped on Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 15/Apr/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	50
Unit 3	105	0
Unit 4	105	50
Unit 5	200	150
Unit 6	210	150
Unit 7	210	140
	1040	610
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	110
Unit 4	210	140
Unit 5	210	120
Unit 6	250	220
	940	630
Chandrapur		
Unit 1	210	170
Unit 2	210	165
Unit 3	210	180
Unit 4	210	200
Unit 5	500	400
Unit 6	500	400
Unit 7	500	400
	2340	1915
Paras		
Unit 2	55	45
Unit 3	250	240
	305	285
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	180
Unit 4	210	180
	840	720
Nasik		
Unit 1	120	90
Unit 2	120	90
Unit 3	210	190
Unit 4	210	180
Unit 5	210	190
	870	740
Uran		
All Units	852	600
	852	600
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	39
BHIRA T.R.	80	80
RNGR+BHTSA	20	13
BHANDARDRA	45	31
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	223
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	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	3201
	3143	3201

	17396	13176
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