



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

State Load Dispatch Center, Airoli

Daily system Report

for

07/May/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 07/May/2009 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	117.291	827.746	1) Madhya Pradesh	56.729	414.377
2) Hydro	20.001	116.165	2) Gujrat	17.585	129.558
3) Gas	14.737	107.570	3) Goa	-6.488	-43.727
Total MSGENCO	152.029	1051.481	4) TAPS 1&2 (Inj.)	6.833	35.706
B) OTHERS			5) Pench (Excess)	-0.217	-1.652
1) RGPPL Gas	14.884	93.230	# Total Cent. Sector	74.442	534.262
2) Wind Generation	7.890	74.624	F) Other Exchanges		
3) PENCH (MS)	0.217	1.652	1) With TPCL	-4.068	-13.063
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	32.972	232.704	1) MSEDCL Bilateral	8.816	59.048
2) TPCL Hydro	4.157	21.424	Include PX	1.219	5.537
TOTAL TPCL	37.129	254.128	2) MUMBAI Bilateral	5.056	20.148
3) REL Thermal	12.550	88.121	Include PX	0.751	-5.516
D) STATE			3) MUMBAI Schedule	5.056	20.148
1) Thermal (A1+C1+C3)	162.813	1148.571	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	24.375	139.241	1) MSEDCL	245.394	1743.838
3) Gas (A3+B1)	29.621	200.800	2) TPCL	35.685	238.774
4) Wind (B2)	7.890	74.624	3) REL	17.962	116.430
TOTAL STATE	224.699	1563.236	TOTAL STATE	299.041	2099.042

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	4981	4912	4883
MSGENCO Hydro	393	697	713
MSGENCO Gas	643	591	651
MSGENCO Total Generation	6017	6200	6247
Central Sector Receipt	2903	3396	2896
RGPPL	621	620	625
WIND	371	447	334
Exchange with TPCL	-336	-205	34
MSEDCL DEMAND MET	9576	10483	10153
Load Shedding	3915	3415	1511
MSEDCL DEMAND (INCL. LS)	13491	13898	11664
TPCL GENERATION	1504	1759	1145
REL GENERATION	521	521	523
TPCL+REL DEMAND	2361	2485	1634
STATE DEMAND MET	11937	12968	11787
STATE DEMAND (INCL. LS)	15852	16383	13298
Frequency (Hz)	49.40	49.40	49.30
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3823 Mw at 13.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			75.13 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.01 Hz at 06.04 Hrs	48.79 Hz at 23.15 Hrs	49.35	6.4 % 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 07/May/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.00	0.00	0	0	0
Unit 2	1.53	7.11	76	46	70
Unit 3	1.55	10.55	72	53	60
Unit 4	1.44	9.81	72	42	70
Unit 5	2.88	22.07	138	102	110
Unit 6	3.05	22.15	147	86	140
Unit 7	2.96	22.49	138	100	110
	13.42	94.19			560
Bhusawal					
Unit 1	1.20	6.25	54	43	50
Unit 2	4.05	28.18	175	160	175
Unit 3	4.08	28.84	174	166	175
	9.33	63.28			400
Parli					
Unit 1	0.53	3.74	23	21	20
Unit 2	0.56	4.05	25	23	20
Unit 3	3.34	13.50	144	134	140
Unit 4	3.61	25.91	158	138	150
Unit 5	3.23	25.51	157	0	150
Unit 6	3.99	35.39	223	116	220
	15.26	108.10			700
Chandrapur					
Unit 1	4.23	29.29	186	168	170
Unit 2	4.06	28.25	174	166	170
Unit 3	4.96	25.09	209	200	210
Unit 4	0.00	0.00	0	0	0
Unit 5	8.18	67.18	434	245	425
Unit 6	9.56	68.20	458	366	425
Unit 7	9.12	71.18	425	348	425
	40.12	289.18			1825
Paras					
Unit 2	1.16	4.09	50	47	45
Unit 3	3.93	29.59	184	147	160
	5.09	33.68			205
Khaparkheda					
Unit 1	4.28	30.66	185	172	175
Unit 2	4.29	30.18	186	174	175
Unit 3	4.40	30.80	186	180	175
Unit 4	4.32	30.90	185	177	175
	17.28	122.54			700
Nasik					
Unit 1	2.18	15.46	95	80	90
Unit 2	1.87	11.80	89	62	60
Unit 3	4.30	30.13	190	171	170
Unit 4	4.33	30.25	189	174	180
Unit 5	4.11	29.13	176	166	170
	16.79	116.78			670
Uran					
All Units	14.74	107.57	668	506	640
	14.74	107.57			640
Koyna					
Stage 1-2	2.96	18.59	315	40	600
Stage 4	10.08	55.87	1007	0	250
Koyna 12&4 Total	13.04	74.46			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	2.72	15.84	238	0	320
	15.76	90.30			1170
Hydro					
KDPH	0.15	1.80	36	0	0
VTRNA	1.25	8.31	61	0	60
TILLARI	0.32	1.91	60	0	60
BHTGR/VEER	0.96	6.26	40	40	48
BHIRA T.R.	0.17	1.02	80	0	80
RNGR+BHTSA	0.34	2.23	14	14	15
BHANDARDRA	0.76	1.70	32	31	25
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.03	0.34	10	0	0
GHATGHAR	0.26	2.29	125	0	0
	4.24	25.86			288
PENCH (MS)					
Pench (MS)	0.22	1.65	25	0	
	0.22	1.65			
Wind					
MalharPeth	0.20	2.17			
Vankuswadi	0.40	4.34			
ATIT	0.14	0.85			
Kale	0.26	1.93			
Satara	0.26	3.72			
Shirala	0.26	1.89			
K Mahankal	0.07	0.85			
Supa	0.18	1.75			
Vita	1.52	9.02			
Dondaicha	3.14	30.69			
Sakri	0.49	5.03			
Nandurbar	0.49	4.15			
Khadakale	0.38	5.07			
Khaparale	0.11	3.15			
	7.89	74.62			
Dabhol					
RGPP L II	14.88	93.23	625	614	587
RGPP L III		0.00			
	14.88	93.23			587
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	12.12	84.75	505	505	500
Trombay 6	10.47	76.26	510	180	500
Trombay 7A	2.89	19.23	122	117	110
Trombay 7B	1.62	10.77	69	67	70
Trombay 8	5.87	41.69	251	220	250
TATA Hydro	4.16	21.42	388	0	447
	37.13	254.13			1877
REL					
1&2	12.55	88.12	526	518	500
	12.55	88.12			500
Cent Sect					
Share					3257
					3257

MS PG CL	Thermal	117.29	827.75		5060
	Thml+Gas	132.03	935.32		5700
	Hydro	20.00	116.16		1458
	Total	152.03	1051.48		7158
State Total		224.70	1563.24		13379

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 07/May/2009

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CS SHARE	CS RECPT	MUMBAI		MSEDCL DEMAND MET	# LOAD SHED.	MSEDCL DEMAND WITH LS	MUMBAI DEMAND	STATE DEM. WITH LS	FREQ. (Hz)
	THM	HY	GAS						SCH.	EXCH.						
1	4959	1010	650	6619	621	296	2867	2865	-18	26	10450	1468	11918	2017	13935	49.11
2	4876	951	656	6483	624	361	2869	2851	-18	29	10371	1474	11845	1859	13704	49.26
3	4898	815	651	6364	625	361	2868	2920	-18	35	10328	1444	11772	1725	13497	49.40
4	4883	713	651	6247	625	334	2870	2896	-18	34	10153	1511	11664	1634	13298	49.30
5	4916	974	658	6548	625	336	2870	2804	-18	-70	10256	1917	12173	1715	13888	49.08
6	5022	981	654	6657	625	338	2870	2808	-18	26	10454	2177	12631	1648	14279	49.21
7	5119	206	668	5993	625	404	2871	2870	-18	27	9919	3430	13349	1652	15001	49.67
8	5105	192	665	5962	625	380	2957	2569	202	255	9791	3329	13120	1717	14837	49.65
9	5090	187	652	5929	623	398	3157	2907	-72	-22	9835	3306	13141	1996	15137	49.51
10	4981	393	643	6017	621	371	3281	2903	-377	-336	9576	3915	13491	2361	15852	49.40
11	4851	794	649	6294	618	240	3229	2904	-377	-336	9720	3468	13188	2605	15793	49.32
12	4742	1365	626	6733	618	252	3226	3070	-377	-341	10332	3312	13644	2707	16351	49.41
13	4748	1434	622	6804	614	145	3294	3269	-448	-395	10437	3298	13735	2686	16421	49.45
14	4733	1494	616	6843	617	93	3268	3246	-377	-333	10466	3378	13844	2604	16448	49.41
15	4836	1251	617	6704	617	122	3315	3272	-471	-422	10303	3333	13636	2712	16348	49.37
16	4864	1027	529	6420	615	167	3315	3384	-471	-424	10185	3508	13693	2739	16432	49.35
17	4922	610	506	6038	614	337	3315	3394	-471	-421	9962	3715	13677	2703	16380	49.26
18	4911	282	508	5701	617	436	3518	3556	-342	-301	10034	3432	13466	2610	16076	49.46
19	4948	202	543	5693	620	485	3554	3638	-332	-277	10184	3231	13415	2476	15891	49.59
20	4912	697	591	6200	620	447	3257	3396	-240	-205	10483	3415	13898	2485	16383	49.40
21	4855	705	630	6190	619	537	3260	3377	-240	-203	10530	3173	13703	2410	16113	49.26
22	4840	1029	636	6505	618	426	3210	3180	-189	-152	10577	2887	13464	2272	15736	49.14
23	4671	1261	600	6532	619	336	3293	3313	-235	-194	10606	2354	12960	2233	15193	49.19
24	4611	1428	516	6555	619	288	3057	3050	-113	-68	10444	2074	12518	2181	14699	49.09
MUs	117.29	20.00	14.74	152.03	14.88	7.89	75.59	74.44	-5.06	-4.07	245.40	68.55	313.94	53.75	367.69	49.35

NOTE : ALL VALUES IN MW

MUMBAI Sch./Net Exch is shown with reference to MSETCL System. (+) indicates MUMBAI to MSETCL and (-) indicates MSETCL to MUMBAI. MUMBAI Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL # Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 07/May/2009

Position as on 6.30 Hrs of 08/May/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
Chandrapur Unit 4	210	21/04/2009	00.05		Continued.	W/D for COH.	25/05/2009
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	
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	09/04/2009	02.10		Continued.	W/dn	
Koradi Unit 1	105	27/04/2009	22.07		Continued.	Condensor Tube Leakage	10/05/2009
Cent_Sect NTPC(V-4)	210	28/04/2009	10.15		Continued.	Boiler Tube Leakage	
Uran Unit 3	60	04/05/2009	21.15		Continued.	Gas Restriction	
Uran Unit B0	120	07/05/2009	15.19	07/05/2009	18.10	Seal.Temp.High	
Parli Unit 5	210	07/05/2009	21.49		Continued.	Condensor Tube Leakage	
Uran Unit B0	120	07/05/2009	22.55		Continued.	Sealing Problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 07/May/2009

Position as on 6.30 Hrs of 08/May/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Wardha - Akola - I	29/04/2009	17.49	07/05/2009	10:14	H/T FOR O/V
Dhule-S'Sarovar I	04/05/2009	00:07	08/05/2009	14:17	H/T FOR O/V
Dhule-Sar'Sarovar II	08/05/2009	6:59		Continued.	H/T FOR O/V
Voltage Level : 400KV			Outage Type TRIPPED		
Seoni-Wardha-1	07/05/2009	07.05	07/05/2009	08.30	Tripped on over voltage
Wardha - Akola - II	07/05/2009	07:05		Continued.	Tripped on over voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400 KV TBC at Parly-II	07/04/2009	00.00		Continued.	Compressor Problem.
Padgha-Bhoisor (PGCIL)	07/05/2009	09.46	07/05/2009	20.09	Bay Maintenance work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV,125MVA ICT-III at Kalwa	01/05/2009	07.45		Continued.	Maintanance work
Borivali-Kalwa	04/05/2009	09:28	07/05/2009	22.23	Shifting of new panel & replacement of isolator.
Pirangut-Hinjewadi	07/05/2009	08.10	07/05/2009	18.30	Errection Of Tower.
Apta-Uran-II	07/05/2009	09.48	07/05/2009	22.20	P.T.Replacement.
New-Koyna-Pawas	07/05/2009	09.56	07/05/2009	18.21	Insulator Cleaning.
Chinchwad-Bhosari	07/05/2009	10.45	07/05/2009	13.13	Q.M. WORK
Aurangbad-Chitegaong-II	07/05/2009	11.19	07/05/2009	13.20	Q.M. WORK
Khaparkhedha-Kawlewada-II	08/05/2009	08.03	08/05/2009	12.11	To Attend Hot Glow in Bus Isolator Y ph.
Boiser-PGCIL-I	08/05/2009	08.40	08/05/2009	14.46	Bay maintenance
220/100 ICT-I @ KOLSHET	08/05/2009	09.30	08/05/2009	18.10	Testing Work
Uran - Khargar - I	08/05/2009	09.34	08/05/2009	20.15	P.T.Replacement.
Murud-Bale	08/05/2009	10.40		Continued.	Railway Crossing Work.
220/22 KV ,50 MVA T/F at Taloja	08/05/2009	11.25	08/05/2009	16.45	R.M. Work
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Madgi-Kawlewada-II	10/02/2009	16.20		Continued.	C.B. replacement work.
Amravati - Lalkhedi	08/05/2009	09.15	08/05/2009	13.05	Tan Delta Measurment.
Pusad - Gunj	08/05/2009	10.50	08/05/2009	17.17	To attend oil leakage.
Lalkhedi - Durgwada	08/05/2009	15.26	08/05/2009	17.15	Tan Delta Measurment.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kalwa-Nocil II	08/05/2009	09.10	08/05/2009	13.30	Q.M. WORK
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
220 KV Own Brk..of 315 MVA ICT at Akola	23/04/2009	15.50		Continued.	Breaker Problem
Dabhol-NewKoyna-II	07/05/2009	21.28	07/05/2009	23.14	To Remove Honeycomb.
400/220 KV,600 MVA ICT-I @ Kalwa	08/05/2009	08.02	08/05/2009	12.00	To attend Oil Leakage.
Dabhol-NewKoyna-II	08/05/2009	10.08	08/05/2009	19.22	Jumper Replacement work.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Taps-Boisar	08/05/2009	15.40	08/05/2009	17.54	Attending C.T. oil leakage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 07/May/2009

Position as on 6.30 Hrs of 08/May/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 500KV			Outage Type HAND TRIPPED		
500kv HVDC Pole1	08/05/2009	02.44	08/05/2009	06.22	Hand Tripped to Control O/V.
HVDC POLEII	08/05/2009	02.44	08/05/2009	06.22	Hand Tripped to Control O/V.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220KV, 315MVA ICT-I @ New Koyana.	07/05/2009	17.20	07/05/2009	19.00	Tripped On NDR
Voltage Level : 220KV			Outage Type TRIPPED		
Yavatmal-Pusad	07/05/2009	20.23	08/05/2009	00:49	B.Ph. C.C.Burst at Pusad
Pusad - Yavatmal	07/05/2009	20.23	08/05/2009	00.49	B Phase CT Burst
Tifil-Trombay	08/05/2009	05:59	08/05/2009	10.36	Tripped ,Dist.Prot.
Tifil-Trombay	08/05/2009	13.00	08/05/2009	14.58	Tripped on Dist.Prot.
BBLSWR-AIEPHATA	08/05/2009	13.51	08/05/2009	14.04	Tripped on Dist.Prot.
Voltage Level : 132KV			Outage Type TRIPPED		
Uppalwadi-Pardi	07/05/2009	20.28	08/05/2009	09.20	H/T For Line Loading.
Voltage Level : 100KV			Outage Type TRIPPED		
Kalwa-Standard	07/05/2009	14.10	07/05/2009	15.10	Tripped on Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 08/May/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	70
Unit 3	105	70
Unit 4	105	70
Unit 5	200	130
Unit 6	210	125
Unit 7	210	130
	1040	595
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	150
Unit 5	210	0
Unit 6	250	140
	940	470
Chandrapur		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	210
Unit 4	210	0
Unit 5	500	350
Unit 6	500	375
Unit 7	500	400
	2340	1675
Paras		
Unit 2	55	45
Unit 3	250	160
	305	205
Khaparkheda		
Unit 1	210	175
Unit 2	210	175
Unit 3	210	175
Unit 4	210	175
	840	700
Nasik		
Unit 1	120	90
Unit 2	120	90
Unit 3	210	170
Unit 4	210	180
Unit 5	210	170
	870	700
Uran		
All Units	852	520
	852	520
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	61
TILLARI	60	60
BHTGR/VEER	21	46
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	25
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	323
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	587
RGPL III	740	
	1480	587
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	110
Trombay 7B	60	70
Trombay 8	250	250
TATA Hydro	444	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3257
	3143	3257