



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

State Load Dispatch Center, Airoli

Daily system Report

for

05/Jul/2009

State Load Dispatch Center,Airoli (MSETCL)
Daily system Report for 05/Jul/2009 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	106.022	551.366	1) Madhya Pradesh	48.796	258.538
2) Hydro	6.069	32.694	2) Gujrat	17.585	84.387
3) Gas	11.625	62.706	3) Goa	-4.735	-25.309
Total MSGENCO	123.716	646.766	4)TAPS 1&2 (Inj.)	3.693	18.543
B) OTHERS			5)Pench (Excess)	-0.157	-0.926
1) RGPPL Gas	22.444	112.124	# Total Cent. Sector	65.182	335.233
2) Wind Generation	7.621	47.201	F) Other Exchanges		
3) PENCH (MS)	0.157	0.926	1) With TPCL	-1.167	-34.291
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	24.160	137.601	1) MSEDCL Bilateral	5.471	24.578
2) TPCL Hydro	0.217	10.509	Include PX	0.701	0.701
TOTAL TPCL	24.377	148.110	2) MUMBAI Bilateral	0.756	25.402
3) REL Thermal	12.681	48.212	Include PX	0.000	10.031
D) STATE			3) MUMBAI Schedule	1.374	34.832
1) Thermal (A1+C1+C3)	142.863	737.179	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	6.443	44.129	1) MSEDCL	217.953	1108.885
3) Gas (A3+B1)	34.069	174.830	2) TPCL	24.673	152.187
4) Wind (B2)	7.621	47.201	3) REL	13.555	78.425
TOTAL STATE	190.996	1003.339	TOTAL STATE	256.181	1339.497

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4492	4416	4314
MSGENCO Hydro	264	913	60
MSGENCO Gas	500	510	465
MSGENCO Total Generation	5256	5839	4839
Central Sector Receipt	2950	2909	2506
RGPPL	933	935	939
WIND	306	192	292
Exchange with TPCL	-213	-44	29
MSEDCL DEMAND MET	9239	9854	8605
Load Shedding	2108	2029	622
MSEDCL DEMAND (INCL. LS)	11347	11883	9227
TPCL GENERATION	1022	1320	748
REL GENERATION	529	527	528
TPCL+REL DEMAND	1764	1891	1247
STATE DEMAND MET	11003	11745	9852
STATE DEMAND (INCL. LS)	13111	13774	10474
Frequency (Hz)	49.45	49.68	49.43
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2581 MW At 22.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			36.75 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.44 Hz at 09.04 Hrs	49.06 Hz at 06.19 Hrs	49.61	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 05/Jul/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.64	4.70	48	0	50
Unit 2	0.00	1.14	0	0	0
Unit 3	0.00	6.10	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.10	15.77	168	110	120
Unit 6	3.27	16.95	159	120	140
Unit 7	3.14	16.22	182	104	130
	10.16	60.87			440
Bhusawal					
Unit 1	1.12	5.48	57	35	40
Unit 2	3.75	18.64	167	135	160
Unit 3	4.09	20.56	176	165	175
	8.96	44.68			375
Parli					
Unit 1	0.49	2.40	21	20	20
Unit 2	0.60	2.94	26	24	20
Unit 3	3.39	16.92	145	140	150
Unit 4	3.70	18.18	158	150	150
Unit 5	4.00	19.15	177	162	150
Unit 6	0.00	0.00	0	0	0
	12.17	59.59			490
Chandrapur					
Unit 1	3.99	18.87	172	158	170
Unit 2	3.69	18.41	156	150	150
Unit 3	4.65	22.15	202	176	210
Unit 4	4.67	22.22	200	178	200
Unit 5	8.56	47.46	407	285	350
Unit 6	8.72	46.10	397	281	350
Unit 7	7.59	46.58	371	268	350
	41.87	221.78			1780
Paras					
Unit 2	0.96	4.72	42	37	35
Unit 3	4.22	21.24	188	124	165
	5.17	25.95			200
Khaparkheda					
Unit 1	4.24	21.08	182	168	175
Unit 2	3.93	19.55	174	150	160
Unit 3	4.33	21.53	192	174	175
Unit 4	4.23	21.04	180	168	175
	16.73	83.19			685
Nasik					
Unit 1	0.37	8.17	65	0	51
Unit 2	1.92	2.79	89	58	71
Unit 3	0.00	0.00	0	0	0
Unit 4	4.44	23.13	199	168	182
Unit 5	4.23	21.21	181	171	162
	10.96	55.30			466
Uran					
All Units	11.62	62.71	515	454	470
	11.62	62.71			470
Koyna					
Stage 1-2	1.62	8.00	160	35	600
Stage 4	2.18	11.42	720	0	250
Koyna 12&4 Total	3.81	19.42			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.74	5.60	160	0	320
	4.55	25.03			1170
Hydro					
KDPH	0.00	1.21	0	0	0
VTRNA	0.00	1.89	5	0	60
TILLARI	0.57	0.62	60	0	60
BHTGR/VEER	0.00	0.00	0	0	10
BHIRA T.R.	0.13	1.00	40	0	40
RNGR+BHTSA	0.22	1.16	10	9	0
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.00	0.00	0	0	0
GHATGHAR	0.60	1.78	120	0	0
	1.52	7.67			170
PENCH (MS)					
Pench (MS)	0.16	0.93	24	0	
	0.16	0.93			
Wind					
MalharPeth	0.42	2.92			
Vankuswadi	0.99	6.29			
ATIT	0.24	1.53			
Kale	0.09	1.18			
Satara	0.44	3.26			
Shirala	0.29	1.87			
K Mahankal	0.35	1.21			
Supa	0.16	1.10			
Vita	2.18	13.56			
Dondaicha	1.38	7.04			
Sakri	0.24	1.41			
Nandurbar	0.16	1.12			
Khadakale	0.41	3.30			
Khaparale	0.27	1.41			
	7.62	47.20			
Dabhol					
RGPP L II	22.44	112.12	940	930	889
RGPP L III	0.00	0.00	0	0	
	22.44	112.12			889
Tata					
Trombay 4	0.00	0.04	0	0	0
Trombay 5	6.74	45.63	505	200	250
Trombay 6	10.98	55.84	510	300	500
Trombay 7A	2.96	14.52	128	116	120
Trombay 7B	0.00	6.13	0	0	120
Trombay 8	3.48	15.44	170	119	0
TATA Hydro	0.22	10.51	53	4	447
	24.38	148.11			1437
REL					
1&2	12.68	48.21	530	526	500
	12.68	48.21			500
Cent Sect					
Share					2524
					2524

MS PG CL	Thermal	106.02	551.37		4436
	Thml+Gas	117.65	614.07		4906
	Hydro	6.07	32.69		1340
	Total	123.72	646.77		6246
State Total		191.00	1003.34		11596

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 05/Jul/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	4393	377	467	5237	936	308	2596	2582	6	26	9089	762	9851	1471	11322	49.55
2	4349	163	470	4982	936	246	2598	2603	6	27	8794	762	9556	1343	10899	49.53
3	4348	80	469	4897	936	258	2598	2622	6	32	8745	630	9375	1290	10665	49.52
4	4314	60	465	4839	939	292	2598	2506	6	29	8605	622	9227	1247	10474	49.43
5	4332	54	466	4852	938	326	2598	2566	6	31	8713	552	9265	1271	10536	49.45
6	4394	134	465	4993	937	334	2593	2732	6	29	9025	658	9683	1299	10982	49.38
7	4352	99	466	4917	937	347	2575	2737	6	25	8963	1173	10136	1335	11471	49.37
8	4336	49	468	4853	937	363	2570	2692	6	27	8872	1501	10373	1387	11760	49.44
9	4426	49	475	4950	940	350	2603	2608	-3	12	8860	2093	10953	1491	12444	49.73
10	4500	44	500	5044	937	391	2616	2712	-60	-71	9013	2226	11239	1659	12898	50.10
11	4502	124	515	5141	938	400	2753	2867	-151	-165	9181	2145	11326	1723	13049	49.78
12	4492	264	500	5256	933	306	2772	2950	-201	-213	9239	2108	11347	1764	13111	49.45
13	4543	175	502	5220	932	305	2789	2709	-201	-202	8974	2224	11198	1770	12968	49.56
14	4545	112	510	5167	935	370	2791	2669	-151	-151	8990	2200	11190	1732	12922	49.80
15	4466	112	503	5081	932	316	2795	2652	-81	-77	8904	2129	11033	1661	12694	49.77
16	4436	110	500	5046	930	417	2760	2611	-47	-41	8963	1618	10581	1628	12209	49.75
17	4388	107	503	4998	932	606	2710	2669	-52	-48	9157	1254	10411	1634	12045	49.86
18	4429	109	510	5048	935	528	2613	2791	-56	-60	9242	1177	10419	1645	12064	49.97
19	4444	341	500	5285	933	267	2593	2766	-54	-57	9218	1663	10881	1670	12551	49.67
20	4429	926	492	5847	933	236	2613	2670	-116	-117	9593	2259	11852	1864	13716	49.37
21	4416	913	510	5839	935	192	2675	2909	-54	-44	9854	2029	11883	1891	13774	49.68
22	4361	939	459	5759	936	125	2692	2775	-54	-41	9577	1968	11545	1882	13427	49.42
23	4392	516	456	5364	934	187	2723	2894	-81	-68	9334	1490	10824	1857	12681	49.47
24	4435	212	454	5101	933	151	2736	2890	-61	-50	9048	1114	10162	1711	11873	49.52
MUs	106.02	6.07	11.62	123.72	22.44	7.62	63.96	65.18	-1.37	-1.17	217.95	36.36	254.31	38.22	292.53	49.61

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 05/Jul/2009

Position as on 6.30 Hrs of 06/Jul/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(K-3)	210	01/06/2009	00.00		Continued.	Annual Overhaul	06/07/2009
Parli Unit 6	250	03/06/2009	06.35		Continued.	Annual Overhaul	20/07/2009
Nasik Unit 3	210	07/06/2009	21.37		Continued.	Capital overhaul	18/07/2009
Cent_Sect Tarapur 2	80	16/06/2009	22:10		Continued.	Refueling Outage.	30/07/2009
Cent_Sect TARAPUR-4	540	28/06/2009	06.00	05/07/2009	19.42	Deficiencies.	07/07/2009
FORCED OUTAGE							
Dabhol 2A	230	19/01/2008	02.40		Continued.	Tripped	
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	25/07/2009
Dabhol 1B	230	22/01/2009	12.05		Continued.	BHMS Installation work	
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Cent_Sect Kawas ST1C	116	03/06/2009	16:33		Continued.	Bearing Temp. High	15/07/2009
Koradi Unit 4	115	28/06/2009	14.18		Continued.	Coal Bunkering problem.	07/07/2009
Tata Trombay 4	150	01/07/2009	00:46		Continued.	W/dn	
Cent_Sect TARAPUR-3	540	02/07/2009	18.06	06/07/2009	00.13	protection Problem.	09/07/2009
Koradi Unit 2	105	02/07/2009	21.51		Continued.	ID Fan Problem	08/07/2009
Koradi Unit 1	105	03/07/2009	03.36	05/07/2009	00.05	Boiler Tube Leakage	06/07/2009
Uran Unit 5	108	03/07/2009	11.33		Continued.	Fire in Dampers.	
Tata Trombay 7B	60	04/07/2009	21.12		Continued.	GT.Bucholz Operated.	
Koradi Unit 3	105	04/07/2009	22.31		Continued.	Boiler Tube Leakage	09/07/2009
Nasik Unit 1	125	05/07/2009	06.15		Continued.	Boiler Tube Leakage	09/07/2009
Uran Unit 3	60	05/07/2009	21.12		Continued.	Stator Earth Fault	
Koradi Unit 7	210	06/07/2009	00.50		Continued.	Boiler Tube Leakage	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 05/Jul/2009

Position as on 6.30 Hrs of 06/Jul/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Mudshingi-Ponda	05/07/2009	10:55	05/07/2009	12:35	For Ateending Breakdown of Tillary - Phonda
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Khandwa-I	19/06/2009	16:13		Continued.	3 Tower Colloped.
Dhule-Khandwa-II	19/06/2009	16:13		Continued.	3 Tower Colloped.
Voltage Level : 220KV			Outage Type TRIPPED		
TILLARY-PHONDA	05/07/2009	01.15	05/07/2009	15.50	Tripped ,Dist.Prot.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Main Breaker of C'Pur-Parli-I at Parli end	12/06/2009	10.56		Continued.	To attend hot spot on Bus Isolator,Line on TBC
400/220 KV 315 ICT-I DHULE	04/07/2009	09.26		Continued.	Oil filtration
400/220 KV,600 MVA ICT-I @ Kalwa	05/07/2009	10.49	05/07/2009	12.12	Disconnection of fire prot.system.
400/220KV,315MVA ICT-I at Karad	05/07/2009	11.00	05/07/2009	13.53	Oil Top Up.
400/220 KV,600 MVA ICT-II at Kalwa	05/07/2009	12.19	05/07/2009	12.31	Disconnection of fire prot.system.
400/220KV,105MVA Spare ICT-II @ Karad.	05/07/2009	15.21	05/07/2009	18.46	Wrapping of Plastic paper
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
Wardha-Badnera	01/07/2009	18.42		Continued.	Retrofitting work
Karad-Wathar	02/07/2009	11.48		Continued.	Errection Of Isolator.
Akola - Badnera - II	03/07/2009	12.23	05/07/2009	18:55	Relay Retrofitting Work.
Chandrapur-Warora - I	05/07/2009	09.03	05/07/2009	13.37	Replacement of Faulty Insulator String.
Voltage Level : 400KV			Outage Type TRIPPED		
Akola - Wardha - II	01/07/2009	09.12		Continued.	Tripped on Dist.Prot. Y phase
Voltage Level : 220KV			Outage Type TRIPPED		
Warora-Hinganghat	05/07/2009	09.23	05/07/2009	13.39	H/T For Control Line Loadi
Raymond-Washala	05/07/2009	14.55	05/07/2009	23.40	R Phase D'capping.
150 MVA ICT @ Amravati	05/07/2009	17.28	05/07/2009	19.30	Tripped on Bucholz.
220/33 KV T/F @ Sawantwadi	05/07/2009	17.40	05/07/2009	21.10	Tripped on Diff.Prot.
BBLSR-RANJANGAON	06/07/2009	04.33	06/07/2009	05.16	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Paras-Akot	23/06/2009	16:45		Continued.	1 Tower Colloped.
Bhugaon - Deoli CKT.	04/07/2009	22.13	05/07/2009	02.10	Tripped ,Dist.Prot.
Voltage Level : 100KV			Outage Type TRIPPED		
Borivali-Tata-I	05/07/2009	07.37	05/07/2009	18.30	Tripped.
Borivali-Tata-II	05/07/2009	07.37	05/07/2009	11.26	Earth Wire Broken.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 06/Jul/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	60
Unit 2	105	0
Unit 3	105	0
Unit 4	105	0
Unit 5	200	120
Unit 6	210	120
Unit 7	210	0
	1040	300
Bhusawal		
Unit 1	58	40
Unit 2	210	160
Unit 3	210	175
	478	375
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	150
Unit 4	210	150
Unit 5	210	160
Unit 6	250	0
	940	500
Chandrapur		
Unit 1	210	170
Unit 2	210	150
Unit 3	210	210
Unit 4	210	200
Unit 5	500	350
Unit 6	500	400
Unit 7	500	350
	2340	1830
Paras		
Unit 2	55	35
Unit 3	250	180
	305	215
Khaparkheda		
Unit 1	210	175
Unit 2	210	160
Unit 3	210	175
Unit 4	210	175
	840	685
Nasik		
Unit 1	120	0
Unit 2	120	80
Unit 3	210	0
Unit 4	210	180
Unit 5	210	180
	870	440
Uran		
All Units	852	465
	852	465
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	60
TILLARI	60	0
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	10
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	110
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	960	889
RGPL III	740	
	1700	889
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	0
Trombay 8	250	150
TATA Hydro	444	447
	2024	1717
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	2707
	3143	2707

	17616	11903
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