



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

State Load Dispatch Center, Airoli

Daily system Report

for

06/Sep/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 06/Sep/2009 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	98.599	585.964	1) Madhya Pradesh	49.363	321.817
2) Hydro	3.722	26.138	2) Gujrat	13.014	81.859
3) Gas	14.846	90.218	3) Goa	-4.994	-32.723
Total MSGENCO	117.167	702.320	4) TAPS 1&2 (Inj.)	7.293	43.736
B) OTHERS			5) Pench (Excess)	-0.087	-1.443
1) RGPPL Gas	22.758	137.623	# Total Cent. Sector	64.589	413.246
2) Wind Generation	13.663	62.610	F) Other Exchanges		
3) PENCH (MS)	0.087	1.443	1) With TPCL	-2.563	-28.801
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	23.562	167.589	1) MSEDCL Bilateral	3.929	30.885
2) TPCL Hydro	2.141	16.002	Include PX	0.000	2.941
TOTAL TPCL	25.703	183.591	2) MUMBAI Bilateral	3.927	34.647
3) REL Thermal	12.680	75.972	Include PX	0.000	-0.242
D) STATE			3) MUMBAI Schedule	3.927	34.647
1) Thermal (A1+C1+C3)	134.841	829.525	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	5.950	43.583	1) MSEDCL	215.701	1288.441
3) Gas (A3+B1)	37.604	227.841	2) TPCL	26.503	191.181
4) Wind (B2)	13.663	62.610	3) REL	14.441	97.172
TOTAL STATE	192.058	1163.559	TOTAL STATE	256.645	1576.794

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	4151	4140	4042
MSGENCO Hydro	162	528	58
MSGENCO Gas	654	607	632
MSGENCO Total Generation	4967	5275	4732
Central Sector Receipt	2914	3088	2111
RGPPL	952	951	919
WIND	652	558	630
Exchange with TPCL	-161	-200	28
MSEDCL DEMAND MET	9324	9699	8420
Load Shedding	0	1445	0
MSEDCL DEMAND (INCL. LS)	9324	11144	8420
TPCL GENERATION	1079	1234	959
REL GENERATION	528	529	528
TPCL+REL DEMAND	1768	1963	1459
STATE DEMAND MET	11092	11662	9879
STATE DEMAND (INCL. LS)	11092	13107	9879
Frequency (Hz)	50.19	49.56	50.21
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			1562 MW AT 20.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			-1.52 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.46 Hz at 08.02 Hrs	49.11 Hz at 22.08 Hrs	49.96	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 06/Sep/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	1.20	6.44	70	14	65
Unit 3	1.15	1.96	68	16	65
Unit 4	1.22	7.92	77	13	65
Unit 5	0.00	5.30	0	0	0
Unit 6	2.86	16.49	144	90	140
Unit 7	3.00	17.66	157	104	135
	9.43	55.78			470
Bhusawal					
Unit 1	0.94	4.99	52	22	40
Unit 2	0.00	5.17	0	0	0
Unit 3	4.04	25.43	175	156	185
	4.98	35.59			225
Parli					
Unit 1	0.57	3.51	27	21	20
Unit 2	0.54	3.50	24	19	20
Unit 3	2.58	22.46	140	60	150
Unit 4	3.29	11.40	172	92	150
Unit 5	3.58	23.26	160	140	150
Unit 6	5.03	28.20	230	177	220
	15.60	92.34			710
Chandrapur					
Unit 1	3.27	19.52	151	117	150
Unit 2	0.00	13.65	0	0	0
Unit 3	3.37	16.50	150	125	150
Unit 4	4.54	24.53	202	162	200
Unit 5	7.54	40.14	355	280	300
Unit 6	7.40	38.98	345	250	300
Unit 7	7.35	38.56	330	278	270
	33.46	191.88			1370
Paras					
Unit 2	0.91	2.48	42	35	35
Unit 3	4.10	16.21	191	153	180
	5.01	18.69			215
Khaparkheda					
Unit 1	4.58	27.87	206	160	200
Unit 2	4.57	26.58	198	162	190
Unit 3	4.94	28.66	213	183	210
Unit 4	5.00	29.49	214	182	210
	19.09	112.59			810
Nasik					
Unit 1	0.00	0.00	0	0	0
Unit 2	2.15	11.97	96	83	85
Unit 3	0.01	14.32	12	0	0
Unit 4	4.53	26.95	202	164	190
Unit 5	4.32	25.84	194	154	180
	11.02	79.09			455
Uran					
All Units	14.85	90.22	654	562	600
	14.85	90.22			600
Koyna					
Stage 1-2	0.98	7.48	70	30	600
Stage 4	0.00	2.51	0	0	250
Kovna 12&4 Total	0.98	9.98			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	1.07	5.87	240	0	240
	2.05	15.85			1090
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.28	0	0	0
TILLARI	0.48	2.85	60	0	60
BHTGR/VEER	0.47	2.78	20	19	10
BHIRA T.R.	0.31	2.17	82	0	80
RNGR+BHTSA	0.09	0.58	4	3	4
BHANDARDRA	0.05	0.16	36	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	0.34	9	0	10
GHATGHAR	0.20	1.13	125	0	0
	1.67	10.29			164
PENCH (MS)					
Pench (MS)	0.09	1.44	60	0	
	0.09	1.44			
Wind					
MalharPeth	0.75	3.27			
Vankuswadi	1.78	7.43			
ATIT	0.31	1.35			
Kale	0.10	0.46			
Satara	0.69	3.34			
Shirala	0.41	1.86			
K Mahankal	1.03	4.54			
Supa	0.15	0.71			
Vita	2.18	11.27			
Dondaicha	3.75	17.31			
Sakri	0.65	2.76			
Nandurbar	0.51	2.10			
Khadakale	0.63	2.73			
Khaparale	0.72	3.49			
	13.66	62.61			
Dabhol					
RGPP L II	22.76	137.62	955	913	900
RGPP L III	0.00	0.00	0	0	0
	22.76	137.62			900
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	6.27	64.58	460	220	250
Trombay 6	11.43	62.02	510	380	500
Trombay 7A	2.10	13.14	108	75	100
Trombay 7B	0.00	0.00	0	0	0
Trombay 8	3.76	27.85	197	124	200
TATA Hydro	2.14	16.00	292	0	447
	25.70	183.59			1497
REL					
1&2	12.68	75.97	530	527	500
	12.68	75.97			500
Cent Sect					
Share					2670
					2670

MS PG CL	Thermal	98.60	585.96		4255
	Thml+Gas	113.44	676.18		4855
	Hydro	3.72	26.14		1254
	Total	117.17	702.32		6109
State Total		192.06	1163.56		11676

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 06/Sep/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	4041	57	626	4724	952	497	2775	2531	-14	28	8732	109	8841	1697	10538	50.06
2	4068	63	626	4757	952	530	2775	2124	-14	32	8395	0	8395	1574	9969	50.03
3	4094	78	631	4803	951	590	2794	2108	-14	33	8485	0	8485	1490	9975	50.22
4	4042	58	632	4732	919	630	2883	2111	-14	28	8420	0	8420	1459	9879	50.21
5	3999	73	632	4704	913	658	2931	2325	-14	27	8627	0	8627	1432	10059	50.16
6	4052	109	629	4790	950	597	2931	2886	-14	29	9252	0	9252	1483	10735	50.11
7	4156	63	639	4858	952	688	2923	2308	-14	33	8839	0	8839	1489	10328	50.10
8	4188	91	641	4920	951	645	2995	2757	-14	34	9307	0	9307	1503	10810	50.07
9	4233	119	636	4988	951	528	3020	2825	-28	14	9306	0	9306	1620	10926	50.05
10	4151	162	654	4967	952	652	3067	2914	-211	-161	9324	0	9324	1768	11092	50.19
11	4186	246	652	5084	950	654	3080	2658	-211	-160	9186	0	9186	1835	11021	50.01
12	4209	186	640	5035	949	442	3078	2492	-211	-161	8757	0	8757	1865	10622	49.87
13	4207	59	632	4898	946	462	3068	2601	-264	-201	8706	0	8706	1836	10542	49.93
14	4087	98	615	4800	951	506	3039	2693	-264	-199	8751	0	8751	1762	10513	49.99
15	4086	134	600	4820	949	600	3039	2723	-264	-201	8891	0	8891	1717	10608	49.91
16	4110	108	585	4803	950	661	3037	2561	-264	-199	8776	0	8776	1711	10487	50.03
17	4074	61	576	4711	951	643	3036	2870	-264	-199	8976	0	8976	1681	10657	50.07
18	4077	121	562	4760	951	605	3005	2809	-246	-183	8942	0	8942	1698	10640	49.99
19	4142	211	567	4920	949	659	2953	3060	-259	-197	9451	296	9747	1826	11573	49.78
20	4140	528	607	5275	951	558	2860	3088	-264	-200	9699	1445	11144	1963	13107	49.56
21	4076	641	618	5335	953	516	2831	2999	-264	-199	9604	1199	10803	1968	12771	49.57
22	4124	330	619	5073	955	456	2831	3115	-264	-196	9403	1206	10609	1915	12524	49.58
23	4010	73	612	4695	955	453	2932	3149	-273	-205	9047	1079	10126	1880	12006	49.60
24	4006	53	615	4674	955	433	2960	2890	-268	-160	8792	663	9455	1774	11229	49.87
MUs	98.56	3.72	14.85	117.13	22.76	13.66	70.84	64.60	-3.93	-2.56	215.67	6.00	221.66	40.95	262.61	49.96

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 06/Sep/2009

Position as on 6.30 Hrs of 07/Sep/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
Tata Trombay 7B	60	04/07/2009	21.12		Continued.	GT.Bucholz Operated.	08/09/2009
Nasik Unit 1	125	05/07/2009	6:15		Continued.	Generator Rotor Problem	30/09/2009
Koradi Unit 1	105	24/07/2009	01:20		Continued.	ANNUAL OVERHAUL	10/09/2009
Koyna Unit 11	80	25/07/2009	15.30		Continued.	To attend Stator Earth Fault	25/09/2009
Cent_Sect NTPC(V-3)	210	25/08/2009	00.25		Continued.	A/OH	26/09/2009
Cent_Sect NTPC(K-1)	210	27/08/2009	23.55		Continued.	AOH	28/09/2009
Bhusawal Unit 2	210	02/09/2009	10.08		Continued.	Annual Overhaul.	16/10/2009
Chandrapur Unit 2	210	05/09/2009	23:46		Continued.	AOH.	05/10/2009
FORCED OUTAGE							
Dabhol 2A	230	19/01/2008	02.40		Continued.	Tripped	20/12/2009
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	15/02/2010
Dabhol 1B	230	22/01/2009	12.05		Continued.	BHMS Installation work	25/10/2009
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Tata Trombay 4	150	01/07/2009	00:46		Continued.	W/dn	
Uran Unit 3	60	05/07/2009	21.12		Continued.	Stator Earth Fault	
Nasik Unit 3	210	04/09/2009	00.45	06/09/2009	23.45	Boiler Tube Leakage	06/09/2009
Koradi Unit 5	200	05/09/2009	02:37		Continued.	CHP Problem.	
Cent_Sect NTPC(K-6)	500	05/09/2009	20:03	06/09/2009	02:21	Generator L A Problem.	
Koyna Unit 1	75	06/09/2009	07.15		Continued.	Pressure Shaft Problem	10/09/2009
Koyna Unit 2	75	06/09/2009	13.00		Continued.	Pressure Shaft Problem	10/09/2009
Parli Unit 6	250	07/09/2009	01.32		Continued.	Flame failure.	07/09/2009
Nasik Unit 3	210	07/09/2009	03.35	07/09/2009	06.10	UAT Trip.	07/09/2009

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 06/Sep/2009

Position as on 6.30 Hrs of 07/Sep/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		
Akola - Wardha - II	01/07/2009	09.12		Continued.	H/T FOR O/V
Akola - Wardha - I	01/09/2009	01.44		Continued.	Hand Tripped for Over Voltage.
DHULE-SAR'SAROVAR-I	05/09/2009	12:45	06/09/2009	07.50	H/T for O/V.
Kolhapur-Mapusa-II	05/09/2009	23:41	06/09/2009	10.25	H/T for O/V.
Kolhapur-Mapusa Ckt I	06/09/2009	23.05		Continued.	H/T for O/V
Voltage Level : 400KV			Outage Type TRIPPED		
Seoni - Wardha	01/09/2009	01.44		Continued.	Tripped on Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
MUDSHINGI-CHIKODI	06/09/2009	10.35	06/09/2009	15.00	Trip on back up protection.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
Chandrapur - Padgha Pole -I	04/09/2009	06:49		Continued.	Capacitor replacement.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
CHDPR-HVDC CKT-I	06/09/2009	10.50	06/09/2009	15.00	Pole I converter CB time test and CRM test.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
Karad - Ogalewadi - II	17/08/2009	07.20		Continued.	C.B.Replacement.Breaker on TBC at Ogalewadi
Nasik TBC	28/08/2009	08.45		Continued.	Breaker replacement.
220/100 KV,125 MVA ICT-III at Trombay S/S.	31/08/2009	09.32		Continued.	Replacement of Relay Panels & Control Panels.
Mahsal - Miraz	04/09/2009	11:55		Continued.	Retrofitting work.
Vita-Maisal	04/09/2009	11:55		Continued.	Retrofitting work.
Versova-Boiser	05/09/2009	23:21	06/09/2009	12.16	Outage of Main Bus-I at Versova
Main Bus I at Versova	05/09/2009	23:45	06/09/2009	12.08	Crimping and Jumpering work of Bus Isolators
Sahara-Urse	06/09/2009	10.12	06/09/2009	18.45	Insulator replacement work.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Main Bus-I At Borivali S/s	06/09/2009	12.42	06/09/2009	16.38	To attend hot spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Kolhapur CKT II	06/09/2009	02:33	06/09/2009	08.53	H/T for O/V.
Karad-Kolhapur CKT II	07/09/2009	00.39		Continued.	H/T for O/V
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha-Badnera	05/09/2009	22:14		Continued.	H/T to load Akola.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 07/Sep/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	40
Unit 3	105	60
Unit 4	105	30
Unit 5	200	0
Unit 6	210	140
Unit 7	210	140
	1040	410
Bhusawal		
Unit 1	58	40
Unit 2	210	0
Unit 3	210	185
	478	225
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	150
Unit 4	210	150
Unit 5	210	150
Unit 6	250	0
	940	490
Chandrapur		
Unit 1	210	150
Unit 2	210	0
Unit 3	210	150
Unit 4	210	195
Unit 5	500	350
Unit 6	500	350
Unit 7	500	300
	2340	1495
Paras		
Unit 2	55	30
Unit 3	250	190
	305	220
Khaparkheda		
Unit 1	210	200
Unit 2	210	190
Unit 3	210	210
Unit 4	210	210
	840	810
Nasik		
Unit 1	120	0
Unit 2	120	85
Unit 3	210	150
Unit 4	210	190
Unit 5	210	180
	870	605
Uran		
All Units	852	600
	852	600
Koyna		
Stage 1-2	600	460
Stage 4	1000	250
Stage 3	320	240
	1920	950
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	0
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	27
BHIRA T.R.	80	80
RNGR+BHTSA	20	4
BHANDARDRA	45	38
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	209
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	890
RGPL III	740	
	1700	890
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	100
Trombay 7B	60	0
Trombay 8	250	150
TATA Hydro	444	447
	2024	1697
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3341
	3143	3341

	17616	12442
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