



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

**State Load Dispatch Center,
Airoli**

Daily system Report

for

05/Sep/2009

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	94.237	487.365	1) Madhya Pradesh	52.658	272.454
2) Hydro	3.996	22.416	2) Gujrat	14.769	68.845
3) Gas	14.899	75.372	3) Goa	-5.341	-27.729
Total MSGENCO	113.132	585.153	4) TAPS 1&2 (Inj.)	7.288	36.443
B) OTHERS			5) Pench (Excess)	-0.154	-1.356
1) RGPPL Gas	22.802	114.865	# Total Cent. Sector	69.220	348.657
2) Wind Generation	14.151	48.947	F) Other Exchanges		
3) PENCH (MS)	0.154	1.356	1) With TPCL	-6.020	-26.238
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	27.938	144.027	1) MSEDCL Bilateral	4.857	26.956
2) TPCL Hydro	1.594	13.861	Include PX	0.000	2.941
TOTAL TPCL	29.532	157.888	2) MUMBAI Bilateral	6.882	30.720
3) REL Thermal	12.672	63.292	Include PX	0.000	-0.242
D) STATE			3) MUMBAI Schedule	6.882	30.720
1) Thermal (A1+C1+C3)	134.847	694.684	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	5.744	37.633	1) MSEDCL	213.439	1072.740
3) Gas (A3+B1)	37.701	190.237	2) TPCL	32.005	164.678
4) Wind (B2)	14.151	48.947	3) REL	16.217	82.731
TOTAL STATE	192.443	971.501	TOTAL STATE	261.661	1320.149

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	3912	3967	3630
MSGENCO Hydro	396	294	71
MSGENCO Gas	646	620	604
MSGENCO Total Generation	4954	4881	4305
Central Sector Receipt	3039	3516	2492
RGPPL	951	950	952
WIND	594	594	394
Exchange with TPCL	-512	-298	33
MSEDCL DEMAND MET	9026	9670	8176
Load Shedding	0	1558	0
MSEDCL DEMAND (INCL. LS)	9026	11228	8176
TPCL GENERATION	1373	1519	981
REL GENERATION	527	528	528
TPCL+REL DEMAND	2412	2345	1476
STATE DEMAND MET	11438	12015	9652
STATE DEMAND (INCL. LS)	11438	13573	9652
Frequency (Hz)	50.00	49.93	50.10
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			1669 MW At 20.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			0.50 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.39 Hz at 19.04 Hrs	49.43 Hz at 11.44 Hrs	49.95	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/Sep/2009

Generating unit	Generation				OLC (MW)	Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)			Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi						Stage 3	1.28	4.80	218	0	240
Unit 1	0.00	0.00	0	0	0		2.25	13.80			1090
Unit 2	1.36	5.23	73	17	60	Hydro					
Unit 3	0.81	0.81	69	0	0	KDPH	0.00	0.00	0	0	0
Unit 4	1.01	6.70	78	2	50	VTRNA	0.00	0.28	0	0	0
Unit 5	0.15	5.30	68	0	0	TILLARI	0.74	2.36	58	0	60
Unit 6	2.12	13.64	112	53	70	BHTGR/VEER	0.40	2.31	17	16	20
Unit 7	2.50	14.66	126	68	50	BHIRA T.R.	0.46	1.85	82	0	80
	7.96	46.34			230	RNGR+BHTSA	0.08	0.49	4	3	13
Bhusawal						BHANDARDRA	0.00	0.11	0	0	0
Unit 1	0.82	4.05	44	15	40	ELDARY	0.00	0.00	0	0	0
Unit 2	0.00	5.17	0	0	0	PAITHAN	0.06	0.28	10	0	0
Unit 3	4.07	21.39	180	160	190	GHATGHAR	0.00	0.92	0	0	0
	4.90	30.61			230		1.74	8.62			173
Parli						PENCH (MS)					
Unit 1	0.58	2.94	26	23	20	Pench (MS)	0.15	1.36	53	0	0
Unit 2	0.59	2.96	25	22	20		0.15	1.36			0
Unit 3	3.87	19.88	180	132	170	Wind					
Unit 4	3.93	8.12	183	126	150	MalharPeth	0.73	2.52			
Unit 5	3.98	19.68	178	152	170	Vankuswadi	1.65	5.64			
Unit 6	4.62	23.17	211	159	180	ATIT	0.33	1.04			
	17.57	76.74			710	Kale	0.11	0.36			
Chandrapur						Satara	0.63	2.66			
Unit 1	3.50	16.25	158	133	155	Shirala	0.47	1.45			
Unit 2	2.80	13.65	124	62	105	K Mahankal	1.18	3.51			
Unit 3	2.71	13.14	138	84	90	Supa	0.15	0.56			
Unit 4	4.60	20.00	198	174	190	Vita	2.21	9.08			
Unit 5	6.06	32.60	330	197	350	Dondaicha	3.91	13.55			
Unit 6	6.00	31.58	300	209	250	Sakri	0.68	2.11			
Unit 7	5.53	31.21	296	135	200	Nandurbar	0.45	1.59			
	31.20	158.42			1340	Khadakale	0.80	2.11			
Paras						Khaparale	0.85	2.77			
Unit 2	0.67	1.57	38	12	20		14.15	48.95			
Unit 3	2.66	12.11	192	76	100	Dabhol					
	3.33	13.68			120	RGPPPL II	22.80	114.86	955	945	901
Khaparkheda						RGPPPL III	0.00	0.00	0	0	0
Unit 1	4.86	23.30	210	199	200		22.80	114.86			901
Unit 2	4.49	22.01	188	182	190	Tata					
Unit 3	4.61	23.71	198	187	210	Trombay 4	0.00	0.00	0	0	0
Unit 4	5.06	24.49	214	206	210	Trombay 5	10.74	58.32	505	290	500
	19.02	93.50			810	Trombay 6	11.20	50.58	510	340	500
Nasik						Trombay 7A	2.20	11.04	94	83	100
Unit 1	0.00	0.00	0	0	0	Trombay 7B	0.00	0.00	0	0	0
Unit 2	1.91	9.82	95	57	85	Trombay 8	3.81	24.08	188	126	220
Unit 3	0.00	14.31	0	0	0	TATA Hydro	1.59	13.86	265	0	447
Unit 4	4.36	22.42	195	156	190		29.53	157.89			1767
Unit 5	3.99	21.52	190	113	160	REL					
	10.26	68.07			435	1&2	12.67	63.29	530	525	500
Uran							12.67	63.29			500
All Units	14.90	75.37	646	597	630	Cent Sect					
	14.90	75.37			630	Share					3260
Koyna											3260
Stage 1-2	0.98	6.49	50	30	600	MS PG CL					
Stage 4	0.00	2.51	0	0	250	Thermal	94.24	487.36			3875
Koyna 12&4 Total	0.98	9.00			850	Thml+Gas	109.14	562.74			4505
						Hydro	4.00	22.42			1263
						Total	113.13	585.15			5768
						State Total	192.44	971.50			12196

State Load Dispatch Center, Airoli (MSETCL)

Hourly Load Data As on 05/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	3719	66	597	4382	955	363	2889	2611	-10	32	8343	242	8585	1654	10239	49.97
2	3722	61	603	4386	954	345	2841	2532	-10	34	8251	0	8251	1513	9764	49.94
3	3630	71	604	4305	952	394	2889	2492	-10	33	8176	0	8176	1476	9652	50.10
4	3659	56	604	4319	949	463	2914	2576	-10	34	8341	0	8341	1395	9736	50.04
5	3653	61	605	4319	951	475	2914	2626	-10	30	8401	0	8401	1432	9833	50.05
6	3704	61	627	4392	951	478	2914	2919	-10	31	8771	0	8771	1513	10284	49.94
7	3808	149	633	4590	950	561	2910	2793	-10	29	8923	0	8923	1580	10503	49.99
8	3894	114	640	4648	951	653	2910	2757	-10	32	9041	0	9041	1714	10755	50.12
9	3929	150	629	4708	951	698	2926	2692	-24	19	9068	0	9068	1864	10932	50.04
10	3920	272	629	4821	953	653	3227	3190	-544	-513	9104	0	9104	2289	11393	49.94
11	3912	396	646	4954	951	594	3227	3039	-544	-512	9026	0	9026	2412	11438	50.00
12	3930	343	625	4898	948	646	3209	2805	-544	-512	8785	0	8785	2475	11260	49.60
13	4020	201	634	4855	945	668	3218	2824	-544	-527	8765	0	8765	2468	11233	50.02
14	4051	118	626	4795	947	789	3227	2553	-544	-522	8562	0	8562	2341	10903	50.02
15	4074	116	625	4815	947	815	3191	2489	-544	-528	8538	0	8538	2338	10876	49.86
16	4104	111	622	4837	948	726	3251	2767	-544	-530	8748	0	8748	2292	11040	49.83
17	3887	107	618	4612	947	748	3274	3076	-544	-524	8859	0	8859	2288	11147	49.94
18	3943	117	612	4672	949	712	3196	3261	-459	-440	9154	0	9154	2230	11384	49.92
19	3907	122	614	4643	948	572	3243	3590	-327	-300	9453	239	9692	2241	11933	49.88
20	3967	294	620	4881	950	594	3250	3516	-327	-298	9670	1558	11228	2345	13573	49.93
21	4096	363	612	5071	950	637	3103	3230	-337	-289	9652	1332	10984	2278	13262	49.72
22	4112	344	622	5078	952	560	3103	3094	-335	-277	9432	1341	10773	2171	12944	49.92
23	4136	208	625	4969	950	519	3185	2955	-352	-290	9128	1220	10348	2045	12393	50.09
24	3912	86	627	4625	953	493	3122	2883	-291	-232	8746	718	9464	1870	11334	50.03
MUs	93.69	3.99	14.90	112.58	22.80	14.16	74.13	69.27	-6.88	-6.02	212.94	6.65	219.59	48.22	267.81	49.95

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/Sep/2009

Position as on 6.30 Hrs of 06/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	
Koradi Unit 3	105	26/08/2009	01.13	05/09/2009	09:42	Generator Rotor E/F	
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

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

Position as on 6.30 Hrs of 06/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.
Kolhapur-Mapusa-II	04/09/2009	23:53	05/09/2009	09:18	H/T for O/V.
Dhule-Sar'Sarovar II	05/09/2009	00:12	05/09/2009	06:43	H/T for O/V.
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		
400/220 315 MVA ICT-III DHULE	05/09/2009	10:14	05/09/2009	19:02	Q.M. Work.
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.
Butibori-Indorama	05/09/2009	07:00	05/09/2009	08:10	ABT Meter isolation at consumer end.
Bblswr-Anagar Ckt.II	05/09/2009	09:17	05/09/2009	16:37	Q.M. Work.
Urse-Sahara	05/09/2009	09:54	05/09/2009	19:24	Isolator Replacement.
Ambazari-Amravati	05/09/2009	11:20	05/09/2009	13:30	Breaker Problem.
Gadchandur-Virur-I	05/09/2009	12:04	05/09/2009	17:56	Testing & Comm of B/B Prot Scheme.
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 : 132KV			Outage Type PLANNED OUTAGE		
Ambazari - Mankapur	05/09/2009	10:15	05/09/2009	15:34	Relay retro fitting 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 : 220KV			Outage Type FORCED OUTAGE		
Urse-Sahara	05/09/2009	19:32	05/09/2009	19:43	To attend hot spot.

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

Position as on 6.30 Hrs of 06/Sep/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Kolhapur CKT I	04/09/2009	00:52	05/09/2009	08:46	H/T for O/v
Karad-Kolhapur CKT II	06/09/2009	02:33	06/09/2009	08:53	H/T for O/V.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
220 KV Bus Sectionizer @ Kolshet.	05/09/2009	10:15	05/09/2009	20:17	Breaker Problem.
Wardha-Badnera	05/09/2009	22:14		Continued.	H/T to load Akola.
Voltage Level : 132KV			Outage Type TRIPPED		
Mankapur - Uppalwadi	05/09/2009	10:05	05/09/2009	15:37	Outage on AMBZ CKT.

State Load Dispatch Center, Airoli (MSETCL)

Details of On Line Capacity for 06/Sep/2009

Generating unit	Derated Capacity (MW)	OLC (MW)	Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi			KDPH	40	0
Unit 1	105	0	VTRNA	60	0
Unit 2	105	65	TILLARI	60	60
Unit 3	105	65	BHTGR/VEER	21	10
Unit 4	105	65	BHIRA T.R.	80	80
Unit 5	200	0	RNGR+BHTSA	20	4
Unit 6	210	140	BHANDARDRA	45	0
Unit 7	210	135	ELDARY	23	0
	1040	470	PAITHAN	12	10
Bhusawal			GHATGHAR	250	0
Unit 1	58	40		611	164
Unit 2	210	0	PENCH (MS)		
Unit 3	210	185	Pench (MS)	53	
	478	225		53	
Parli			Wind		
Unit 1	30	20	MalharPeth	0	
Unit 2	30	20	Vankuswadi	0	
Unit 3	210	150	ATIT	0	
Unit 4	210	150	Kale	0	
Unit 5	210	150	Satara	0	
Unit 6	250	220	Shirala	0	
	940	710	K Mahankal	0	
Chandrapur			Supa	0	
Unit 1	210	150	Vita	0	
Unit 2	210	0	Dondaicha	0	
Unit 3	210	150	Sakri	0	
Unit 4	210	200	Nandurbar	0	
Unit 5	500	300	Khadakale	0	
Unit 6	500	300	Khaparale	0	
Unit 7	500	270		0	
	2340	1370	Dabhol		
Paras			RGPPL II	960	900
Unit 2	55	35	RGPPL III	740	0
Unit 3	250	180		1700	900
	305	215	Tata		
Khaparkheda			Trombay 4	150	0
Unit 1	210	200	Trombay 5	500	250
Unit 2	210	190	Trombay 6	500	500
Unit 3	210	210	Trombay 7A	120	100
Unit 4	210	210	Trombay 7B	60	0
	840	810	Trombay 8	250	200
Nasik			TATA Hydro	444	447
Unit 1	120	0		2024	1497
Unit 2	120	85	REL		
Unit 3	210	0	1&2	500	500
Unit 4	210	190		500	500
Unit 5	210	180	Cent Sect		
	870	455	Share	3143	2670
Uran				3143	2670
All Units	852	600			
	852	600			
Koyna					
Stage 1-2	600	600			
Stage 4	1000	250			
Stage 3	320	240			
	1920	1090			
Hydro					
				17616	11676