



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

State Load Dispatch Center, Airoli

Daily system Report

for

04/Sep/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 04/Sep/2009 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	88.620	393.128	1) Madhya Pradesh	52.360	219.796
2) Hydro	3.523	18.420	2) Gujrat	14.211	54.076
3) Gas	14.556	60.473	3) Goa	-5.586	-22.388
Total MSGENCO	106.699	472.021	4) TAPS 1&2 (Inj.)	7.283	29.155
B) OTHERS			5) Pench (Excess)	-0.010	-1.202
1) RGPPL Gas	22.942	92.063	# Total Cent. Sector	68.258	279.437
2) Wind Generation	13.148	34.796	F) Other Exchanges		
3) PENCH (MS)	0.010	1.202	1) With TPCL	-6.214	-20.218
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	25.635	116.089	1) MSEDCL Bilateral	5.062	22.075
2) TPCL Hydro	4.177	12.267	Include PX	0.000	2.941
TOTAL TPCL	29.812	128.356	2) MUMBAI Bilateral	6.557	23.863
3) REL Thermal	12.702	50.620	Include PX	0.000	-0.242
D) STATE			3) MUMBAI Schedule	6.557	23.863
1) Thermal (A1+C1+C3)	126.957	559.837	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	7.710	31.889	1) MSEDCL	204.843	859.301
3) Gas (A3+B1)	37.498	152.536	2) TPCL	32.487	132.673
4) Wind (B2)	13.148	34.796	3) REL	16.239	66.514
TOTAL STATE	185.313	779.058	TOTAL STATE	253.569	1058.488

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 9 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	3762	3698	3680
MSGENCO Hydro	71	628	59
MSGENCO Gas	647	601	585
MSGENCO Total Generation	4480	4927	4324
Central Sector Receipt	2782	3276	2276
RGPPL	956	956	956
WIND	598	601	413
Exchange with TPCL	-55	-279	46
MSEDCL DEMAND MET	8761	9491	8015
Load Shedding	292	1179	0
MSEDCL DEMAND (INCL. LS)	9053	10670	8015
TPCL GENERATION	1335	1630	905
REL GENERATION	530	527	532
TPCL+REL DEMAND	1920	2436	1391
STATE DEMAND MET	10681	11927	9406
STATE DEMAND (INCL. LS)	10973	13106	9406
Frequency (Hz)	49.90	49.53	50.23
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			1226 MW At 20.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2.82 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.47 Hz at 08.04 Hrs	49.12 Hz at 14.46 Hrs	49.84	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 04/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	1.59	3.87	71	64	60
Unit 3	0.00	0.00	0	0	0
Unit 4	1.50	5.69	74	42	60
Unit 5	1.78	5.15	112	51	100
Unit 6	2.58	11.52	145	62	130
Unit 7	2.41	12.15	130	40	130
	9.87	38.38			480
Bhusawal					
Unit 1	0.50	3.22	26	12	20
Unit 2	0.00	5.17	0	0	0
Unit 3	4.08	17.32	179	160	180
	4.58	25.71			200
Parli					
Unit 1	0.58	2.36	26	22	20
Unit 2	0.59	2.37	26	21	20
Unit 3	4.10	16.01	175	148	170
Unit 4	1.64	4.19	152	49	50
Unit 5	4.05	15.70	180	155	170
Unit 6	4.64	18.55	210	163	220
	15.60	59.17			650
Chandrapur					
Unit 1	3.09	12.75	155	102	100
Unit 2	2.81	10.85	121	102	105
Unit 3	1.91	10.43	151	30	160
Unit 4	4.52	15.40	200	165	205
Unit 5	4.93	26.54	303	161	250
Unit 6	4.48	25.58	250	140	350
Unit 7	4.35	25.68	225	142	250
	26.08	127.22			1420
Paras					
Unit 2	0.24	0.90	19	0	0
Unit 3	2.14	9.46	102	75	100
	2.38	10.35			100
Khaparkheda					
Unit 1	4.75	18.44	204	172	200
Unit 2	4.52	17.52	196	180	190
Unit 3	4.92	19.10	213	197	200
Unit 4	5.03	19.43	214	195	200
	19.22	74.48			790
Nasik					
Unit 1	0.00	0.00	0	0	0
Unit 2	2.04	7.90	88	80	75
Unit 3	0.11	14.31	113	0	0
Unit 4	4.36	18.06	194	169	170
Unit 5	4.38	17.54	193	169	160
	10.89	57.80			405
Uran					
All Units	14.56	60.47	647	576	550
	14.56	60.47			550
Koyna					
Stage 1-2	1.02	5.52	130	30	600
Stage 4	0.04	2.51	38	0	250
Koyna 12&4 Total	1.06	8.02			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.93	3.52	220	0	240
	1.99	11.55			1090
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.28	0	0	0
TILLARI	0.34	1.63	58	0	60
BHTGR/VEER	0.47	1.90	20	19	20
BHIRA T.R.	0.30	1.40	83	0	80
RNGR+BHTSA	0.14	0.41	17	3	4
BHANDARDRA	0.06	0.11	31	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	0.23	10	0	0
GHATGHAR	0.16	0.92	100	0	0
	1.54	6.87			164
PENCH (MS)					
Pench (MS)	0.01	1.20	10	0	0
	0.01	1.20			0
Wind					
MalharPeth	0.53	1.78			
Vankuswadi	1.27	3.99			
ATIT	0.25	0.71			
Kale	0.08	0.26			
Satara	0.55	2.03			
Shirala	0.31	0.98			
K Mahankal	1.04	2.33			
Supa	0.20	0.41			
Vita	2.57	6.88			
Dondaicha	4.03	9.64			
Sakri	0.54	1.43			
Nandurbar	0.46	1.14			
Khadakale	0.56	1.30			
Khaparale	0.75	1.92			
	13.15	34.80			
Dabhol					
RGPP L II	22.94	92.06	958	955	906
RGPP L III	0.00	0.00	0	0	0
	22.94	92.06			906
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.32	47.58	505	400	500
Trombay 6	8.16	39.38	500	20	500
Trombay 7A	2.00	8.85	84	83	100
Trombay 7B	0.00	0.00	0	0	0
Trombay 8	4.14	20.28	230	90	220
TATA Hydro	4.18	12.27	459	0	447
	29.81	128.36			1767
REL					
1&2	12.70	50.62	532	527	500
	12.70	50.62			500
Cent Sect					
Share					3261
					3261

MS PG CL	Thermal	88.62	393.13		4045
	Thml+Gas	103.18	453.60		4595
	Hydro	3.52	18.42		1254
	Total	106.70	472.02		5849
State Total		185.31	779.06		12283

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 04/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	3957	69	585	4611	956	387	2687	2421	16	35	8410	0	8410	1627	10037	50.01
2	3744	64	584	4392	956	413	2651	2458	16	43	8262	0	8262	1512	9774	50.13
3	3680	59	585	4324	956	413	2651	2276	16	46	8015	0	8015	1391	9406	50.23
4	3683	59	582	4324	957	424	2651	2454	16	47	8206	0	8206	1385	9591	50.10
5	3670	64	578	4312	958	441	2651	2681	16	41	8433	0	8433	1382	9815	50.07
6	3730	59	576	4365	957	502	2651	3018	16	43	8885	0	8885	1437	10322	49.93
7	3740	64	614	4418	956	554	2702	2819	16	3	8750	0	8750	1571	10321	49.99
8	3772	59	645	4476	956	688	2732	2866	-28	-2	8984	98	9082	1669	10751	50.00
9	3762	71	647	4480	956	598	2806	2782	-42	-55	8761	292	9053	1920	10973	49.90
10	3699	178	638	4515	956	655	3132	2646	-514	-468	8304	195	8499	2301	10800	49.74
11	3576	302	643	4521	957	606	3388	2928	-575	-528	8484	0	8484	2467	10951	49.89
12	3514	200	616	4330	955	574	3092	2840	-575	-604	8095	44	8139	2501	10640	49.58
13	3521	127	623	4271	955	790	3092	2735	-575	-750	8001	480	8481	2444	10925	49.81
14	3511	143	613	4267	955	570	3092	2483	-575	-576	7699	0	7699	2409	10108	49.68
15	3607	138	617	4362	957	586	2980	2585	-531	-535	7955	0	7955	2409	10364	49.60
16	3553	138	609	4300	956	591	3130	2694	-531	-479	8062	0	8062	2360	10422	49.95
17	3567	68	600	4235	955	540	3165	3210	-531	-484	8456	0	8456	2347	10803	49.83
18	3586	57	604	4247	955	559	3145	3144	-444	-407	8498	184	8682	2380	11062	49.71
19	3647	254	605	4506	955	541	3013	3143	-309	-258	8887	878	9765	2321	12086	49.61
20	3698	628	601	4927	956	601	3289	3276	-312	-279	9491	1179	10670	2436	13106	49.53
21	3786	469	603	4858	955	588	3314	3353	-312	-293	9461	1121	10582	2341	12923	49.54
22	3866	134	599	4599	955	602	3302	3348	-312	-292	9212	1114	10326	2183	12509	49.77
23	3880	62	597	4539	956	538	3328	3088	-282	-263	8858	1092	9950	2016	11966	49.71
24	3774	57	590	4421	956	385	3264	2927	-220	-199	8490	613	9103	1919	11022	49.73
MUs	88.52	3.52	14.55	106.60	22.94	13.15	71.91	68.18	-6.56	-6.21	204.66	7.29	211.95	48.73	260.68	49.84

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 04/Sep/2009

Position as on 6.30 Hrs of 05/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
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		Continued.	Generator Rotor E/F	06/09/2009
Paras Unit 2	55	01/09/2009	18.50	04/09/2009	08:25	Reverse Power Protection	
Nasik Unit 3	210	04/09/2009	00.45		Continued.	Boiler Tube Leakage	06/09/2009
Tata Trombay 6	500	04/09/2009	11:51	04/09/2009	12:58	Main Steam Control Value Prot.	
Cent_Sect NTPC(V-7)	500	04/09/2009	13:24	04/09/2009	17:10	Flame failure.	
Koradi Unit 5	200	05/09/2009	02:37		Continued.	CHP Problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 04/Sep/2009

Position as on 6.30 Hrs of 05/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-S'Sarovar I	02/09/2009	01.31	04/09/2009	16:16	H/T for O/V
Kolhapur-Mapusa Ckt I	03/09/2009	21.51	04/09/2009	08:55	H/T due to O/V
Kolhapur-Mapusa-II	04/09/2009	23:53		Continued.	H/T for O/V.
Dhule-Sar'Sarovar II	05/09/2009	00:12		Continued.	H/T for O/V.
Voltage Level : 400KV			Outage Type TRIPPED		
Seoni - Wardha	01/09/2009	01.44		Continued.	Tripped on Over Voltage.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
Chandrapur - Padgha Pole -I	04/09/2009	06:49		Continued.	Capacitor replacement.
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.
Kalwa-Taloja	04/09/2009	11:06	04/09/2009	15:50	To attend hot spot of wave trap.
Mahsal - Miraz	04/09/2009	11:55		Continued.	Retrofitting work.
Vita-Maisal	04/09/2009	11:55		Continued.	Retrofitting work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Kolhapur CKT I	04/09/2009	00.52		Continued.	H/T for O/v
New Koyna - Dabhol - II	04/09/2009	01.58	04/09/2009	05.08	H/T due to R phase A Isolator sparking, Line taken on TBC
Voltage Level : 220KV			Outage Type HAND TRIPPED		
220/100 KV 200MVA T/F @ Padgha.	04/09/2009	10:08	04/09/2009	21:17	Replacement of R Ph Bushing.
Voltage Level : 220KV			Outage Type TRIPPED		
Trombay - Tifil	04/09/2009	00.18	04/09/2009	00.49	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 05/Sep/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	60
Unit 3	105	0
Unit 4	105	50
Unit 5	200	0
Unit 6	210	70
Unit 7	210	50
	1040	230
Bhusawal		
Unit 1	58	40
Unit 2	210	0
Unit 3	210	190
	478	230
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	170
Unit 4	210	150
Unit 5	210	170
Unit 6	250	180
	940	710
Chandrapur		
Unit 1	210	155
Unit 2	210	105
Unit 3	210	90
Unit 4	210	190
Unit 5	500	350
Unit 6	500	250
Unit 7	500	200
	2340	1340
Paras		
Unit 2	55	20
Unit 3	250	100
	305	120
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	0
Unit 4	210	190
Unit 5	210	160
	870	435
Uran		
All Units	852	630
	852	630
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	0
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	20
BHIRA T.R.	80	80
RNGR+BHTSA	20	13
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	173
PENCH (MS)		
Pench (MS)	53	0
	53	0
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		
RGPPPL II	960	901
RGPPPL III	740	0
	1700	901
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	100
Trombay 7B	60	0
Trombay 8	250	220
TATA Hydro	444	447
	2024	1767
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3260
	3143	3260

	17616	12196
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