



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

State Load Dispatch Center, Airoli

Daily system Report

for

08/Sep/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 08/Sep/2009 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	103.757	788.059	1) Madhya Pradesh	47.600	423.957
2) Hydro	4.199	34.494	2) Gujrat	14.472	113.205
3) Gas	14.412	119.498	3) Goa	-5.743	-44.058
Total MSGENCO	122.368	942.051	4) TAPS 1&2 (Inj.)	7.246	58.253
B) OTHERS			5) Pench (Excess)	-0.020	-1.504
1) RGPPL Gas	22.864	183.350	# Total Cent. Sector	63.555	549.853
2) Wind Generation	16.218	88.263	F) Other Exchanges		
3) PENCH (MS)	0.020	1.504	1) With TPCL	-6.802	-42.941
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	26.199	220.004	1) MSEDCL Bilateral	4.940	40.668
2) TPCL Hydro	3.921	21.647	Include PX	0.000	2.941
TOTAL TPCL	30.120	241.651	2) MUMBAI Bilateral	7.767	51.124
3) REL Thermal	12.644	101.285	Include PX	0.095	-0.147
D) STATE			3) MUMBAI Schedule	7.767	51.124
1) Thermal (A1+C1+C3)	142.600	1109.348	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	8.140	57.645	1) MSEDCL	218.223	1722.080
3) Gas (A3+B1)	37.276	302.848	2) TPCL	32.953	256.067
4) Wind (B2)	16.218	88.263	3) REL	16.621	129.815
TOTAL STATE	204.234	1558.104	TOTAL STATE	267.797	2107.962

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4405	4371	3947
MSGENCO Hydro	166	820	54
MSGENCO Gas	590	595	611
MSGENCO Total Generation	5161	5786	4612
Central Sector Receipt	2664	3099	2345
RGPPL	948	954	954
WIND	594	768	632
Exchange with TPCL	-563	-335	13
MSEDCL DEMAND MET	8804	10292	8556
Load Shedding	1227	2249	0
MSEDCL DEMAND (INCL. LS)	10031	12541	8556
TPCL GENERATION	1487	1558	860
REL GENERATION	524	523	529
TPCL+REL DEMAND	2574	2416	1376
STATE DEMAND MET	11378	12708	9932
STATE DEMAND (INCL. LS)	12605	14957	9932
Frequency (Hz)	49.16	49.32	49.46
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2355 MW at 20.00Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			14.59 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
49.99 Hz at 23.58 Hrs	48.75 Hz at 19.06 Hrs	49.37	6.06 % 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 08/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	1.15	8.36	64	24	60
Unit 3	1.17	4.22	67	36	60
Unit 4	1.18	10.09	62	26	50
Unit 5	1.97	7.27	136	0	60
Unit 6	2.98	22.67	142	102	120
Unit 7	1.81	22.72	137	0	120
	10.26	75.33			470
Bhusawal					
Unit 1	0.72	6.65	44	0	50
Unit 2	0.00	5.17	0	0	0
Unit 3	4.14	33.64	186	158	185
	4.86	45.45			235
Parli					
Unit 1	0.56	4.63	26	20	20
Unit 2	0.56	4.62	26	19	20
Unit 3	3.68	28.52	176	103	150
Unit 4	4.07	18.87	200	130	150
Unit 5	4.00	30.93	175	156	150
Unit 6	3.98	32.61	221	73	150
	16.85	120.17			640
Chandrapur					
Unit 1	3.67	26.75	164	138	150
Unit 2	0.00	13.65	0	0	0
Unit 3	3.19	23.22	154	85	150
Unit 4	4.54	33.60	203	165	180
Unit 5	8.08	56.48	408	298	400
Unit 6	6.90	52.97	330	260	300
Unit 7	8.06	54.02	380	285	350
	34.44	260.68			1530
Paras					
Unit 2	0.87	4.19	43	30	45
Unit 3	3.87	24.48	199	0	175
	4.74	28.67			220
Khaparkheda					
Unit 1	4.62	36.88	203	181	190
Unit 2	4.05	35.00	193	103	150
Unit 3	4.32	38.06	213	135	200
Unit 4	4.03	38.53	196	136	170
	17.02	148.47			710
Nasik					
Unit 1	0.00	0.00	0	0	0
Unit 2	2.05	16.18	93	69	85
Unit 3	4.70	22.46	205	170	200
Unit 4	4.62	36.20	202	182	190
Unit 5	4.22	34.45	194	149	180
	15.58	109.28			655
Uran					
All Units	14.41	119.50	627	575	600
	14.41	119.50			600
Koyna					
Stage 1-2	0.96	9.34	125	30	460
Stage 4	0.66	3.72	307	0	250
Kovna 12&4 Total	1.63	13.06			710

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.80	7.40	236	0	240
	2.43	20.46			950
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.52	0	0	60
TILLARI	0.50	3.84	60	0	60
BHTGR/VEER	0.48	3.75	20	20	21
BHIRA T.R.	0.30	2.83	82	0	80
RNGR+BHTSA	0.10	0.76	4	4	4
BHANDARDRA	0.00	0.16	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	0.46	10	0	10
GHATGHAR	0.33	1.71	120	0	0
	1.77	14.03			235
PENCH (MS)					
Pench (MS)	0.02	1.50	20	0	
	0.02	1.50			
Wind					
MalharPeth	0.55	4.26			
Vankuswadi	0.84	9.02			
ATIT	0.25	1.86			
Kale	0.43	0.95			
Satara	0.35	4.02			
Shirala	0.35	2.73			
K Mahankal	0.20	4.88			
Supa	0.14	0.97			
Vita	1.62	14.48			
Dondaicha	7.93	28.44			
Sakri	1.25	4.50			
Nandurbar	0.95	3.60			
Khadakale	0.58	3.78			
Khaparale	0.78	4.79			
	16.22	88.26			
Dabhol					
RGPP L II	22.86	183.35	958	947	890
RGPP L III	0.00	0.00	0	0	
	22.86	183.35			890
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.86	88.14	505	430	500
Trombay 6	10.19	81.66	510	150	500
Trombay 7A	2.08	17.66	88	86	100
Trombay 7B	0.00	0.00	0	0	0
Trombay 8	2.07	32.54	133	43	150
TATA Hydro	3.92	21.65	393	0	447
	30.12	241.65			1697
REL					
1&2	12.64	101.28	530	523	500
	12.64	101.28			500
Cent Sect					
Share					3259
					3259

MS PG CL	Thermal	103.76	788.06		4460
	Thml+Gas	118.17	907.56		5060
	Hydro	4.20	34.49		1185
	Total	122.37	942.05		6245
State Total		204.23	1558.10		12591

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 08/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	4132	59	605	4796	953	567	2823	2337	-34	1	8654	0	8654	1507	10161	49.36
2	4092	54	606	4752	954	604	2811	2173	-34	11	8494	0	8494	1455	9949	49.36
3	3947	54	611	4612	954	632	2806	2345	-34	13	8556	0	8556	1376	9932	49.46
4	4034	54	607	4695	954	689	2805	2312	-34	21	8671	0	8671	1309	9980	49.27
5	4160	54	599	4813	953	725	2803	2311	-34	13	8815	0	8815	1334	10149	49.02
6	4294	69	609	4972	952	808	2643	2437	-34	7	9176	403	9579	1457	11036	49.19
7	4352	59	619	5030	953	683	2553	2076	-34	-1	8741	1264	10005	1621	11626	49.37
8	4475	54	627	5156	954	682	2653	1967	-34	1	8760	1141	9901	1715	11616	49.54
9	4527	121	622	5270	954	763	2766	2362	-144	-108	9241	796	10037	1923	11960	49.58
10	4384	132	614	5130	953	674	2999	2826	-498	-469	9114	851	9965	2301	12266	49.54
11	4182	207	602	4991	952	526	3081	2591	-569	-566	8494	1093	9587	2559	12146	49.51
12	4405	166	590	5161	948	594	3144	2664	-594	-563	8804	1227	10031	2574	12605	49.16
13	4423	54	590	5067	949	593	3205	2748	-594	-566	8791	1146	9937	2566	12503	49.29
14	4330	54	575	4959	947	541	3249	2814	-594	-561	8700	1069	9769	2465	12234	49.28
15	4394	54	582	5030	950	705	3249	2678	-594	-562	8801	1082	9883	2506	12389	49.29
16	4348	59	587	4994	951	713	3251	2775	-594	-569	8864	1006	9870	2525	12395	49.41
17	4375	74	595	5044	953	774	3256	3060	-594	-562	9269	1014	10283	2520	12803	49.58
18	4410	129	585	5124	951	693	3140	3024	-504	-472	9320	1089	10409	2471	12880	49.34
19	4410	309	585	5304	951	730	3173	3074	-387	-342	9717	1696	11413	2413	13826	49.26
20	4371	820	595	5786	954	768	3175	3099	-387	-335	10292	2249	12541	2416	14957	49.32
21	4354	822	596	5772	954	812	3166	3122	-387	-325	10335	1940	12275	2362	14637	49.26
22	4442	483	592	5517	955	529	3167	2995	-387	-327	9669	1951	11620	2196	13816	49.35
23	4401	204	602	5207	957	680	3151	3026	-370	-307	9563	1604	11167	2045	13212	49.48
24	4307	54	617	4978	958	733	3017	2729	-297	-234	9164	1138	10302	1950	12252	49.72
MUs	103.55	4.20	14.41	122.16	22.86	16.22	72.09	63.54	-7.77	-6.80	218.00	23.76	241.76	49.57	291.33	49.37

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 08/Sep/2009

Position as on 6.30 Hrs of 09/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.	11/09/2009
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 5	200	05/09/2009	02:37	08/09/2009	01.09	CHP 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
Cent_Sect NTPC(V-7)	500	08/09/2009	04.28	08/09/2009	10.30	Flame failure.	
Bhusawal Unit 1	58	08/09/2009	09.18	08/09/2009	12.39	Reverse Power protection.	
Koradi Unit 7	210	08/09/2009	15.10		Continued.	Coal bunkering problem.	
Paras Unit 3	250	08/09/2009	19.12	08/09/2009	21.23	Flame failure.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 08/Sep/2009

Position as on 6.30 Hrs of 09/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 Ckt I	07/09/2009	23.13	08/09/2009	09.25	H/T For O/V.
DHULE-SAR'SAROVAR-I	07/09/2009	23.54	08/09/2009	15.25	H/T for O/V.
Kolhapur-Mapusa-II	08/09/2009	22.42		Continued.	Hand Tripped for Over Voltage.
Dhule-Sar'Sarovar II	08/09/2009	23.46		Continued.	Hand Tripped for Over Voltage.
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
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	08/09/2009	18.15	Retrofitting work.
Vita-Maisal	04/09/2009	11:55		Continued.	Retrofitting work.
Kolhapur - Karad - II	08/09/2009	09.30	08/09/2009	17.19	Insulator Replacement.
K'gaon-ONGC	08/09/2009	09.50	08/09/2009	19.30	R.M.Work.
200MVA,220/132KV ICT-II at Harangul	08/09/2009	10.35	08/09/2009	17.05	Quarterly Maintainance.
Main Bus - I @ Versova	09/09/2009	00.35	09/09/2009	05.41	Crimping & Jumpering Work.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220 KV,600 MVA ICT-II at Kalwa	08/09/2009	06.45	08/09/2009	10.02	To Attend Hot Spot on R ph.CT.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Kolhapur CKT II	07/09/2009	00.39	08/09/2009	07.45	H/T for O/V
Karad-Kolhapur CKT I	09/09/2009	00.22	09/09/2009	06.19	Hand Tripped for Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha-Badnera	05/09/2009	22:14	08/09/2009	21.20	H/T to load Akola.
Wardha--Dhamangaon	08/09/2009	21.22		Continued.	"R" Phase no current.
Voltage Level : 400KV			Outage Type TRIPPED		
Karad-Kolhapur CKT II	09/09/2009	05.32	09/09/2009	05.38	Tripped at Karad end only.
Karad-Kolhapur CKT II	09/09/2009	06.08		Continued.	Tripped at Karad end only.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 09/Sep/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	40
Unit 3	105	50
Unit 4	105	40
Unit 5	200	140
Unit 6	210	140
Unit 7	210	0
	1040	410
Bhusawal		
Unit 1	58	45
Unit 2	210	0
Unit 3	210	185
	478	230
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	180
Unit 4	210	180
Unit 5	210	170
Unit 6	250	225
	940	795
Chandrapur		
Unit 1	210	160
Unit 2	210	0
Unit 3	210	150
Unit 4	210	200
Unit 5	500	400
Unit 6	500	350
Unit 7	500	400
	2340	1660
Paras		
Unit 2	55	25
Unit 3	250	135
	305	160
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	200
Unit 4	210	190
Unit 5	210	180
	870	655
Uran		
All Units	852	630
	852	630
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	20
BHIRA T.R.	80	80
RNGR+BHTSA	20	4
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	174
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	900
RGPPPL III	740	0
	1700	900
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	3278
	3143	3278

	17616	12849
--	--------------	--------------