



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

State Load Dispatch Center, Airoli

Daily system Report

for

11/Sep/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 11/Sep/2009 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	110.478	1108.402	1) Madhya Pradesh	52.520	583.145
2) Hydro	3.790	47.120	2) Gujrat	23.915	172.867
3) Gas	15.077	164.385	3) Goa	-5.922	-61.089
Total MSGENCO	129.345	1319.907	4) TAPS 1&2 (Inj.)	7.233	80.048
B) OTHERS			5) Pench (Excess)	-0.236	-1.866
1) RGPPL Gas	23.025	252.241	# Total Cent. Sector	77.510	773.105
2) Wind Generation	4.407	122.699	F) Other Exchanges		
3) PENCH (MS)	0.236	1.866	1) With TPCL	-7.221	-64.262
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	28.913	304.658	1) MSEDCL Bilateral	5.820	56.349
2) TPCL Hydro	3.621	33.857	Include PX	0.000	2.941
TOTAL TPCL	32.534	338.515	2) MUMBAI Bilateral	8.097	75.247
3) REL Thermal	12.643	139.166	Include PX	0.000	0.043
D) STATE			3) MUMBAI Schedule	8.097	75.247
1) Thermal (A1+C1+C3)	152.034	1552.226	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	7.647	82.843	1) MSEDCL	227.302	2405.556
3) Gas (A3+B1)	38.102	416.626	2) TPCL	34.793	359.465
4) Wind (B2)	4.407	122.699	3) REL	17.603	182.378
TOTAL STATE	202.190	2174.394	TOTAL STATE	279.698	2947.399

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	4751	4816	4326
MSGENCO Hydro	170	679	64
MSGENCO Gas	614	627	641
MSGENCO Total Generation	5535	6122	5031
Central Sector Receipt	3416	3281	2848
RGPPL	960	961	958
WIND	217	209	241
Exchange with TPCL	-494	-363	-8
MSEDCL DEMAND MET	9634	10260	9070
Load Shedding	1266	2411	124
MSEDCL DEMAND (INCL. LS)	10900	12671	9194
TPCL GENERATION	1408	1675	971
REL GENERATION	526	525	528
TPCL+REL DEMAND	2428	2563	1507
STATE DEMAND MET	12062	12823	10577
STATE DEMAND (INCL. LS)	13328	15234	10701
Frequency (Hz)	50.02	49.93	49.94
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2535MW at 19.00Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			30.54 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.41 Hz at 08.03 Hrs	49.19 Hz at 06:23 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 11/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	1.52	10.88	71	44	55
Unit 3	1.63	7.67	76	52	55
Unit 4	1.43	14.21	76	34	50
Unit 5	2.76	15.38	148	73	115
Unit 6	2.96	31.47	158	70	75
Unit 7	0.00	22.72	0	0	0
	10.30	102.33			350
Bhusawal					
Unit 1	1.12	9.63	54	31	40
Unit 2	0.00	5.17	0	0	0
Unit 3	4.18	45.86	188	152	185
	5.30	60.66			225
Parli					
Unit 1	0.61	6.42	26	24	20
Unit 2	0.60	6.38	26	23	20
Unit 3	3.95	39.49	176	131	160
Unit 4	3.84	30.96	200	127	150
Unit 5	4.00	43.04	180	144	160
Unit 6	3.40	45.67	204	98	100
	16.39	171.94			610
Chandrapur					
Unit 1	3.71	37.97	169	130	160
Unit 2	0.00	13.65	0	0	0
Unit 3	3.96	34.09	200	128	175
Unit 4	4.69	46.72	206	150	200
Unit 5	8.67	81.35	418	324	400
Unit 6	8.16	75.87	363	311	350
Unit 7	9.05	78.74	414	308	375
	38.23	368.39			1660
Paras					
Unit 2	0.42	6.04	19	16	45
Unit 3	4.70	37.55	218	174	165
	5.12	43.59			210
Khaparkheda					
Unit 1	4.82	50.90	209	184	200
Unit 2	4.62	48.61	196	187	190
Unit 3	5.12	53.11	216	211	210
Unit 4	4.91	52.96	215	187	210
	19.47	205.59			810
Nasik					
Unit 1	0.00	0.00	0	0	0
Unit 2	2.00	22.56	96	69	85
Unit 3	4.74	36.39	207	180	190
Unit 4	4.64	49.91	200	189	200
Unit 5	4.29	47.03	194	157	180
	15.67	155.89			655
Uran					
All Units	15.08	164.38	645	612	630
	15.08	164.38			630
Koyna					
Stage 1-2	1.01	13.14	95	30	600
Stage 4	0.77	5.46	294	0	250
Kovna 12&4 Total	1.78	18.60			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.37	9.41	142	0	240
	2.15	28.00			1090
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.52	0	0	0
TILLARI	0.51	5.37	60	0	60
BHTGR/VEER	0.48	4.62	20	20	20
BHIRA T.R.	0.37	3.96	42	0	80
RNGR+BHTSA	0.15	1.14	19	4	14
BHANDARDRA	0.00	0.20	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	0.63	10	0	10
GHATGHAR	0.07	2.67	60	0	0
	1.64	19.12			184
PENCH (MS)					
Pench (MS)	0.24	1.87	53	0	
	0.24	1.87			
Wind					
MalharPeth	0.08	4.72			
Vankuswadi	0.22	10.13			
ATIT	0.04	2.07			
Kale	0.02	1.04			
Satara	0.07	4.90			
Shirala	0.08	3.17			
K Mahankal	0.02	5.25			
Supa	0.02	1.30			
Vita	0.59	17.25			
Dondaicha	2.25	47.53			
Sakri	0.49	8.07			
Nandurbar	0.31	6.02			
Khadakale	0.06	4.70			
Khaparale	0.15	6.55			
	4.41	122.70			
Dabhol					
RGPP L II	23.02	252.24	961	958	900
RGPP L III	0.00	0.00	0	0	
	23.02	252.24			900
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	12.12	124.50	505	505	500
Trombay 6	11.01	114.80	510	250	500
Trombay 7A	2.69	24.57	125	106	100
Trombay 7B	0.43	0.43	68	0	0
Trombay 8	2.66	40.36	120	106	220
TATA Hydro	3.62	33.86	352	0	447
	32.53	338.52			1767
REL					
1&2	12.64	139.17	529	525	500
	12.64	139.17			500
Cent Sect					
Share					3290
					3290

MS PG CL	Thermal	110.48	1108.40		4520
	Thml+Gas	125.56	1272.79		5150
	Hydro	3.79	47.12		1274
	Total	129.34	1319.91		6424
State Total		202.19	2174.39		12881

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 11/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	4293	69	634	4996	960	289	2967	2900	-64	-17	9128	843	9971	1775	11746	49.94
2	4257	64	640	4961	960	255	2971	2987	-64	-9	9154	799	9953	1616	11569	49.94
3	4333	69	645	5047	958	244	2971	2878	-64	-6	9121	684	9805	1551	11356	50.09
4	4326	64	641	5031	958	241	2971	2848	-64	-8	9070	124	9194	1507	10701	49.94
5	4386	79	641	5106	960	253	2971	3035	-64	-7	9347	0	9347	1505	10852	49.85
6	4451	64	638	5153	961	245	2971	3380	-64	-12	9727	201	9928	1582	11510	49.74
7	4519	119	634	5272	960	244	2917	3261	-64	-13	9724	917	10641	1691	12332	49.69
8	4649	62	640	5351	959	312	2924	3128	-64	-16	9734	1004	10738	1819	12557	49.83
9	4703	157	644	5504	959	222	3044	3142	-79	-129	9698	1106	10804	2073	12877	50.16
10	4751	170	614	5535	960	217	3305	3416	-528	-494	9634	1266	10900	2428	13328	50.02
11	4719	169	615	5503	960	86	3367	3213	-599	-567	9195	1385	10580	2637	13217	49.97
12	4681	164	612	5457	959	116	3352	3026	-599	-565	8993	1512	10505	2673	13178	49.85
13	4654	100	617	5371	958	133	3356	3257	-599	-586	9133	1493	10626	2646	13272	49.94
14	4675	62	620	5357	959	116	3367	3290	-599	-587	9135	1430	10565	2549	13114	50.09
15	4661	59	624	5344	958	106	3367	3218	-599	-584	9042	1499	10541	2588	13129	49.83
16	4628	64	612	5304	958	152	3350	3343	-599	-582	9175	1415	10590	2618	13208	49.90
17	4649	74	618	5341	960	115	3382	3411	-613	-599	9228	1425	10653	2639	13292	49.96
18	4686	165	622	5473	959	142	3276	3425	-529	-507	9492	1422	10914	2548	13462	49.98
19	4740	462	620	5822	959	156	3062	3248	-392	-367	9818	2045	11863	2506	14369	49.87
20	4816	679	627	6122	961	209	3292	3281	-392	-363	10260	2411	12671	2563	15234	49.93
21	4782	449	625	5856	961	178	3282	3517	-392	-331	10234	2259	12493	2438	14931	50.07
22	4816	207	627	5650	959	140	3282	3485	-392	-330	9957	2221	12178	2266	14444	50.07
23	4731	155	630	5516	959	122	3250	3498	-375	-313	9835	1218	11053	2156	13209	50.04
24	4572	64	637	5273	960	114	2996	3323	-297	-229	9468	821	10289	2024	12313	50.07
MUs	110.48	3.79	15.08	129.34	23.02	4.41	75.99	77.51	-8.10	-7.22	227.30	29.50	256.80	52.40	309.20	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 11/Sep/2009

Position as on 6.30 Hrs of 12/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	11/09/2009	16.46	GT.Bucholz Operated.	
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	12/09/2009
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 7	210	08/09/2009	15.10		Continued.	Coal bunkering problem.	
Koyna Unit 6	75	11/09/2009	07.05		Continued.	Attending injector problem	
Cent_Sect NTPC(V-2)	210	11/09/2009	23.00	12/09/2009	19:17	Boiler Tube Leakage	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 11/Sep/2009

Position as on 6.30 Hrs of 12/Sep/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised 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	10/09/2009	14.28	11/09/2009	09.24	H/T for O/V
Kolhapur-Mapusa-II	10/09/2009	22.49	11/09/2009	10.35	H/T for O/V
Kolhapur-Mapusa Ckt I	11/09/2009	22.32	12/09/2009	08:14	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 : 400KV			Outage Type PLANNED OUTAGE		
Dabhol - Nagothane - I	11/09/2009	09.12	11/09/2009	17.20	To attend Hot Spot
400/220 KV,600 MVA ICT-I @ Kalwa	11/09/2009	09.13	11/09/2009	19.06	SMS work
Main Bus-I at Aurangabad	11/09/2009	10.41	11/09/2009	18.14	PGCIL Work
Padgha-Kharghar	11/09/2009	10.58	11/09/2009	14.33	To attend Hot Spot
400/220KV,315MVA ICT-II at Kharghar	12/09/2009	09:26	12/09/2009	17:42	On TBC to attained Hot Spot on 29A,29B Isolator.
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.
Pirangut-Hinjewadi	10/09/2009	08.25		Continued.	Erection of New Tower
Main Bus II at Versova	11/09/2009	06.37	11/09/2009	07.57	Jumpering work
Bhigwan-Kalyani	11/09/2009	08.10	11/09/2009	17.33	Insulator replacement
Trombay - Tifil	11/09/2009	09.41	11/09/2009	16.54	To attend Hot Spot
220/66KV 150MVA ICT-II at Gadchandur	11/09/2009	10.30	11/09/2009	18.57	Repl.of 66KV High Level Twin Bus Bar
Padegaon - Sawangi	11/09/2009	10.35	11/09/2009	16.10	Bay Maint.Work
Wada-Kolshet	11/09/2009	10.55	11/09/2009	19.56	CT replacement
New Paras TPS - Chikhali - I	11/09/2009	12.10	11/09/2009	15.27	C.C. Jumpering work
New Paras TPS - Chikhali - II	11/09/2009	15.30	11/09/2009	18.16	C.C.Jumpering work
220/132,100 MVA ICT - I @ A'Nagar	12/09/2009	09:39	12/09/2009	22:00	Q.M. Retrofitting Work.
Kalwa I-Kalwa II Inter connector	12/09/2009	09:49	12/09/2009	21:55	SMS Work, Tand Measurment.
Nasik-Bablsr Ckt II	12/09/2009	10:39	12/09/2009	18:08	Q.M. Work.
Uran-ONGC	12/09/2009	11:03	12/09/2009	20:39	Testing Work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Paras - Akot	10/09/2009	09.40	11/09/2009	20.15	Replacement of CT
Ambazari - Hingna - I	11/09/2009	10.35	11/09/2009	16.50	Retrofitting work
Deepnagar - Pachora	12/09/2009	09:25	12/09/2009	19:06	For stringing of 400 KV D/C Deep

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 11/Sep/2009

Position as on 6.30 Hrs of 12/Sep/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
					Nagar-Waduj line.
Pahur - Pachora	12/09/2009	09:30	12/09/2009	19:02	For Stringing of 400 KV D/C Deep Nagar - Waduj line.
OZAR - DANDORI	12/09/2009	10:20	12/09/2009	12:15	LA Repl. at Ozar.
Boisar(MIDC)-Dahanu - I	12/09/2009	11:20	12/09/2009	14:50	Insulator repl.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
New koyna B.C. Breaker	12/09/2009	11:28	12/09/2009	12:02	SF-6 Gas Filling.
Lonikand-Khadki	12/09/2009	17:55	12/09/2009	20:17	To attained flash over on loc.34.
Voltage Level : 500KV			Outage Type HAND TRIPPED		
HVDC Pole II Padgha	11/09/2009	18.14	11/09/2009	23.26	Y phase OLTC Neutral Bushing replacement
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha-Badnera	09/09/2009	16:12		Continued.	H/T for Akola ICT loading.
Voltage Level : 400KV			Outage Type TRIPPED		
Bablswr-Padgha Ckt I	11/09/2009	13.05	11/09/2009	18.49	Distance Protection
Bablswr-Padgha Ckt I	12/09/2009	11:43	12/09/2009	20:48	Tripped on Dist. Prot.
Voltage Level : 220KV			Outage Type TRIPPED		
Butibori - Wardha	11/09/2009	11.01	11/09/2009	11.15	Distance Protection
New Koyna - Pawas	11/09/2009	11.20	11/09/2009	12.25	Tripped Backup O/C, E/F
N.Koyna-Phinolex	11/09/2009	11.58	11/09/2009	12.12	Distance Protection
Lonikand-Khadki	11/09/2009	14.11	11/09/2009	14.25	Tripped at Lonikand end
Century Enka - Bhosari	11/09/2009	14.11	11/09/2009	14.48	Tripped at Bhosari end
Kalwa-Nasik III	11/09/2009	16.58	11/09/2009	18.03	Distance Protection
Bblswr-Anagar Ckt.II	12/09/2009	13:28	12/09/2009	13:51	Dist. Prot.,RE,Z1.
Lonikand-Khadki	12/09/2009	15:21	12/09/2009	15:32	Dist.Prot.,BE.
Century Enka - Bhosari	12/09/2009	15:21	12/09/2009	16:42	Tripped.
Century Enka - Khadki	12/09/2009	19:10	12/09/2009	20:50	Tripped.
Voltage Level : 132KV			Outage Type TRIPPED		
Chalisgaon - Kannad	11/09/2009	14.59	12/09/2009	12.54	Distance Protection
Voltage Level : 100KV			Outage Type TRIPPED		
Padgha - Murbad - II	12/09/2009	18:25	12/09/2009	19:22	Tripped on Dist.Prot.Z1.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 12/Sep/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	60
Unit 3	105	70
Unit 4	105	70
Unit 5	200	130
Unit 6	210	140
Unit 7	210	0
	1040	470
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	170
Unit 4	210	155
Unit 5	210	175
Unit 6	250	220
	940	760
Chandrapur		
Unit 1	210	160
Unit 2	210	0
Unit 3	210	175
Unit 4	210	210
Unit 5	500	400
Unit 6	500	350
Unit 7	500	375
	2340	1670
Paras		
Unit 2	55	40
Unit 3	250	180
	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	94
Unit 3	210	198
Unit 4	210	191
Unit 5	210	174
	870	657
Uran		
All Units	852	620
	852	620
Koyna		
Stage 1-2	600	525
Stage 4	1000	250
Stage 3	320	240
	1920	1015
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	14
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	184
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	100
Trombay 8	250	100
TATA Hydro	444	447
	2024	1747
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3240
	3143	3240