



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

State Load Dispatch Center, Airoli

Daily system Report

for

27/Sep/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 27/Sep/2009 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	114.335	2936.871	1) Madhya Pradesh	59.232	1444.518
2) Hydro	13.473	223.934	2) Gujrat	14.572	526.137
3) Gas	14.340	395.728	3) Goa	-5.390	-156.560
Total MSGENCO	142.148	3556.533	4) TAPS 1&2 (Inj.)	7.224	195.666
B) OTHERS			5) Pench (Excess)	-0.981	-11.271
1) RGPPL Gas	22.789	609.351	# Total Cent. Sector	74.657	1998.490
2) Wind Generation	7.860	191.841	F) Other Exchanges		
3) PENCH (MS)	0.981	18.766	1) With TPCL	-3.477	-179.916
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	28.207	762.160	1) MSEDCL Bilateral	4.889	143.894
2) TPCL Hydro	1.976	85.850	Include PX	0.000	2.941
TOTAL TPCL	30.183	848.010	2) MUMBAI Bilateral	4.499	196.798
3) REL Thermal	12.526	340.333	Include PX	0.179	14.626
D) STATE			3) MUMBAI Schedule	4.499	201.173
1) Thermal (A1+C1+C3)	155.068	4039.364	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	16.430	328.550	1) MSEDCL	244.958	6195.065
3) Gas (A3+B1)	37.129	1005.079	2) TPCL	30.043	902.569
4) Wind (B2)	7.860	191.841	3) REL	16.142	465.607
TOTAL STATE	216.487	5564.834	TOTAL STATE	291.143	7563.241

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	4916	4651	4749
MSGENCO Hydro	249	1024	156
MSGENCO Gas	598	617	600
MSGENCO Total Generation	5763	6292	5505
Central Sector Receipt	2987	3952	2703
RGPPL	948	957	948
WIND	323	291	447
Exchange with TPCL	-98	-247	-19
MSEDCL DEMAND MET	9976	11298	9637
Load Shedding	3494	2978	1749
MSEDCL DEMAND (INCL. LS)	13470	14276	11386
TPCL GENERATION	1270	1470	1094
REL GENERATION	526	520	522
TPCL+REL DEMAND	1894	2237	1635
STATE DEMAND MET	11870	13535	11272
STATE DEMAND (INCL. LS)	15364	16513	13021
Frequency (Hz)	49.30	49.85	48.94
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3915 MW AT 14.00 HRS
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			71.34 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.36 Hz at 16.06 Hrs	48.73 Hz at 03.35 Hrs	49.35	18.82 % 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 27/Sep/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.65	8.43	78	56	70
Unit 2	1.56	36.29	70	58	70
Unit 3	1.66	34.38	76	62	70
Unit 4	1.71	38.76	76	66	75
Unit 5	3.14	59.04	144	125	140
Unit 6	3.55	83.52	167	124	140
Unit 7	4.04	70.27	189	134	140
	17.32	330.70			705
Bhusawal					
Unit 1	0.89	27.28	56	0	50
Unit 2	0.00	5.17	0	0	0
Unit 3	3.36	113.00	198	0	190
	4.25	145.44			240
Parli					
Unit 1	0.59	15.60	27	22	20
Unit 2	0.58	14.17	25	22	20
Unit 3	3.57	101.40	172	117	170
Unit 4	0.00	81.26	0	0	0
Unit 5	4.14	106.14	180	166	170
Unit 6	5.40	121.24	240	204	220
	14.27	439.80			600
Chandrapur					
Unit 1	3.81	97.43	164	158	170
Unit 2	0.00	13.65	0	0	0
Unit 3	3.62	92.09	196	118	200
Unit 4	3.86	119.87	198	0	200
Unit 5	10.09	232.88	451	399	450
Unit 6	9.57	221.74	436	345	425
Unit 7	8.36	228.50	423	285	400
	39.31	1006.16			1845
Paras					
Unit 2	0.46	11.82	21	17	30
Unit 3	5.00	115.70	216	199	200
	5.47	127.52			230
Khaparkheda					
Unit 1	4.22	124.58	191	150	180
Unit 2	4.41	118.20	197	165	170
Unit 3	3.94	116.25	196	145	150
Unit 4	4.44	131.07	213	164	175
	17.00	490.09			675
Nasik					
Unit 1	1.48	1.59	76	47	50
Unit 2	1.71	54.38	93	56	75
Unit 3	4.68	109.65	207	172	185
Unit 4	4.53	122.14	196	174	185
Unit 5	4.31	109.40	200	170	160
	16.71	397.16			655
Uran					
All Units	14.34	395.73	621	561	590
	14.34	395.73			590
Koyna					
Stage 1-2	2.74	51.64	420	25	600
Stage 4	7.02	91.78	842	0	250
Koyna 12&4 Total	9.76	143.42			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	2.53	38.70	320	0	320
	12.29	182.13			1170
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.74	0	0	0
TILLARI	0.38	11.05	60	0	60
BHTGR/VEER	0.06	8.60	3	2	14
BHIRA T.R.	0.29	9.28	42	0	40
RNGR+BHTSA	0.30	3.68	14	0	4
BHANDARDRA	0.00	0.35	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.00	1.19	0	0	0
GHATGHAR	0.15	6.91	125	0	0
	1.18	41.81			118
PENCH (MS)					
Pench (MS)	0.98	18.77	54	0	
	0.98	18.77			
Wind					
MalharPeth	0.18	6.40			
Vankuswadi	0.36	14.62			
ATIT	0.05	3.17			
Kale	0.04	1.42			
Satara	0.12	6.80			
Shirala	0.18	4.57			
K Mahankal	0.53	7.46			
Supa	0.17	2.66			
Vita	0.69	26.80			
Dondaicha	3.45	76.82			
Sakri	0.54	12.64			
Nandurbar	0.45	10.85			
Khadakale	0.74	8.67			
Khaparale	0.39	8.96			
	7.86	191.84			
Dabhol					
RGPP L II	22.79	609.35	959	932	900
RGPP L III	0.00	0.00	0	0	
	22.79	609.35			900
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	12.12	302.72	505	505	500
Trombay 6	11.96	290.82	510	420	500
Trombay 7A	2.54	62.15	121	98	80
Trombay 7B	1.51	23.68	68	60	100
Trombay 8	0.08	82.79	77	0	0
TATA Hydro	1.98	85.85	268	0	447
	30.18	848.01			1627
REL					
1&2	12.53	340.33	526	519	500
	12.53	340.33			500
Cent Sect					
Share					3032
					3032

MS PG CL	Thermal	114.34	2936.87		4950
	Thml+Gas	128.68	3332.60		5540
	Hydro	13.47	223.93		1288
	Total	142.15	3556.53		6828
State Total		216.49	5564.83		12887

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 27/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	4684	1325	594	6603	950	276	2843	2833	-179	-147	10568	1753	12321	1966	14287	49.01
2	4622	1087	600	6309	953	334	2686	2687	-58	-23	10313	1805	12118	1793	13911	49.01
3	4647	588	594	5829	950	433	2700	2737	-58	-21	9982	1607	11589	1718	13307	48.95
4	4749	156	600	5505	948	447	2728	2703	-58	-19	9637	1749	11386	1635	13021	48.94
5	4794	66	600	5460	947	454	2750	2771	-58	-17	9668	1882	11550	1622	13172	48.94
6	4831	201	601	5633	949	456	2751	2918	-58	-19	9991	2094	12085	1665	13750	48.94
7	4831	151	621	5603	959	345	2657	2737	-57	-13	9684	3039	12723	1692	14415	49.41
8	4897	201	578	5676	958	345	2668	2918	-57	-26	9924	3361	13285	1693	14978	49.34
9	4946	77	570	5593	952	252	2666	2700	-57	-20	9531	3631	13162	1746	14908	49.20
10	4916	249	598	5763	948	323	2679	2987	-139	-98	9976	3494	13470	1894	15364	49.30
11	4851	564	584	5999	938	248	2760	2942	-236	-197	9983	2965	12948	1998	14946	49.21
12	4835	1113	581	6529	937	239	2803	2979	-280	-239	10499	2671	13170	2080	15250	49.21
13	4836	1216	561	6613	933	239	2810	2794	-281	-243	10389	2574	12963	2038	15001	49.14
14	4736	1283	569	6588	932	243	2768	2934	-237	-193	10557	2709	13266	1989	15255	49.15
15	4769	873	579	6221	938	259	2788	2977	-237	-186	10263	2845	13108	2003	15111	49.34
16	4808	192	606	5606	954	375	2796	3291	-237	-198	10081	3089	13170	1988	15158	49.82
17	4837	66	611	5514	955	421	2764	3288	-204	-156	10049	2748	12797	1944	14741	49.93
18	4778	76	610	5464	953	356	2779	3476	-202	-157	10102	2442	12544	1905	14449	49.81
19	4635	782	612	6029	956	338	2881	3308	-249	-210	10449	2779	13228	2042	15270	49.74
20	4651	1024	617	6292	957	291	3208	3952	-306	-247	11298	2978	14276	2237	16513	49.85
21	4630	756	617	6003	957	306	3238	3803	-310	-263	10816	2711	13527	2214	15741	49.77
22	4658	514	617	5789	956	276	3234	3682	-293	-243	10460	2732	13192	2173	15365	49.67
23	4713	461	612	5786	955	287	3286	3543	-343	-293	10278	2610	12888	2115	15003	49.47
24	4696	452	605	5753	954	308	3231	3231	-299	-249	9997	1916	11913	2036	13949	49.33
MUs	114.35	13.47	14.34	142.16	22.79	7.85	68.47	74.19	-4.50	-3.48	244.50	62.18	306.68	46.19	352.86	49.35

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 27/Sep/2009

Position as on 6.30 Hrs of 28/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
Bhusawal Unit 2	210	02/09/2009	10.08		Continued.	Annual Overhaul.	07/10/2009
Chandrapur Unit 2	210	05/09/2009	23:46		Continued.	AOH.	05/10/2009
Cent_Sect Gandhar U3	144	14/09/2009	09.30		Continued.	A.O.H.	30/09/2009
Cent_Sect Gandhar U4	224	17/09/2009	00.11		Continued.	A O H.	25/09/2009
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	
Parli Unit 4	210	24/09/2009	15.40		Continued.	Boiler Tube Leakage	28/09/2009
Cent_Sect NTPC(V-3)	210	25/09/2009	23.00	27/09/2009	02.10	Boiler problem.	
Cent_Sect NTPC(V-8)	500	26/09/2009	15.44		Continued.	BLR T/L.	29/09/2009
Chandrapur Unit 4	210	26/09/2009	20.57	27/09/2009	02.51	Tripped on 50V Annunciation panel short Ckt.	
Tata Trombay 8	250	27/09/2009	00.49		Continued.	Boiler Tube Leakage	28/09/2009
Koyna ST-IV 2	250	27/09/2009	11.14	27/09/2009	12.02	Spiral Casing Pressure Set up Problem.	
Koyna ST - IV 3	250	27/09/2009	11.15	27/09/2009	19.10	Spherical Valve Oil Temp.High.	
Bhusawal Unit 1	58	27/09/2009	17.36	28/09/2009	05.45	Auxillary Supply Failure.	
Bhusawal Unit 3	210	27/09/2009	17.36	27/09/2009	23.49	Auxillary Supply Failure	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 27/Sep/2009

Position as on 6.30 Hrs of 28/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
Kolhapur-Mapusa-II	27/09/2009	12.33		Continued.	Hand Tripped for Over Voltage.
IntraState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
220/100 KV,125 MVA ICT-III at Trombay S/S.	31/08/2009	09.32		Continued.	Replacement of Relay Panels & Control Panels.
220/33 KV,100 MVA ICT-I At Versova	27/09/2009	00.45	27/09/2009	05.59	Disconnection of cable
K'gaon-Lonand	27/09/2009	07.05	27/09/2009	18.50	Earthwire Replacement Work.
KALWA-SALSETE-IV	27/09/2009	08.33	27/09/2009	14.14	SMS Work & C T Tan Delta Measurment.
LONIKHAND-BHOSARI	27/09/2009	12.00	27/09/2009	15.02	Relay Retrofitting Work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
132/7 KV Station T/F - II at Deepnagar	25/09/2009	09:53		Continued.	Oil filtration work.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kalwa-Mukund I	27/09/2009	13.06	27/09/2009	16.45	Jumper Replacement Work.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Bus-Coupler at Lonikand	27/09/2009	00.12	27/09/2009	03.33	To attend Hot Spot.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha-Badnera	19/09/2009	01:03		Continued.	H/T to increase load on Akola ICT.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Chikhali - Khamgaon	24/09/2009	16.42		Continued.	H/T to control Chikhali ICT loading
Pardi-Uppalwadi	24/09/2009	16.58		Continued.	H/T to control Ambazari-Mankapur loading
132 Interconnector - II @ Bhusawal	27/09/2009	17.36	27/09/2009	21.32	Hand Tripped as a Precautionary Measure.
Jalgaon-Bhusawal I	27/09/2009	17.36	27/09/2009	18.15	Hand Tripped as a Precautionary Measure.
Jalgaon-Bhusawal II	27/09/2009	17.36	27/09/2009	18.15	Hand Tripped as a Precautionary Measure.
Pahur - Pachora	27/09/2009	19.00	28/09/2009	00.31	Hand Tripped for Controlling Line Loading.
Bhusawal - Pachora	27/09/2009	19.00	28/09/2009	00.47	Hand Tripped for Controlling Line Loading.
Voltage Level : 400KV			Outage Type TRIPPED		
Jejuri-Koyna STG-IV	27/09/2009	16.45	27/09/2009	17.29	Tripped on Distance Protection.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV, 100 MVA ICT - II @ Beed.	24/09/2009	03:05	27/09/2009	18.50	Tripped on internal fault.
Tifil-Trombay	27/09/2009	15.59	27/09/2009	16.55	Tripped on Distance Protection.
Butibori - Sun Vijay	28/09/2009	05.23		Continued.	Y Ph Jumper Open.
Voltage Level : 132KV			Outage Type TRIPPED		
132/33 KV 25 MVA T/F - I @ Bhusawal	27/09/2009	17.36		Continued.	Transformer Caught Fire.
132 / 7 KV 31.5 MVA	27/09/2009	17.36	27/09/2009	17.50	Tripped.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 27/Sep/2009

Position as on 6.30 Hrs of 28/Sep/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Station T/F - I @ Bhusawal					
132/11KV 16 MVA T/F at Bhusawal	27/09/2009	17.36		Continued.	Cable Fault
132/33 KV 25 MVA T/F - II @ Bhusawal	27/09/2009	17.36		Continued.	Control Cable Burnt.
132 KV Interconnector - I @ Bhusawal	27/09/2009	23.05	28/09/2009	00.18	Tripped

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 28/Sep/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	50
Unit 3	105	65
Unit 4	105	50
Unit 5	200	135
Unit 6	210	150
Unit 7	210	150
	1040	670
Bhusawal		
Unit 1	58	50
Unit 2	210	0
Unit 3	210	190
	478	240
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	170
Unit 4	210	0
Unit 5	210	170
Unit 6	250	220
	940	600
Chandrapur		
Unit 1	210	170
Unit 2	210	0
Unit 3	210	175
Unit 4	210	200
Unit 5	500	450
Unit 6	500	425
Unit 7	500	425
	2340	1845
Paras		
Unit 2	55	40
Unit 3	250	200
	305	240
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	160
Unit 4	210	210
	840	730
Nasik		
Unit 1	120	90
Unit 2	120	90
Unit 3	210	195
Unit 4	210	200
Unit 5	210	190
	870	765
Uran		
All Units	852	550
	852	550
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	0
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	16
BHIRA T.R.	80	40
RNGR+BHTSA	20	2
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	118
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	900
RGPL III	740	
	1700	900
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3088
	3143	3088