



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

State Load Dispatch Center, Airoli

Daily system Report

for

14/Sep/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 14/Sep/2009 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	117.866	1452.146	1) Madhya Pradesh	48.350	732.295
2) Hydro	8.561	65.462	2) Gujrat	23.445	247.214
3) Gas	14.532	208.134	3) Goa	-6.298	-79.034
Total MSGENCO	140.959	1725.742	4) TAPS 1&2 (Inj.)	7.256	101.750
B) OTHERS			5) Pench (Excess)	0.039	-2.566
1) RGPPL Gas	23.043	321.303	# Total Cent. Sector	72.792	999.659
2) Wind Generation	3.891	130.569	F) Other Exchanges		
3) PENCH (MS)	0.768	4.055	1) With TPCL	-8.499	-84.964
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	27.938	385.060	1) MSEDCL Bilateral	5.179	72.740
2) TPCL Hydro	3.307	40.050	Include PX	0.000	2.941
TOTAL TPCL	31.245	425.110	2) MUMBAI Bilateral	8.986	95.823
3) REL Thermal	12.583	176.974	Include PX	0.095	0.233
D) STATE			3) MUMBAI Schedule	8.986	97.648
1) Thermal (A1+C1+C3)	158.387	2014.180	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	12.636	109.567	1) MSEDCL	232.954	3096.364
3) Gas (A3+B1)	37.575	529.437	2) TPCL	34.381	454.295
4) Wind (B2)	3.891	130.569	3) REL	17.943	232.678
TOTAL STATE	212.489	2783.753	TOTAL STATE	285.278	3783.337

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	4656	5034	4909
MSGENCO Hydro	158	1410	41
MSGENCO Gas	599	604	606
MSGENCO Total Generation	5413	7048	5556
Central Sector Receipt	3604	3156	2584
RGPPL	955	963	962
WIND	85	183	160
Exchange with TPCL	-610	-411	-70
MSEDCL DEMAND MET	9474	10981	9219
Load Shedding	1912	1723	0
MSEDCL DEMAND (INCL. LS)	11386	12704	9219
TPCL GENERATION	1551	1628	900
REL GENERATION	524	523	525
TPCL+REL DEMAND	2685	2562	1495
STATE DEMAND MET	12159	13543	10714
STATE DEMAND (INCL. LS)	14071	15266	10714
Frequency (Hz)	49.55	49.58	49.92
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2335 MW AT 20.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			28.38 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.26 Hz at 08.04 Hrs	48.81 Hz at 19.09 Hrs	49.76	.69 % 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 14/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	1.45	15.68	74	42	70
Unit 3	1.61	12.51	76	36	70
Unit 4	1.62	19.20	77	36	70
Unit 5	3.34	25.20	154	120	150
Unit 6	3.50	41.71	155	140	140
Unit 7	1.35	24.06	150	0	0
	12.87	138.37			500
Bhusawal					
Unit 1	1.14	12.30	53	37	45
Unit 2	0.00	5.17	0	0	0
Unit 3	4.24	57.92	196	158	150
	5.38	75.40			195
Parli					
Unit 1	0.55	8.10	24	20	20
Unit 2	0.58	8.14	26	22	20
Unit 3	3.93	51.58	170	139	170
Unit 4	4.22	43.19	195	149	170
Unit 5	3.96	55.19	175	155	170
Unit 6	5.02	59.97	231	173	220
	18.26	226.18			770
Chandrapur					
Unit 1	3.86	49.20	165	152	160
Unit 2	0.00	13.65	0	0	0
Unit 3	3.74	46.06	168	144	150
Unit 4	4.86	61.01	205	184	210
Unit 5	9.93	109.41	450	370	400
Unit 6	9.33	102.69	410	356	400
Unit 7	10.06	107.24	443	371	425
	41.79	489.26			1745
Paras					
Unit 2	0.87	7.13	42	30	40
Unit 3	4.90	51.99	217	176	200
	5.77	59.13			240
Khaparkheda					
Unit 1	3.72	63.95	208	0	200
Unit 2	4.43	62.03	194	156	190
Unit 3	4.68	67.28	205	186	210
Unit 4	4.95	67.49	213	195	210
	17.77	260.74			810
Nasik					
Unit 1	0.00	0.00	0	0	0
Unit 2	2.18	28.88	99	85	85
Unit 3	4.78	50.56	207	186	200
Unit 4	4.59	63.64	200	180	190
Unit 5	4.48	60.00	196	170	180
	16.03	203.08			655
Uran					
All Units	14.53	208.13	632	560	600
	14.53	208.13			600
Koyna					
Stage 1-2	1.20	17.32	125	30	525
Stage 4	4.63	12.56	926	0	250
Koyna 12&4 Total	5.83	29.88			775

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	1.54	12.38	240	0	240
	7.37	42.26			1015
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.52	0	0	0
TILLARI	0.36	6.52	60	0	60
BHTGR/VEER	0.10	5.30	5	4	30
BHIRA T.R.	0.32	4.89	42	0	80
RNGR+BHTSA	0.04	1.34	2	2	4
BHANDARDRA	0.09	0.29	33	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	0.81	10	0	0
GHATGHAR	0.22	3.54	125	0	0
	1.19	23.20			174
PENCH (MS)					
Pench (MS)	0.77	4.06	53	26	
	0.77	4.06			
Wind					
MalharPeth	0.06	4.92			
Vankuswadi	0.20	10.75			
ATIT	0.03	2.16			
Kale	0.01	1.08			
Satara	0.02	5.18			
Shirala	0.03	3.33			
K Mahankal	0.21	5.71			
Supa	0.11	1.47			
Vita	0.40	18.46			
Dondaicha	1.87	50.56			
Sakri	0.25	8.52			
Nandurbar	0.32	6.58			
Khadakale	0.29	5.12			
Khaparale	0.09	6.72			
	3.89	130.57			
Dabhol					
RGPP L II	23.04	321.30	963	955	900
RGPP L III	0.00	0.00	0	0	
	23.04	321.30			900
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.02	153.74	460	450	500
Trombay 6	10.37	147.46	510	150	500
Trombay 7A	2.25	31.18	100	83	120
Trombay 7B	1.42	4.65	61	57	60
Trombay 8	2.88	48.03	125	115	120
TATA Hydro	3.31	40.05	378	1	447
	31.24	425.11			1747
REL					
1&2	12.58	176.97	526	522	500
	12.58	176.97			500
Cent Sect					
Share					3285
					3285

MS PG CL	Thermal	117.87	1452.15		4915
	Thml+Gas	132.40	1660.28		5515
	Hydro	8.56	65.46		1189
	Total	140.96	1725.74		6704
State Total		212.49	2783.75		13136

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 14/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	4929	41	560	5530	959	176	2635	2688	-96	-73	9314	457	9771	1755	11526	49.70
2	4950	41	567	5558	961	164	2704	2564	-96	-83	9191	443	9634	1588	11222	49.89
3	4909	41	606	5556	962	160	2847	2584	-96	-70	9219	0	9219	1495	10714	49.92
4	4897	61	606	5564	961	181	2974	2937	-96	-74	9596	0	9596	1470	11066	50.00
5	4813	51	583	5447	959	179	3001	2784	-96	-74	9322	0	9322	1479	10801	49.90
6	4852	41	587	5480	961	234	3005	2985	-96	-81	9606	704	10310	1594	11904	49.83
7	4902	41	624	5567	960	200	2993	2532	-96	-75	9211	1336	10547	1655	12202	49.96
8	4796	41	627	5464	959	136	3052	2906	-96	-81	9411	1128	10539	1799	12338	49.90
9	4691	68	631	5390	959	139	3214	3268	-206	-191	9592	1211	10803	2019	12822	49.80
10	4684	100	622	5406	958	114	3518	3532	-560	-546	9491	1462	10953	2504	13457	49.72
11	4764	152	624	5540	957	82	3554	3550	-631	-616	9540	1729	11269	2624	13893	49.80
12	4656	158	599	5413	955	85	3511	3604	-631	-610	9474	1912	11386	2685	14071	49.55
13	4743	86	606	5435	958	78	3521	3608	-631	-636	9469	2006	11475	2619	14094	49.74
14	4862	46	585	5493	959	95	3565	3417	-631	-596	9394	1981	11375	2630	14005	49.72
15	5059	99	584	5742	960	155	3564	3022	-631	-636	9269	1861	11130	2658	13788	49.82
16	5071	408	608	6087	961	172	3574	2705	-641	-635	9317	1914	11231	2652	13883	49.84
17	5098	356	614	6068	960	236	3591	2804	-658	-651	9443	1676	11119	2651	13770	49.92
18	5086	504	605	6195	960	197	3475	3149	-567	-555	9973	1490	11463	2525	13988	49.68
19	5068	868	600	6536	961	169	3272	3147	-430	-410	10433	1789	12222	2481	14703	49.54
20	5034	1410	604	7048	963	183	3360	3156	-430	-411	10981	1723	12704	2562	15266	49.58
21	5019	1344	621	6984	963	124	3362	3181	-430	-394	10911	1561	12472	2432	14904	49.78
22	4995	1083	615	6693	962	177	3354	2992	-421	-376	10499	1532	12031	2292	14323	49.46
23	4980	945	619	6544	962	259	3329	2896	-396	-354	10358	1139	11497	2141	13638	49.45
24	4864	577	632	6073	963	196	3059	2851	-320	-271	9864	930	10794	2017	12811	49.71
MUs	117.72	8.56	14.53	140.81	23.04	3.89	78.03	72.86	-8.99	-8.50	232.88	29.98	262.86	52.33	315.19	49.76

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 14/Sep/2009

Position as on 6.30 Hrs of 15/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
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	18/09/2009
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	14/09/2009	05.24	A/OH	
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	14/09/2009	10.55	Coal bunkering problem.	
Koyna Unit 6	75	11/09/2009	07.05		Continued.	Attending injector problem	
Cent_Sect NTPC(K-4)	500	13/09/2009	14.53	14/09/2009	01.48	Bus Fault at Korba.	
Cent_Sect NTPC(K-5)	500	13/09/2009	14.53	14/09/2009	00.02	Bus Fault at Korba.	
Khaparkheda Unit 1	210	14/09/2009	07.12	14/09/2009	10.49	Drum Level High.	
Khaparkheda Unit 1	210	14/09/2009	11.08	14/09/2009	12.13	Drum Level High.	
Koyna ST-IV 2	250	14/09/2009	18.59	14/09/2009	19.30	Tripped.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 14/Sep/2009

Position as on 6.30 Hrs of 15/Sep/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Mudshingi-Ponda	13/09/2009	08.35		Continued.	Tower Errection Work.
Nasik-Navsari -II	14/09/2009	10.41	14/09/2009	19.17	Retrofitting of Distance Scheme & P T Replacement.
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.
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.
Chandrapur-Padaghe Pole - II	14/09/2009	14.51		Continued.	Annual Maintenance Work.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400 KV B.C.at Kalwa	14/09/2009	11.00	14/09/2009	13.38	SMS Work & Bay Maint.Work.
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
220/100 125 MVA ICT - II @ Trombay	13/09/2009	08.59	14/09/2009	19.03	Isolator Replacement Work.
Talangade - Mumewadi	13/09/2009	09.01		Continued.	Tower Errection Work.
220 KV Main Bus @ Amravati	14/09/2009	08.28	14/09/2009	20.03	220 KV Main Bus P T Replacement.
Kolhapur-Karad-IV	14/09/2009	08.35	14/09/2009	18.17	For Stringing Earth Wire.
Mudshingi-Wathar	14/09/2009	08.35	14/09/2009	18.10	For Stringing Earth Wire.
Butibori - Wardha	14/09/2009	10.35	14/09/2009	17.05	Retrofitting Work.
220/132kv,200 MVA ICT-II at Nagar.	14/09/2009	11.20	14/09/2009	19.28	For SMS Work.
Main Bus @ Dasturi	14/09/2009	13.11	14/09/2009	18.01	Replacement of Wave Trap Jumpers.
Momewadi -Halkarni	14/09/2009	14.45	14/09/2009	16.25	To Remove Jumpers.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Kolhapur CKT I	14/09/2009	00.56	14/09/2009	08.06	Hand Tripped for Over Voltage.
Karad-Kolhapur CKT II	15/09/2009	01.56		Continued.	Hand Tripped for Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha-Badnera	09/09/2009	16:12	14/09/2009	13.09	H/T for Akola ICT loading.
Voltage Level : 220KV			Outage Type TRIPPED		
New Paras TPS - Chikhali - I	13/09/2009	22.27	15/09/2009	00.22	Y ph C T Burst @ Chikhli.
Kandalgaon - Pophali	14/09/2009	11.20	14/09/2009	11.50	Distance Protection.
Bale - Lamboti I	14/09/2009	14.45	14/09/2009	14.55	Tripped,Bus Bar Protection Operated.
200MVA,220/132KV ICT at Bale	14/09/2009	14.45	14/09/2009	14.55	Tripped,Bus Bar Protection Operated.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 14/Sep/2009

Position as on 6.30 Hrs of 15/Sep/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
150MVA,220/132kv ICT at Bale	14/09/2009	14.45	14/09/2009	14.55	Tripped,Bus Bar Protection Operated.
Bale-Lamboti II	14/09/2009	14.45	14/09/2009	14.55	Tripped,Bus Bar Protection Operated.
100 MVA,220/132 KV ICT @ Bale	14/09/2009	14.45	14/09/2009	14.55	Tripped,Bus Bar Protection Operated.
Ghatghar-Nasik	14/09/2009	16.34	14/09/2009	17.32	Tripped,Distance Protection,R Ph to Earth.
220/132kv,200 MVA ICT-II at Nagar.	14/09/2009	19.38		Continued.	Y Ph C.T.Burst.
Bblswr-Anagar Ckt.II	15/09/2009	04.22	15/09/2009	04.57	Tripped,Distance Protection,R Ph to Earth,Zone-1.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 15/Sep/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	70
Unit 3	105	60
Unit 4	105	75
Unit 5	200	120
Unit 6	210	125
Unit 7	210	125
	1040	575
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	170
Unit 5	210	170
Unit 6	250	220
	940	770
Chandrapur		
Unit 1	210	160
Unit 2	210	0
Unit 3	210	210
Unit 4	210	210
Unit 5	500	450
Unit 6	500	425
Unit 7	500	450
	2340	1905
Paras		
Unit 2	55	40
Unit 3	250	190
	305	230
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	90
Unit 3	210	190
Unit 4	210	185
Unit 5	210	180
	870	645
Uran		
All Units	852	600
	852	600
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	8
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	178
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	
	1700	900
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	100
Trombay 7B	60	90
Trombay 8	250	100
TATA Hydro	444	447
	2024	1737
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3358
	3143	3358