



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

State Load Dispatch Center, Airoli

Daily system Report

for

07/Oct/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 07/Oct/2009 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	112.256	772.221	1) Madhya Pradesh	51.030	392.168
2) Hydro	2.846	41.750	2) Gujrat	14.454	85.557
3) Gas	14.963	97.283	3) Goa	-7.365	-46.045
Total MSGENCO	130.065	911.254	4) TAPS 1&2 (Inj.)	7.283	50.608
B) OTHERS			5) Pench (Excess)	-0.428	-1.483
1) RGPPL Gas	22.460	145.264	# Total Cent. Sector	64.974	480.805
2) Wind Generation	15.300	75.724	F) Other Exchanges		
3) PENCH (MS)	0.428	1.483	1) With TPCL	-9.435	-71.639
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	29.042	178.661	1) MSEDCL Bilateral	1.209	13.630
2) TPCL Hydro	0.735	14.988	Include PX	0.000	0.000
TOTAL TPCL	29.777	193.649	2) MUMBAI Bilateral	10.517	75.528
3) REL Thermal	12.623	87.330	Include PX	0.000	13.508
D) STATE			3) MUMBAI Schedule	10.517	78.853
1) Thermal (A1+C1+C3)	153.921	1038.212	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	4.009	58.221	1) MSEDCL	223.792	1542.891
3) Gas (A3+B1)	37.423	242.547	2) TPCL	33.937	230.029
4) Wind (B2)	15.300	75.724	3) REL	17.897	122.580
TOTAL STATE	210.653	1414.704	TOTAL STATE	275.626	1895.500

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4881	4935	4264
MSGENCO Hydro	222	169	114
MSGENCO Gas	643	644	662
MSGENCO Total Generation	5746	5748	5040
Central Sector Receipt	2678	3726	2065
RGPPL	930	935	935
WIND	776	513	682
Exchange with TPCL	-694	-520	-47
MSEDCL DEMAND MET	9436	10455	8675
Load Shedding	0	1629	197
MSEDCL DEMAND (INCL. LS)	9436	12084	8872
TPCL GENERATION	1476	1534	860
REL GENERATION	524	522	527
TPCL+REL DEMAND	2694	2576	1434
STATE DEMAND MET	12130	13031	10109
STATE DEMAND (INCL. LS)	12130	14660	10306
Frequency (Hz)	49.74	49.83	50.10
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			1603 MW at 20.00Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			7.29 Mus

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.32 Hz at 03.02 Hrs	49.13 Hz at 14.23 Hrs	49.82	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 07/Oct/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.71	7.74	82	48	65
Unit 2	1.72	6.10	76	63	65
Unit 3	1.42	3.85	78	0	65
Unit 4	0.00	8.33	2	0	0
Unit 5	0.21	13.99	52	0	0
Unit 6	3.63	19.98	170	127	140
Unit 7	3.80	21.60	193	75	140
	12.49	81.59			475
Bhusawal					
Unit 1	0.61	6.60	29	19	25
Unit 2	0.00	2.84	0	0	0
Unit 3	3.90	29.28	184	150	195
	4.50	38.72			220
Parli					
Unit 1	0.34	3.75	26	0	25
Unit 2	0.00	3.01	0	0	0
Unit 3	1.88	15.56	146	0	0
Unit 4	4.25	27.27	192	156	185
Unit 5	2.67	25.67	175	0	0
Unit 6	5.45	36.23	245	211	235
	14.59	111.49			445
Chandrapur					
Unit 1	3.80	26.32	161	152	160
Unit 2	3.77	10.18	169	149	160
Unit 3	4.00	28.36	186	138	200
Unit 4	4.61	30.89	204	163	200
Unit 5	8.77	62.78	430	310	400
Unit 6	8.30	56.98	400	280	350
Unit 7	8.82	66.37	426	329	400
	42.08	281.88			1870
Paras					
Unit 2	0.38	3.12	18	11	20
Unit 3	4.28	27.63	198	94	180
	4.67	30.76			200
Khaparkheda					
Unit 1	4.18	29.50	194	159	180
Unit 2	4.24	28.34	197	152	180
Unit 3	4.05	24.11	182	157	180
Unit 4	4.35	31.07	212	154	170
	16.82	113.02			710
Nasik					
Unit 1	2.07	13.44	96	75	90
Unit 2	1.61	8.73	95	45	70
Unit 3	4.62	31.86	206	174	170
Unit 4	4.43	30.55	195	172	170
Unit 5	4.39	30.19	198	170	170
	17.12	114.77			670
Uran					
All Units	14.96	97.28	666	482	600
	14.96	97.28			600
Koyna					
Stage 1-2	0.98	11.78	50	35	600
Stage 4	0.00	10.75	0	0	250
Kovna 12&4 Total	0.98	22.53			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.00	6.61	0	0	320
	0.98	29.13			1170
Hydro					
KDPH	0.47	0.81	39	0	38
VTRNA	0.00	0.00	0	0	0
TILLARI	0.37	4.05	58	0	60
BHTGR/VEER	0.74	1.90	31	31	36
BHIRA T.R.	0.14	2.04	41	0	41
RNGR+BHTSA	0.08	1.23	4	3	4
BHANDARDRA	0.00	0.98	0	0	15
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	0.40	10	0	10
GHATGHAR	0.00	1.21	0	0	0
	1.87	12.62			204
PENCH (MS)					
Pench (MS)	0.43	1.48	54	0	
	0.43	1.48			
Wind					
MalharPeth	0.80	4.52			
Vankuswadi	0.98	7.33			
ATIT	0.61	3.17			
Kale	0.25	2.04			
Satara	0.44	7.54			
Shirala	0.39	3.10			
K Mahankal	0.09	1.51			
Supa	0.15	1.52			
Vita	1.11	13.71			
Dondaicha	7.16	17.41			
Sakri	1.24	3.15			
Nandurbar	0.88	2.07			
Khadakale	0.35	3.84			
Khaparale	0.83	4.81			
	15.30	75.72			
Dabhol					
RGPP L II	22.46	145.26	940	930	900
RGPP L III	0.00	0.00	0	0	
	22.46	145.26			900
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.40	44.54	495	350	500
Trombay 6	8.57	70.55	510	150	500
Trombay 7A	2.87	17.69	123	108	100
Trombay 7B	1.60	10.28	68	63	70
Trombay 8	4.60	35.61	221	137	210
TATA Hydro	0.74	14.99	133	0	447
	29.78	193.65			1827
REL					
1&2	12.62	87.33	529	522	500
	12.62	87.33			500
Cent Sect					
Share					3307
					3307

MS PG CL	Thermal	112.26	772.22		4590
	Thml+Gas	127.22	869.50		5190
	Hydro	2.85	41.75		1374
	Total	130.06	911.25		6564
State Total		210.65	1414.70		13098

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 07/Oct/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	4252	114	486	4852	935	563	2505	2269	-133	-92	8527	602	9129	1689	10818	49.78
2	4233	114	520	4867	930	667	2437	2091	-89	-47	8508	608	9116	1571	10687	49.91
3	4289	124	605	5018	935	670	2437	2078	-89	-45	8656	502	9158	1462	10620	50.08
4	4264	114	662	5040	935	682	2437	2065	-89	-47	8675	197	8872	1434	10306	50.10
5	4283	119	657	5059	930	713	2437	2341	-89	-51	8992	14	9006	1419	10425	49.82
6	4394	114	660	5168	935	756	2441	2306	-94	-53	9112	268	9380	1518	10898	49.85
7	4657	114	658	5429	940	754	2398	2086	-94	-64	9145	389	9534	1657	11191	49.76
8	4753	114	660	5527	930	768	2333	2160	21	65	9450	346	9796	1791	11587	49.91
9	4838	126	666	5630	935	753	2505	2115	-165	-127	9306	402	9708	2065	11773	49.91
10	4942	182	659	5783	935	760	2784	2222	-502	-466	9234	452	9686	2404	12090	49.83
11	4990	211	652	5853	935	652	3040	2437	-727	-695	9182	0	9182	2666	11848	49.91
12	4881	222	643	5746	930	776	3040	2678	-727	-694	9436	0	9436	2694	12130	49.74
13	4829	88	637	5554	935	813	3002	2722	-727	-681	9343	0	9343	2641	11984	49.71
14	4847	79	634	5560	935	453	3002	2787	-727	-683	9065	0	9065	2564	11629	49.62
15	4704	79	630	5413	935	655	3002	2976	-727	-688	9311	0	9311	2597	11908	49.49
16	4743	79	638	5460	940	585	3002	2960	-727	-687	9278	0	9278	2634	11912	49.77
17	4689	79	639	5407	940	704	3002	3144	-727	-683	9539	203	9742	2606	12348	49.76
18	4681	89	645	5415	940	483	2924	3050	-651	-610	9306	1036	10342	2557	12899	49.78
19	4823	141	647	5611	935	543	2917	3431	-573	-526	10047	1536	11583	2517	14100	49.71
20	4935	169	644	5748	935	513	3092	3726	-573	-520	10455	1629	12084	2576	14660	49.83
21	4892	158	647	5697	940	477	3093	3726	-573	-511	10382	1289	11671	2430	14101	49.93
22	4867	74	646	5587	940	478	3093	3578	-573	-507	10130	1291	11421	2246	13667	49.82
23	4803	74	546	5423	940	510	3110	3104	-589	-522	9509	1319	10828	2114	12942	49.73
24	4635	69	482	5186	940	572	3069	2918	-572	-501	9168	914	10082	1983	12065	49.94
MUs	112.22	2.85	14.96	130.03	22.46	15.30	67.10	64.97	-10.52	-9.44	223.76	13.00	236.75	51.84	288.59	49.82

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 07/Oct/2009

Position as on 6.30 Hrs of 08/Oct/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
Cent_Sect Gandhar U3	144	14/09/2009	09.30		Continued.	Annual Overhaul.	10/10/2009
Cent_Sect Gandhar U4	224	17/09/2009	00.11		Continued.	Annual Overhaul.	10/10/2009
Cent_Sect Sipat-4	500	05/10/2009	00:00		Continued.	P.G. Test.	20/10/2009
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	
Cent_Sect Kawas GT2A	106	04/10/2009	10:46		Continued.	Set W/DN.	10/10/2009
Cent_Sect Kawas ST2C	116	05/10/2009	16.00		Continued.	Bearing Temp.High.	10/10/2009
Cent_Sect Kawas GT2B	106	05/10/2009	23:55		Continued.	Set W/DN.	12/10/2009
Koradi Unit 5	200	06/10/2009	02.14	07/10/2009	17.56	To attend ID Fan Work.	08/10/2009
Uran Unit 7	108	06/10/2009	06.20	07/10/2009	00.22	Filter Replacement work.	
Parli Unit 2	30	06/10/2009	15.29		Continued.	Boiler Tube Leakage.	
Bhusawal Unit 2	210	06/10/2009	16.35		Continued.	Boiler Tube Leakage.	
Parli Unit 5	210	06/10/2009	21.30	07/10/2009	03.46	Tripped due to tripping of STN.T/F.	
Koradi Unit 3	105	06/10/2009	21.34	07/10/2009	03.36	Expansion high.	07/10/2009
Parli Unit 3	210	06/10/2009	22.56	07/10/2009	09.20	Turbine Problem.	
Koradi Unit 4	115	07/10/2009	00.06		Continued.	Bunkering problem.	
Parli Unit 5	210	07/10/2009	04.22	07/10/2009	06.32	Loss of excitation.	
Parli Unit 5	210	07/10/2009	06.39	07/10/2009	07.40	Drum level high.	
Parli Unit 1	30	07/10/2009	14.37		Continued.	Inlet Heater to condenser heavy leakage.	
Uran Unit 7	108	07/10/2009	22.37		Continued.	Oil Leakage.	
Paras Unit 3	250	07/10/2009	23.33	08/10/2009	02.26	Furnace Pressure high.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 07/Oct/2009

Position as on 6.30 Hrs of 08/Oct/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	04/10/2009	22:03		Continued.	H/T to control O/V.
Dhule-Sar'Sarovar II	05/10/2009	03:50		Continued.	H/T FOR O/V.
Kolhapur-Mapusa-II	06/10/2009	23.57	07/10/2009	07.40	H/T for O/V.
Kolhapur-Mapusa Ckt I	08/10/2009	00.03		Continued.	H/T For O/V.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
TILLARY-PHONDA	07/10/2009	09.05	07/10/2009	22.10	For attending fault at Mudshingi-Ponda.
Voltage Level : 220KV			Outage Type TRIPPED		
Mudshingi-Ponda	02/10/2009	11:25		Continued.	Trip. on dist. prot. O/C, E/F.
Kolhapur - Chikodi	07/10/2009	07.28	07/10/2009	11.10	Tripped on D/P,Z-1
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 300 MVA ICT-I @ Koradi	04/10/2009	09:28	07/10/2009	19.47	To attend oil leakage of B Ph bushing.
Koradi-Chandrapur	06/10/2009	06.49		Continued.	Tower errection work.
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.
Kandalgaon-Khargar	02/10/2009	14:26		Continued.	Taken on TBC.CB repl.work at Khargar
220 KV TBC at Kalmeshwar	06/10/2009	13.45		Continued.	O/H Work.
Versova Bus-II	07/10/2009	06.10	07/10/2009	09.10	Isolator Commissioning work.
K'gaon-Pirangut	07/10/2009	09.10		Continued.	Insulator Replacement.
Usmanabad-Barshi	07/10/2009	09.15	07/10/2009	12.39	Routine maintaince.
Tilawani-Miraj	07/10/2009	09.44	07/10/2009	17.16	Retrofitting Work.
Bale-Lamboti II	07/10/2009	10.15	07/10/2009	11.40	To attend Red Hot Spot,on Y-Ph line Isolator.
Warora- Main Bus	07/10/2009	10.23	07/10/2009	15.24	Bus Conductor Replacement.
Khaparkheda-Kawlewada-I	07/10/2009	11.03	07/10/2009	13.43	Q.M.Work.
Aurangabad - Bhenda	07/10/2009	11.23	07/10/2009	14.45	Q.M.Work.
Bale-Murud	07/10/2009	12.30	07/10/2009	14.40	Q.M.Work
Bale-Osmanbad	07/10/2009	15.25	07/10/2009	17.00	Q.M.Work
Bhosari-C'enka	07/10/2009	22.34	08/10/2009	03.00	Retrofitting Work.
Chinchwad-Bhosari	08/10/2009	03.01	08/10/2009	04.30	Relay Retrofitting Work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Malkapur - Khamgaon	06/10/2009	11.52	07/10/2009	20.48	CT Replacement Work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Kolhapur CKT I	07/10/2009	02.50	07/10/2009	09.20	H/T for O/V.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Trombay-Mulund	07/10/2009	15.40	07/10/2009	22.00	Trip Ckt.Faulty.indication at Mulund
Voltage Level : 132KV			Outage Type HAND TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 07/Oct/2009

Position as on 6.30 Hrs of 08/Oct/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Pardi-Uppalwadi	01/10/2009	17:14		Continued.	To Control 132kv Ambazari-Mankapur ckt flow.
Voltage Level : 220KV			Outage Type TRIPPED		
Wardha-Badnera	03/10/2009	21.48		Continued.	H/T to load 400 KV Akola ICT.
220/7 KV,35 MVA,Stn.T/F-II at Parli.	06/10/2009	21.30	07/10/2009	00.56	Tripped on PDR.
Khaparkhedda-Kawlewada-II	06/10/2009	23.23		Continued.	Tripped On distance protction.
220/22 KV 50 MVA T/F -I at Kalwa	07/10/2009	01.05	07/10/2009	06.00	Tripped on differential protection.
Karad-Vita-II	07/10/2009	11.58	07/10/2009	12.30	Dist.Protection,Y-Ph,Z-1
Voltage Level : 132KV			Outage Type TRIPPED		
132/33 KV 25 MVA T/F - I @ Bhusawal	27/09/2009	17.36		Continued.	Transformer Caught Fire.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 08/Oct/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	60
Unit 2	105	60
Unit 3	105	70
Unit 4	105	0
Unit 5	200	100
Unit 6	210	150
Unit 7	210	160
	1040	600
Bhusawal		
Unit 1	58	25
Unit 2	210	0
Unit 3	210	190
	478	215
Parli		
Unit 1	30	0
Unit 2	30	0
Unit 3	210	150
Unit 4	210	150
Unit 5	210	165
Unit 6	250	220
	940	685
Chandrapur		
Unit 1	210	165
Unit 2	210	160
Unit 3	210	200
Unit 4	210	210
Unit 5	500	400
Unit 6	500	380
Unit 7	500	375
	2340	1890
Paras		
Unit 2	55	20
Unit 3	250	210
	305	230
Khaparkheda		
Unit 1	210	190
Unit 2	210	190
Unit 3	210	210
Unit 4	210	210
	840	800
Nasik		
Unit 1	120	81
Unit 2	120	71
Unit 3	210	172
Unit 4	210	172
Unit 5	210	162
	870	658
Uran		
All Units	852	630
	852	630
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	39
VTRNA	60	0
TILLARI	60	58
BHTGR/VEER	21	31
BHIRA T.R.	80	41
RNGR+BHTSA	20	4
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	183
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	200
TATA Hydro	444	447
	2024	1827
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3310
	3143	3310