



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

State Load Dispatch Center, Airoli

Daily system Report

for

04/Oct/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 04/Oct/2009 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	112.605	450.096	1) Madhya Pradesh	50.852	244.248
2) Hydro	2.596	25.646	2) Gujrat	11.040	55.067
3) Gas	15.151	56.897	3) Goa	-6.253	-24.300
Total MSGENCO	130.352	532.639	4) TAPS 1&2 (Inj.)	7.181	28.644
B) OTHERS			5) Pench (Excess)	-0.014	-1.055
1) RGPPL Gas	22.426	78.278	# Total Cent. Sector	62.806	302.604
2) Wind Generation	10.919	30.029	F) Other Exchanges		
3) PENCH (MS)	0.014	1.055	1) With TPCL	-10.018	-46.756
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	19.088	92.381	1) MSEDCL Bilateral	4.425	14.093
2) TPCL Hydro	0.335	12.957	Include PX	0.000	0.000
TOTAL TPCL	19.423	105.338	2) MUMBAI Bilateral	11.227	47.202
3) REL Thermal	12.621	49.530	Include PX	6.470	14.221
D) STATE			3) MUMBAI Schedule	11.227	50.527
1) Thermal (A1+C1+C3)	144.314	592.007	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	2.945	39.658	1) MSEDCL	216.499	897.849
3) Gas (A3+B1)	37.577	135.175	2) TPCL	27.196	130.803
4) Wind (B2)	10.919	30.029	3) REL	14.863	70.815
TOTAL STATE	195.755	796.869	TOTAL STATE	258.558	1099.467

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4776	4643	4716
MSGENCO Hydro	169	322	45
MSGENCO Gas	653	677	555
MSGENCO Total Generation	5598	5642	5316
Central Sector Receipt	2650	3163	2334
RGPPL	941	951	932
WIND	427	426	408
Exchange with TPCL	-501	-432	-281
MSEDCL DEMAND MET	9115	9750	8709
Load Shedding	0	1002	0
MSEDCL DEMAND (INCL. LS)	9115	10752	8709
TPCL GENERATION	860	1048	783
REL GENERATION	524	526	525
TPCL+REL DEMAND	1885	2006	1589
STATE DEMAND MET	11000	11756	10298
STATE DEMAND (INCL. LS)	11000	12758	10298
Frequency (Hz)	50.25	49.99	49.98
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			440 MW At 20.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			-12.17 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.47 Hz at 17.05 Hrs	49.28 Hz at 12.09 Hrs	50.03	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 04/Oct/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.75	5.08	81	0	75
Unit 2	1.42	1.86	76	0	45
Unit 3	0.00	2.42	0	0	0
Unit 4	1.72	6.24	82	58	75
Unit 5	3.09	11.66	136	112	130
Unit 6	3.19	12.03	155	88	135
Unit 7	3.36	12.34	182	96	135
	13.53	51.64			595
Bhusawal					
Unit 1	1.12	4.54	54	38	50
Unit 2	0.00	0.00	5	0	0
Unit 3	4.37	17.58	192	170	200
	5.50	22.13			250
Parli					
Unit 1	0.56	2.27	25	20	20
Unit 2	0.54	2.17	26	20	20
Unit 3	1.72	13.17	162	0	170
Unit 4	4.11	15.43	198	157	170
Unit 5	3.90	15.73	178	149	170
Unit 6	4.99	20.71	231	177	220
	15.82	69.48			770
Chandrapur					
Unit 1	3.70	15.09	161	146	165
Unit 2	0.73	0.73	62	0	0
Unit 3	3.27	16.66	153	125	140
Unit 4	4.05	17.84	191	142	180
Unit 5	8.98	37.05	412	341	450
Unit 6	8.58	31.18	400	325	425
Unit 7	9.75	40.12	440	352	450
	39.06	158.67			1810
Paras					
Unit 2	0.45	1.94	20	16	30
Unit 3	4.80	14.38	230	167	200
	5.25	16.33			230
Khaparkheda					
Unit 1	4.28	17.49	197	164	175
Unit 2	4.19	15.75	188	158	175
Unit 3	4.77	18.08	214	64	205
Unit 4	4.36	17.62	212	161	165
	17.62	68.93			720
Nasik					
Unit 1	1.68	7.14	87	56	84
Unit 2	1.66	2.90	83	60	61
Unit 3	4.16	18.09	195	159	185
Unit 4	4.19	17.59	185	159	174
Unit 5	4.14	17.20	188	156	178
	15.84	62.92			682
Uran					
All Units	15.15	56.90	682	497	580
	15.15	56.90			580
Koyna					
Stage 1-2	1.04	8.30	55	35	600
Stage 4	0.00	7.61	0	0	250
Koyna 12&4 Total	1.04	15.90			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.35	3.91	142	0	320
	1.39	19.81			1170
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.00	0	0	0
TILLARI	0.46	1.66	60	0	60
BHTGR/VEER	0.03	0.39	2	1	0
BHIRA T.R.	0.31	1.38	42	0	40
RNGR+BHTSA	0.34	0.96	19	4	13
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	0.23	10	0	10
GHATGHAR	0.00	1.21	0	0	0
	1.20	5.83			123
PENCH (MS)					
Pench (MS)	0.01	1.06	14	0	0
	0.01	1.06			0
Wind					
MalharPeth	1.09	2.11			
Vankuswadi	1.28	3.20			
ATIT	0.94	1.81			
Kale	0.45	0.68			
Satara	0.62	3.66			
Shirala	0.52	1.42			
K Mahankal	0.28	0.38			
Supa	0.22	0.89			
Vita	3.19	6.76			
Dondaicha	0.70	3.76			
Sakri	0.19	0.90			
Nandurbar	0.08	0.33			
Khadakale	0.69	1.91			
Khaparale	0.67	2.21			
	10.92	30.03			
Dabhol					
RGPP L II	22.43	78.28	951	921	900
RGPP L III	0.00	0.00	0	0	0
	22.43	78.28			900
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.11	12.22	100	0	0
Trombay 6	9.48	45.05	510	210	500
Trombay 7A	2.33	9.50	104	85	110
Trombay 7B	1.42	5.62	61	56	110
Trombay 8	5.74	19.98	250	228	160
TATA Hydro	0.34	12.96	159	0	447
	19.42	105.34			1327
REL					
1&2	12.62	49.53	528	523	500
	12.62	49.53			500
Cent Sect					
Share					3497
					3497

MS PG CL	Thermal	112.60	450.10		5057
	Thml+Gas	127.76	506.99		5637
	Hydro	2.60	25.65		1293
	Total	130.35	532.64		6930
State Total		195.76	796.87		13154

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 04/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	4770	45	658	5473	931	357	3381	3008	-607	-563	9206	0	9206	1872	11078	49.81
2	4717	45	650	5412	931	336	3122	2710	-440	-391	8998	0	8998	1696	10694	49.92
3	4716	45	555	5316	932	408	3010	2334	-328	-281	8709	0	8709	1589	10298	49.98
4	4752	60	497	5309	921	440	2943	2348	-262	-210	8808	0	8808	1516	10324	50.12
5	4846	47	510	5403	921	426	2915	2248	-233	-181	8817	0	8817	1508	10325	50.16
6	4870	65	507	5442	931	429	2962	2396	-281	-230	8968	0	8968	1565	10533	50.03
7	4886	70	563	5519	931	343	2859	2302	-281	-239	8856	0	8856	1574	10430	49.95
8	4927	60	636	5623	931	256	3220	2623	-293	-255	9178	0	9178	1581	10759	50.16
9	5007	113	659	5779	941	325	3317	2489	-369	-333	9201	0	9201	1720	10921	50.01
10	5041	131	642	5814	941	362	3102	2462	-422	-387	9192	0	9192	1789	10981	50.04
11	4776	169	653	5598	941	427	3237	2650	-538	-501	9115	0	9115	1885	11000	50.25
12	4488	112	668	5268	924	515	3384	2681	-671	-622	8766	0	8766	1954	10720	50.04
13	4430	102	661	5193	924	618	3096	2519	-590	-537	8717	0	8717	1819	10536	49.73
14	4480	112	583	5175	924	709	2988	2268	-571	-520	8570	0	8570	1782	10352	50.08
15	4488	86	626	5200	924	689	3047	2397	-592	-543	8667	0	8667	1752	10419	50.20
16	4484	60	676	5220	924	637	3145	2466	-622	-573	8674	0	8674	1716	10390	50.19
17	4358	79	673	5110	924	573	3171	2978	-571	-537	9048	0	9048	1685	10733	50.01
18	4590	163	671	5424	924	525	3196	2875	-581	-547	9201	29	9230	1792	11022	49.91
19	4635	319	674	5628	951	425	2934	2980	-392	-349	9635	551	10186	1917	12103	49.93
20	4643	322	677	5642	951	426	3073	3163	-475	-432	9750	1002	10752	2006	12758	49.99
21	4665	183	676	5524	951	405	3133	2983	-529	-465	9398	972	10370	1951	12321	49.91
22	4724	103	679	5506	951	407	3154	2801	-551	-486	9179	623	9802	1908	11710	50.17
23	4757	60	675	5492	951	409	3001	2670	-498	-422	9100	0	9100	1773	10873	49.98
24	4555	45	682	5282	951	472	2980	2455	-529	-414	8746	0	8746	1712	10458	50.16
MUs	112.60	2.60	15.15	130.35	22.43	10.92	74.37	62.81	-11.23	-10.02	216.50	3.18	219.68	42.06	261.74	50.03

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 04/Oct/2009

Position as on 6.30 Hrs of 05/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
Bhusawal Unit 2	210	02/09/2009	10.08	04/10/2009	23:50	Annual Overhaul.	
Chandrapur Unit 2	210	05/09/2009	23:46	04/10/2009	0845	Annual Overhaul.	
Cent_Sect Gandhar U3	144	14/09/2009	09.30		Continued.	Annual Overhaul.	05/10/2009
Cent_Sect Gandhar U4	224	17/09/2009	00.11		Continued.	Annual Overhaul.	05/10/2009
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	
Koradi Unit 2	105	01/10/2009	09.29	04/10/2009	02.38	Coal Shortage.	04/10/2009
Tata Trombay 5	500	02/10/2009	01:23	04/10/2009	22:46	BTL.	
Koradi Unit 3	105	02/10/2009	17:46		Continued.	BTL.	
Cent_Sect NTPC(V-3)	210	04/10/2009	09:20	04/10/2009	13:16	Furnace pressure low	
Koradi Unit 1	105	04/10/2009	09:24		Continued.	CTL	06/10/2009
Parli Unit 3	210	04/10/2009	11:20		Continued.	ESP Field problem.	06/10/2009
Cent_Sect NTPC(V-2)	210	04/10/2009	12:10	04/10/2009	15:00	Tripped due to Bus fault at Vindhyachal	
Cent_Sect NTPC(V-4)	210	04/10/2009	12:10	04/10/2009	15:15	Tripped due to Bus fault at Vundhyachal	
Cent_Sect NTPC(V-5)	210	04/10/2009	12:10	04/10/2009	17:29	Tripped due to Bus Fault at Vindhyachal	
Cent_Sect NTPC(V-6)	210	04/10/2009	12:10	05/10/2009	04:10	Tripped due to Bus Fault at Vindhyachal	
Khaparkheda Unit 3	210	04/10/2009	23:24		Continued.	BTL.	06/10/2009

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 04/Oct/2009

Position as on 6.30 Hrs of 05/Oct/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
TILLARY-PHONDA	04/10/2009	09:55	04/10/2009	21:25	To attend conductor snapping work on Mudshingi - Ponda.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Wardha - II	01/07/2009	09.12		Continued.	H/T FOR O/V
Kolhapur-Mapusa Ckt I	03/10/2009	22.41	04/10/2009	07:45	H/T for O/V.
DHULE-SAR'SAROVAR-I	04/10/2009	03.09	05/10/2009	04:14	H/T for O/V.
Akola - Wardha - I	04/10/2009	22:03		Continued.	H/T to control O/V.
Kolhapur-Mapusa-II	04/10/2009	22:41		Continued.	O/V.
Dhule-Sar'Sarovar II	05/10/2009	03:50		Continued.	H/T FOR O/V.
Voltage Level : 400KV			Outage Type TRIPPED		
Padgha-Tarapur CKT I	04/10/2009	19:56		Continued.	Tripped, Decl. Faulty.
Voltage Level : 220KV			Outage Type TRIPPED		
Mudshingi-Ponda	02/10/2009	11:25		Continued.	Trip. on dist. prot. O/C, E/F.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Bblswr-Padgha Ckt II	04/10/2009	08:09	04/10/2009	18:17	E/W, Insulator Repl.
400/220 KV 300 MVA ICT-I @ Koradi	04/10/2009	09:28		Continued.	To attend oil leakage of B Ph bushing.
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.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Malkapur - Khamgaon	30/09/2009	12.25	04/10/2009	15:45	Breaker Replacement Work.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
500 MVA 400/220 KV ICT at Jejuri	04/10/2009	01.05	04/10/2009	02.55	Attending Sparking at H.V side 'B' Phase isolator.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Kolhapur CKT I	04/10/2009	01.57	04/10/2009	18:53	H/T for O/V.
Karad-Kolhapur CKT I	05/10/2009	01:42		Continued.	H/T for O/V.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Apta-Bombay Dyeing	04/10/2009	22:03	05/10/2009	00:25	H/T as R Ph, no current.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Pardi-Uppalwadi	01/10/2009	17:14		Continued.	To Control 132kv Ambazari-Mankapur ckt flow.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220kv, 315 MVA ICT-II @ Nagothane.	04/10/2009	15:19	04/10/2009	17:40	Tripped on B Ph Bucholz.
Voltage Level : 220KV			Outage Type TRIPPED		
Wardha-Badnera	03/10/2009	21.48		Continued.	H/T to load 400 KV Akola ICT.
Chalisgaon-BSL-I	04/10/2009	01.55	04/10/2009	02.17	Trip on dist. prot. R to E, Zone 1.
Chalisgaon-Bhusawal-2	04/10/2009	01.55	04/10/2009	02.25	Trip on dist. prot. R to E, Zone 2.
Nasik-Padgha- II	04/10/2009	03.37	04/10/2009	04.29	Trip dist. prot. B to E Zone 1.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 04/Oct/2009

Position as on 6.30 Hrs of 05/Oct/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Khaparkheda-Ambazari ckt - I	04/10/2009	17:50	04/10/2009	18:03	Tripped on Distance Protection B Ph E/F, Z-1.
Pophali-K'gaon	05/10/2009	03:50	05/10/2009	04:32	Dist. Protn. R Ph to E/F.
Voltage Level : 132KV			Outage Type TRIPPED		
132/33 KV 25 MVA T/F - I @ Bhusawal	27/09/2009	17.36		Continued.	Transformer Caught Fire.
Jangamwadi - Kandhar	04/10/2009	01:50	04/10/2009	02:10	R Ph E/F, A/R L/O, Back up O/C.
Nanded - Tamsa	04/10/2009	01:55	04/10/2009	02:15	R Ph E/F Z-1, 5.3 KM.
Umarkhed - Himayatnagar	04/10/2009	03:31	04/10/2009	03:38	Back-up O/C, R Ph.
Nanded - Umri	04/10/2009	18:35	04/10/2009	19:14	Tripped Dist.Protn.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 05/Oct/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	60
Unit 3	105	0
Unit 4	105	70
Unit 5	200	80
Unit 6	210	100
Unit 7	210	120
	1040	430
Bhusawal		
Unit 1	58	50
Unit 2	210	29
Unit 3	210	180
	478	259
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	0
Unit 4	210	160
Unit 5	210	160
Unit 6	250	205
	940	565
Chandrapur		
Unit 1	210	170
Unit 2	210	100
Unit 3	210	150
Unit 4	210	180
Unit 5	500	400
Unit 6	500	425
Unit 7	500	450
	2340	1875
Paras		
Unit 2	55	30
Unit 3	250	200
	305	230
Khaparkheda		
Unit 1	210	200
Unit 2	210	190
Unit 3	210	0
Unit 4	210	210
	840	600
Nasik		
Unit 1	120	80
Unit 2	120	80
Unit 3	210	195
Unit 4	210	185
Unit 5	210	175
	870	715
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	0
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	4
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	114
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	2641
	3143	2641