



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

State Load Dispatch Center, Airoli

Daily system Report

for

01/Oct/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 01/Oct/2009 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	112.107	112.107	1) Madhya Pradesh	62.010	62.010
2) Hydro	6.800	6.800	2) Gujrat	15.542	15.542
3) Gas	14.286	14.286	3) Goa	-5.653	-5.653
Total MSGENCO	133.193	133.193	4) TAPS 1&2 (Inj.)	7.159	7.159
B) OTHERS			5) Pench (Excess)	-0.313	-0.313
1) RGPPL Gas	22.235	22.235	# Total Cent. Sector	78.745	78.745
2) Wind Generation	6.213	6.213	F) Other Exchanges		
3) PENCH (MS)	0.313	0.313	1) With TPCL	-10.342	-10.342
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	30.709	30.709	1) MSEDCL Bilateral	2.290	2.290
2) TPCL Hydro	3.376	3.376	Include PX	0.000	0.000
TOTAL TPCL	34.085	34.085	2) MUMBAI Bilateral	11.360	11.360
3) REL Thermal	11.801	11.801	Include PX	0.964	0.964
D) STATE			3) MUMBAI Schedule	11.360	11.360
1) Thermal (A1+C1+C3)	154.617	154.617	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	10.489	10.489	1) MSEDCL	230.357	230.357
3) Gas (A3+B1)	36.521	36.521	2) TPCL	37.012	37.012
4) Wind (B2)	6.213	6.213	3) REL	19.214	19.214
TOTAL STATE	207.840	207.840	TOTAL STATE	286.583	286.583

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	4508	4745	4603
MSGENCO Hydro	202	1054	83
MSGENCO Gas	595	618	592
MSGENCO Total Generation	5305	6417	5278
Central Sector Receipt	3765	3784	2702
RGPPL	928	926	926
WIND	111	306	267
Exchange with TPCL	-718	-589	-56
MSEDCL DEMAND MET	9418	10864	9117
Load Shedding	2347	2571	1188
MSEDCL DEMAND (INCL. LS)	11765	13435	10305
TPCL GENERATION	1600	1599	1138
REL GENERATION	520	518	465
TPCL+REL DEMAND	2838	2706	1659
STATE DEMAND MET	12256	13570	10776
STATE DEMAND (INCL. LS)	14603	16141	11964
Frequency (Hz)	49.52	49.68	48.92
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2686 MW AT 18.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			44.12 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.28 Hz at 17.04 Hrs	48.69 Hz at 05.47 Hrs	49.37	11.49 % 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 01/Oct/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.33	1.33	72	40	70
Unit 2	0.45	0.45	60	0	50
Unit 3	1.33	1.33	75	30	40
Unit 4	1.20	1.20	76	20	35
Unit 5	3.00	3.00	136	104	110
Unit 6	3.12	3.12	140	102	120
Unit 7	2.98	2.98	148	92	130
	13.40	13.40			555
Bhusawal					
Unit 1	1.04	1.04	56	21	25
Unit 2	0.00	0.00	0	0	0
Unit 3	4.43	4.43	197	164	190
	5.47	5.47			215
Parli					
Unit 1	0.59	0.59	26	23	20
Unit 2	0.54	0.54	24	21	20
Unit 3	3.77	3.77	166	149	170
Unit 4	3.45	3.45	175	106	170
Unit 5	3.88	3.88	172	143	170
Unit 6	5.21	5.21	230	180	220
	17.44	17.44			770
Chandrapur					
Unit 1	3.80	3.80	164	150	165
Unit 2	0.00	0.00	0	0	0
Unit 3	4.50	4.50	196	156	195
Unit 4	4.72	4.72	201	178	210
Unit 5	9.47	9.47	416	358	400
Unit 6	9.09	9.09	420	300	425
Unit 7	10.29	10.29	461	396	425
	41.86	41.86			1820
Paras					
Unit 2	0.49	0.49	22	20	20
Unit 3	2.36	2.36	128	62	60
	2.85	2.85			80
Khaparkheda					
Unit 1	4.26	4.26	193	152	170
Unit 2	3.12	3.12	159	90	150
Unit 3	4.26	4.26	214	149	170
Unit 4	4.19	4.19	214	142	170
	15.82	15.82			660
Nasik					
Unit 1	1.72	1.72	83	45	75
Unit 2	0.00	0.00	0	0	0
Unit 3	4.66	4.66	204	183	180
Unit 4	4.58	4.58	200	180	180
Unit 5	4.30	4.30	188	162	170
	15.25	15.25			605
Uran					
All Units	14.29	14.29	618	566	580
	14.29	14.29			580
Koyna					
Stage 1-2	2.28	2.28	285	40	600
Stage 4	1.32	1.32	412	0	250
Koyna 12&4 Total	3.60	3.60			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	1.26	1.26	320	0	320
	4.86	4.86			1170
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.00	0	0	0
TILLARI	0.48	0.48	60	0	60
BHTGR/VEER	0.36	0.36	15	15	0
BHIRA T.R.	0.32	0.32	41	0	40
RNGR+BHTSA	0.30	0.30	18	2	20
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	0.06	10	0	0
GHATGHAR	0.42	0.42	120	0	0
	1.94	1.94			120
PENCH (MS)					
Pench (MS)	0.31	0.31	27	0	
	0.31	0.31			
Wind					
MalharPeth	0.30	0.30			
Vankuswadi	0.44	0.44			
ATIT	0.49	0.49			
Kale	0.09	0.09			
Satara	0.46	0.46			
Shirala	0.25	0.25			
K Mahankal	0.04	0.04			
Supa	0.25	0.25			
Vita	1.11	1.11			
Dondaicha	1.22	1.22			
Sakri	0.27	0.27			
Nandurbar	0.14	0.14			
Khadakale	0.32	0.32			
Khaparale	0.82	0.82			
	6.21	6.21			
Dabhol					
RGPP L II	22.24	22.24	928	925	900
RGPP L III	0.00	0.00	0	0	
	22.24	22.24			900
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.76	11.76	495	400	500
Trombay 6	11.14	11.14	510	290	500
Trombay 7A	2.43	2.43	109	98	120
Trombay 7B	1.34	1.34	63	27	60
Trombay 8	4.04	4.04	199	124	180
TATA Hydro	3.38	3.38	325	0	447
	34.08	34.08			1807
REL					
1&2	11.80	11.80	526	265	500
	11.80	11.80			500
Cent Sect					
Share					3570
					3570

MS PG CL	Thermal	112.11	112.11		4705
	Thml+Gas	126.39	126.39		5285
	Hydro	6.80	6.80		1290
	Total	133.19	133.19		6575
State Total		207.84	207.84		13352

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 01/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	4669	233	589	5491	926	325	3113	2948	-273	-226	9474	1315	10789	1976	12765	49.09
2	4715	203	588	5506	926	343	2892	2855	-87	-40	9590	1355	10945	1790	12735	49.08
3	4688	78	593	5359	925	350	2869	2657	-64	-14	9277	1160	10437	1729	12166	49.02
4	4615	83	605	5303	925	301	2870	2664	-64	-10	9183	1158	10341	1653	11994	49.18
5	4603	83	592	5278	926	267	2919	2702	-111	-56	9117	1188	10305	1659	11964	48.92
6	4647	245	590	5482	927	245	2991	2817	-206	-148	9323	1333	10656	1694	12350	48.91
7	4672	103	602	5377	927	220	3040	2609	-292	-247	8912	2213	11125	1827	12952	49.13
8	4700	78	618	5396	926	199	3071	2782	-198	-154	9176	2008	11184	1906	13090	49.41
9	4701	163	618	5482	925	127	3115	3025	-241	-203	9382	1787	11169	2162	13331	49.41
10	4648	208	602	5458	926	124	3288	3363	-413	-360	9538	2104	11642	2483	14125	49.33
11	4586	188	597	5371	928	107	3607	3516	-726	-695	9253	2231	11484	2792	14276	49.45
12	4508	202	595	5305	928	111	3605	3765	-726	-718	9418	2347	11765	2838	14603	49.52
13	4539	158	577	5274	926	178	3603	3381	-726	-717	9069	2276	11345	2848	14193	49.34
14	4616	143	594	5353	926	301	3627	3813	-753	-743	9660	2334	11994	2790	14784	49.57
15	4615	86	594	5295	927	337	3627	3334	-753	-743	9160	2491	11651	2847	14498	49.55
16	4638	59	587	5284	927	370	3626	3463	-753	-737	9307	2247	11554	2846	14400	49.55
17	4630	59	574	5263	927	297	3627	3679	-753	-740	9426	2272	11698	2808	14506	49.68
18	4542	216	589	5347	926	187	3540	3796	-669	-652	9604	2251	11855	2714	14569	49.64
19	4714	869	602	6185	926	245	3470	3629	-606	-585	10420	2479	12899	2700	15599	49.52
20	4745	1054	618	6417	926	306	3566	3784	-649	-589	10864	2571	13435	2706	16141	49.68
21	4824	864	610	6298	927	306	3542	3689	-622	-530	10700	2298	12998	2584	15582	49.66
22	4821	594	595	6010	928	302	3543	3706	-618	-527	10446	2327	12773	2451	15224	49.51
23	4837	671	566	6074	926	293	3479	3270	-554	-463	10110	2068	12178	2263	14441	49.29
24	4692	160	591	5443	928	372	3459	3498	-502	-445	9806	1640	11446	2162	13608	49.45
MUs	111.96	6.80	14.29	133.05	22.24	6.21	80.09	78.74	-11.36	-10.34	230.22	47.45	277.67	56.23	333.90	49.37

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 01/Oct/2009

Position as on 6.30 Hrs of 02/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		Continued.	Annual Overhaul.	07/10/2009
Chandrapur Unit 2	210	05/09/2009	23:46		Continued.	Annual Overhaul.	05/10/2009
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
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	
Nasik Unit 2	125	30/09/2009	13.00		Continued.	Boiler Tube Leakage.	03/10/2009
REL 2	250	01/10/2009	05.21	01/10/2009	06.59	To Attend Earth Wire on GT.	
Koradi Unit 2	105	01/10/2009	09.29		Continued.	Coal Shortage.	04/10/2009
Tata Trombay 5	500	02/10/2009	01:23		Continued.	B.T.L.	04/10/2009
Chandrapur Unit 6	500	02/10/2009	02:30	02/10/2009	14:10	Loss of all Fuel.	
Uran Unit 6	108	02/10/2009	06.28	02/10/2009	20:36	Withdraw.	
Dabhol 2B	230	02/10/2009	15:15	02/10/2009	22:34	Trip.	
Dabhol 3B	230	02/10/2009	15:15	02/10/2009	20:11	Trip.	
Dabhol 1A	230	02/10/2009	15:15	02/10/2009	18:41	Trip.	
Dabhol 1X	290	02/10/2009	15:15	02/10/2009	21:46	Trip.	
Koradi Unit 3	105	02/10/2009	17:46		Continued.	BTL.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 01/Oct/2009

Position as on 6.30 Hrs of 02/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		
Padgha - Boisar (PGCIL)	01/10/2009	11.32	01/10/2009	18.53	Testing Work.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220kv Borivali-Tarapur	01/10/2009	14:16	01/10/2009	16:50	Hot Spot.
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	29/09/2009	22.35	02/10/2009	11:54	Hand Tripped for Over Voltage.
Kolhapur-Mapusa-II	02/10/2009	22.33		Continued.	H/T for O/V.
Voltage Level : 220KV			Outage Type TRIPPED		
Mudshingi-Ponda	02/10/2009	11:25		Continued.	Trip. on dist. prot. O/C, E/F.
TILLARY-PHONDA	02/10/2009	11:25		Continued.	Trip. on diet. prot. R to E.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Bblswr-Padgha Ckt II	01/10/2009	08.50	02/10/2009	19:39	Insulator Replacement Work.
400/220 KV 315 MVA ICT at Akola	01/10/2009	14.47	02/10/2009	11:33	CTR Fire Fighting Work.L.V.side charged on No load.
400/220KV 315MVA ICT-III at Padgha	02/10/2009	09:31	02/10/2009	17:25	Q.M.
400/220KV, 315MVA ICT-II at Aurangabad.	02/10/2009	11:37	02/10/2009	16:26	To attend oil leakage from 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.
Jejuri - Baramati	01/10/2009	00:24	01/10/2009	12.14	Retrofitting work.
220/33 KV 50 MVA T/F @ Sonkar	01/10/2009	12.00	01/10/2009	18:00	Painting Work.
220/100KV 125 MVA ICT-I at Kalwa	02/10/2009	07:15	02/10/2009	10:22	To attend hot spot.
Inox - Butibori	02/10/2009	08:16	02/10/2009	15:40	Testing and maintenance work at Inox end.
Aurangabad-Padegaon CKT-II	02/10/2009	09:53	02/10/2009	17:43	Errection work.
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		Continued.	Breaker Replacement Work.
Boiser - Viraj	02/10/2009	09:48	02/10/2009	20:46	R.M. Work.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Chandrapur - Warora - II.	01/10/2009	09.14	01/10/2009	13.15	Replacement of faulty insulator.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha-Badnera	19/09/2009	01:03	01/10/2009	14:45	H/T to increase load on Akola ICT.
Warora-Wardha	01/10/2009	09.14	01/10/2009	13.57	Hand Tripped for Line Loading of C'pur -Warora.
Tata-Tie-2 at Trombay.	01/10/2009	10.24	01/10/2009	10.28	To Remove Hanging Wire.
Wardha--Dhamangaon	01/10/2009	11.15	01/10/2009	14:12	Hand Tripped for Line Loading of C'pur -Warora.
Parly - New Parly -I	02/10/2009	11:09	02/10/2009	15:08	H/T ot attend Hot spot on Y Ph multi

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 01/Oct/2009

Position as on 6.30 Hrs of 02/Oct/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
					ckt Tower located Switch yard.
Aurangabad - Bhenda	02/10/2009	11:45	02/10/2009	16:31	To control 400 KV Waluj ICT loading, since ICT II under outage.
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
B.C.@ Parli	01/10/2009	10.15	01/10/2009	10.38	Tripped.
Dabhol - Nagothane - I	02/10/2009	15:15	02/10/2009	22:12	Trip on dist. prot. R to E,Z1.
400/220KV, 315MVA ICT-I @ New Koyna.	02/10/2009	15:15	02/10/2009	16:29	Trip on O/C, E/F.
Voltage Level : 220KV					Outage Type TRIPPED
Trombay-Mulund	01/10/2009	05.31	01/10/2009	05.44	Dist.Protection.
Pedambe-Newkoyna	01/10/2009	17.55	02/10/2009	17:21	Dist.Prot.
Tambati-Pedambe	01/10/2009	17.58		Continued.	Dist.Prot.
220 kv Lote Dasturi	01/10/2009	17:18	01/10/2009	18:35	Tripped.
kharghar-Kalwa	02/10/2009	12:00	02/10/2009	12:22	Trip on dist. prot. Y Ph to E,Z1.
PEDAMBE-MAHAD	02/10/2009	15:06	02/10/2009	19:24	Trip.
K'gaon-Lonand	02/10/2009	16:35	02/10/2009	17:46	Dist. prot. R Ph to E, Z1
Kolhapur-Sawantwadi	02/10/2009	23.10		Continued.	Tripped R Ph. 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.
132 KV Interconnector - I @ Bhusawal	27/09/2009	17:36	02/10/2009	23:30	Jumper broken.
Kharephaten - Tale Bajar	02/10/2009	14:32	02/10/2009	15:31	Trip.
Kharephaten - Kankawali	02/10/2009	14:36	02/10/2009	15:25	Trip.
Bhandara - Ambhora - I	02/10/2009	21:01	02/10/2009	21:23	Tripped on Distance Protection.
Voltage Level : 100KV					Outage Type TRIPPED
Kandalgaon-Roha-II	02/10/2009	16.32	02/10/2009	17.27	Dist.Protection R Ph.to E,Z1.
Kandalgaon-Roha-I	02/10/2009	16.32	02/10/2009	17.30	Dist.Protection R Ph.to E,Z1.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 02/Oct/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	50
Unit 2	105	0
Unit 3	105	70
Unit 4	105	75
Unit 5	200	110
Unit 6	210	120
Unit 7	210	130
	1040	555
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	165
Unit 5	210	170
Unit 6	250	220
	940	765
Chandrapur		
Unit 1	210	155
Unit 2	210	0
Unit 3	210	200
Unit 4	210	175
Unit 5	500	425
Unit 6	500	0
Unit 7	500	425
	2340	1380
Paras		
Unit 2	55	20
Unit 3	250	100
	305	120
Khaparkheda		
Unit 1	210	190
Unit 2	210	150
Unit 3	210	160
Unit 4	210	175
	840	675
Nasik		
Unit 1	120	71
Unit 2	120	0
Unit 3	210	182
Unit 4	210	172
Unit 5	210	162
	870	587
Uran		
All Units	852	450
	852	450
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	15
BHIRA T.R.	80	40
RNGR+BHTSA	20	18
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	133
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	0
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	120
TATA Hydro	444	447
	2024	1247
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3470
	3143	3470

	17616	7 of 7	12192
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