



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

State Load Dispatch Center, Airoli

Daily system Report

for

12/Oct/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 12/Oct/2009 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	121.862	1366.854	1) Madhya Pradesh	55.620	670.023
2) Hydro	10.178	71.316	2) Gujrat	19.592	166.041
3) Gas	15.289	172.427	3) Goa	-7.096	-81.785
Total MSGENCO	147.329	1610.597	4) TAPS 1&2 (Inj.)	7.161	86.730
B) OTHERS			5) Pench (Excess)	-0.919	-5.734
1) RGPPL Gas	22.377	259.642	# Total Cent. Sector	74.358	835.275
2) Wind Generation	1.730	94.625	F) Other Exchanges		
3) PENCH (MS)	0.919	5.734	1) With TPCL	-9.181	-115.844
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	29.940	315.606	1) MSEDCL Bilateral	0.908	19.318
2) TPCL Hydro	1.245	20.754	Include PX	0.000	0.000
TOTAL TPCL	31.185	336.360	2) MUMBAI Bilateral	10.149	124.742
3) REL Thermal	12.570	150.327	Include PX	0.000	13.508
D) STATE			3) MUMBAI Schedule	10.149	128.067
1) Thermal (A1+C1+C3)	164.372	1832.787	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	12.342	97.804	1) MSEDCL	237.532	2690.029
3) Gas (A3+B1)	37.666	432.069	2) TPCL	35.021	393.880
4) Wind (B2)	1.730	94.625	3) REL	17.913	208.625
TOTAL STATE	216.110	2457.285	TOTAL STATE	290.466	3292.534

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	5178	5107	4843
MSGENCO Hydro	377	1624	134
MSGENCO Gas	636	651	653
MSGENCO Total Generation	6191	7382	5630
Central Sector Receipt	3358	3650	2249
RGPPL	935	932	939
WIND	106	24	64
Exchange with TPCL	-759	-569	217
MSEDCL DEMAND MET	9885	11472	9109
Load Shedding	2108	2040	952
MSEDCL DEMAND (INCL. LS)	11993	13512	10061
TPCL GENERATION	1414	1558	1156
REL GENERATION	523	524	525
TPCL+REL DEMAND	2696	2651	1464
STATE DEMAND MET	12581	14123	10573
STATE DEMAND (INCL. LS)	14689	16163	11525
Frequency (Hz)	49.58	49.92	49.96
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3142 MW AT 19.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			45.11 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.26 Hz at 19.19 Hrs	48.89 Hz at 17.30 Hrs	49.67	1.25 % 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 12/Oct/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.50	15.30	84	49	75
Unit 2	1.46	13.28	76	44	60
Unit 3	1.46	11.11	77	27	70
Unit 4	0.00	8.33	0	0	0
Unit 5	3.45	28.78	160	100	130
Unit 6	3.21	35.98	160	83	100
Unit 7	3.56	38.88	175	120	140
	14.64	151.67			575
Bhusawal					
Unit 1	1.18	12.23	56	34	50
Unit 2	0.04	2.87	25	0	0
Unit 3	2.98	40.82	180	0	150
	4.20	55.92			200
Parli					
Unit 1	0.59	5.88	26	18	25
Unit 2	0.56	5.13	24	16	25
Unit 3	3.68	34.56	169	140	160
Unit 4	3.96	47.56	189	146	175
Unit 5	3.97	45.91	178	152	175
Unit 6	5.05	60.41	230	178	200
	17.81	199.45			760
Chandrapur					
Unit 1	3.78	45.21	166	121	170
Unit 2	3.51	27.26	152	113	150
Unit 3	4.64	50.55	204	186	200
Unit 4	4.62	54.30	201	165	210
Unit 5	9.84	109.09	440	380	450
Unit 6	9.36	102.07	430	360	425
Unit 7	10.23	115.23	446	379	450
	45.99	503.71			2055
Paras					
Unit 2	0.00	4.72	0	0	0
Unit 3	4.94	49.66	218	194	200
	4.94	54.37			200
Khaparkheda					
Unit 1	4.10	51.48	205	0	199
Unit 2	4.18	47.98	187	145	189
Unit 3	3.91	44.99	181	135	145
Unit 4	4.90	55.47	211	194	208
	17.08	199.92			741
Nasik					
Unit 1	1.96	23.39	94	44	85
Unit 2	2.06	18.54	97	62	90
Unit 3	4.54	55.12	209	154	190
Unit 4	4.48	52.96	200	173	200
Unit 5	4.16	51.80	190	126	190
	17.21	201.80			755
Uran					
All Units	15.29	172.43	668	471	600
	15.29	172.43			600
Koyna					
Stage 1-2	1.94	19.36	380	35	600
Stage 4	3.89	16.77	888	0	250
Kovna 12&4 Total	5.83	36.13			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	1.27	10.65	320	0	320
	7.10	46.78			1170
Hydro					
KDPH	0.95	4.81	40	39	36
VTRNA	0.00	0.12	0	0	0
TILLARI	0.39	6.00	58	0	60
BHTGR/VEER	0.18	2.75	8	7	0
BHIRA T.R.	0.02	2.38	16	0	40
RNGR+BHTSA	0.21	2.19	15	0	18
BHANDARDRA	0.59	3.42	52	14	34
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	0.69	9	0	0
GHATGHAR	0.68	2.17	125	0	0
	3.08	24.53			188
PENCH (MS)					
Pench (MS)	0.92	5.73	54	10	
	0.92	5.73			
Wind					
MalharPeth	0.16	5.40			
Vankuswadi	0.36	9.09			
ATIT	0.06	3.52			
Kale	0.02	2.18			
Satara	0.14	8.44			
Shirala	0.13	3.65			
K Mahankal	0.22	2.32			
Supa	0.07	1.86			
Vita	0.30	15.53			
Dondaicha	-0.04	24.39			
Sakri	0.00	4.38			
Nandurbar	0.00	3.20			
Khadakale	0.26	5.08			
Khaparale	0.06	5.57			
	1.73	94.62			
Dabhol					
RGPP L II	22.38	259.64	940	927	900
RGPP L III	0.00	0.00	0	0	
	22.38	259.64			900
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.88	103.58	495	490	500
Trombay 6	10.87	117.92	510	200	500
Trombay 7A	2.87	31.65	124	114	100
Trombay 7B	1.59	18.10	67	65	80
Trombay 8	2.74	44.36	240	0	0
TATA Hydro	1.24	20.75	154	0	447
	31.18	336.36			1627
REL					
1&2	12.57	150.33	527	521	500
	12.57	150.33			500
Cent Sect					
Share					3437
					3437

MS PG CL	Thermal	121.86	1366.85		5286
	Thml+Gas	137.15	1539.28		5886
	Hydro	10.18	71.32		1358
	Total	147.33	1610.60		7244
State Total		216.11	2457.28		13708

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 12/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	4802	100	646	5548	939	94	2394	2727	-67	-30	9288	1070	10358	1710	12068	49.82
2	4842	110	648	5600	940	79	2243	2304	71	115	9048	1092	10140	1575	11715	49.89
3	4843	134	653	5630	939	64	2120	2249	165	217	9109	952	10061	1464	11525	49.96
4	4907	132	650	5689	930	81	2120	2269	165	219	9198	1045	10243	1452	11695	49.97
5	4971	95	653	5719	935	90	2120	2264	165	218	9236	1051	10287	1442	11729	49.81
6	4988	240	652	5880	935	116	2167	2536	118	167	9661	1256	10917	1492	12409	49.52
7	5145	140	662	5947	930	151	2367	2263	-23	15	9333	1843	11176	1615	12791	49.66
8	5264	112	667	6043	931	154	2581	2425	-117	-88	9505	1829	11334	1744	13078	49.79
9	5189	127	662	5978	927	113	2656	2675	-187	-162	9584	1968	11552	2025	13577	49.72
10	5226	218	652	6096	932	110	2962	2755	-551	-525	9421	2369	11790	2392	14182	49.73
11	5178	377	636	6191	935	106	3507	3358	-774	-759	9885	2108	11993	2696	14689	49.58
12	5169	435	624	6228	935	85	3509	3513	-774	-751	10063	1886	11949	2721	14670	49.50
13	5151	422	611	6184	935	81	3508	3562	-774	-736	10080	1809	11889	2719	14608	49.34
14	5178	364	616	6158	928	80	3507	3667	-774	-735	10151	1792	11943	2649	14592	49.53
15	5151	640	610	6401	928	54	3505	3359	-774	-736	10059	1981	12040	2691	14731	49.32
16	5147	400	626	6173	930	39	3506	3259	-774	-741	9714	2408	12122	2742	14864	49.63
17	4854	149	471	5474	930	36	3522	3027	-789	-755	8732	2581	11313	2690	14003	49.52
18	5104	363	624	6091	928	23	3441	3462	-714	-677	9869	2437	12306	2633	14939	49.26
19	5117	1452	640	7209	932	27	3351	3461	-621	-583	11066	2376	13442	2647	16089	49.60
20	5107	1624	651	7382	932	24	3425	3650	-621	-569	11472	2040	13512	2651	16163	49.92
21	5230	964	652	6846	927	22	3428	4081	-621	-568	11361	1681	13042	2497	15539	49.70
22	5151	873	654	6678	932	28	3432	3910	-621	-565	11037	1681	12718	2341	15059	49.79
23	5088	574	661	6323	932	26	3458	3856	-648	-595	10595	1407	12002	2215	14217	49.61
24	5062	133	668	5863	935	38	3349	3727	-609	-557	10059	704	10763	2133	12896	49.82
MUs	121.86	10.18	15.29	147.33	22.38	1.72	72.18	74.36	-10.15	-9.18	237.53	41.37	278.89	52.94	331.83	49.67

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 12/Oct/2009

Position as on 6.30 Hrs of 13/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
Koradi Unit 4	115	07/10/2009	00.06		Continued.	Maintenance work.	13/10/2009
Paras Unit 2	55	11/10/2009	13:29		Continued.	AOH.	05/11/2009
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 GT2B	106	05/10/2009	23:55	12/10/2009	10.05	Set W/DN.	
Bhusawal Unit 2	210	06/10/2009	16.35	12/10/2009	21.56	Boiler Tube Leakage.	
Tata Trombay 8	250	09/10/2009	13:23	12/10/2009	06.37	Condensor filter work.	
Bhusawal Unit 3	210	09/10/2009	23:17	12/10/2009	02:28	To attend G.T. neutral bushing hot spot.	
Bhusawal Unit 3	210	12/10/2009	02:31	12/10/2009	03:19	Trip on Low Vaccume.	
Khaparkheda Unit 1	210	12/10/2009	21.09	13/10/2009	03.11	Hot Spot on B-Ph CT On GT Side.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 12/Oct/2009

Position as on 6.30 Hrs of 13/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	12/10/2009	12.36	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 Ckt I	11/10/2009	23:01	12/10/2009	08.34	H/T for O/V.
Kolhapur-Mapusa-II	13/10/2009	01.34		Continued.	H/T For O/V.
Voltage Level : 220KV			Outage Type TRIPPED		
Mudshingi-Ponda	09/10/2009	17:10	12/10/2009	18.50	Cross arm bending at Loc. No.44 and conductor snapped at Loc. No.45.
HALKARNI-TILLARY	12/10/2009	08.32	12/10/2009	09.17	Distance Protection.
TILLARY-PHONDA	12/10/2009	08.32	12/10/2009	13.15	Distance Protection.
Nasik-Navsari -II	13/10/2009	05:50		Continued.	Tripped on Distance Protection(Bph to E)
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Koradi-Chandrapur	06/10/2009	06.49	12/10/2009	17.30	Tower erection 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.
Butibori - Wardha	10/10/2009	10:15		Continued.	Line on TBC own CB overhauling at Wardha end.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Raymond-Washala	12/10/2009	08.45	12/10/2009	16.12	Insulator Replacement at LOC.No.241
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha-Badnera	03/10/2009	21.48		Continued.	H/T to load 400 KV Akola ICT.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Pardi-Uppalwadi	01/10/2009	17:14		Continued.	To Control 132kv Ambazari-Mankapur ckt flow.
Voltage Level : 500KV			Outage Type TRIPPED		
Chandrapur - Padgha Pole -I	12/10/2009	05:27	12/10/2009	15.37	Y Ph Bucholz relay trip.
Voltage Level : 220KV			Outage Type TRIPPED		
Sonkar - Nerul	12/10/2009	11.14	12/10/2009	11.46	Distance Protection.
Trombay - Sonkar	12/10/2009	11.14	12/10/2009	11.37	Distance Protection.
Sonkar - Nerul	12/10/2009	12.01	12/10/2009	12.10	Distance Protection.
Trombay - Sonkar	12/10/2009	12.01	12/10/2009	14.09	Distance Protection.
Pedambe-Kharepatan	12/10/2009	13.56	12/10/2009	14.25	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
132/33 KV 25 MVA T/F - I @ Bhusawal	27/09/2009	17.36		Continued.	Transformer Caught Fire.
NANDED-ILCHPUR	12/10/2009	05.10	12/10/2009	05.45	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 13/Oct/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	70
Unit 3	105	70
Unit 4	105	0
Unit 5	200	140
Unit 6	210	150
Unit 7	210	160
	1040	660
Bhusawal		
Unit 1	58	50
Unit 2	210	120
Unit 3	210	190
	478	360
Parli		
Unit 1	30	25
Unit 2	30	25
Unit 3	210	155
Unit 4	210	170
Unit 5	210	170
Unit 6	250	200
	940	745
Chandrapur		
Unit 1	210	170
Unit 2	210	150
Unit 3	210	180
Unit 4	210	205
Unit 5	500	450
Unit 6	500	400
Unit 7	500	450
	2340	2005
Paras		
Unit 2	55	0
Unit 3	250	200
	305	200
Khaparkheda		
Unit 1	210	185
Unit 2	210	175
Unit 3	210	185
Unit 4	210	210
	840	755
Nasik		
Unit 1	120	70
Unit 2	120	90
Unit 3	210	205
Unit 4	210	195
Unit 5	210	185
	870	745
Uran		
All Units	852	650
	852	650
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	36
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	20
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	40
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	221
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		
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	110
Trombay 7B	60	110
Trombay 8	250	160
TATA Hydro	444	447
	2024	1827
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3238
	3143	3238

	17616	13976
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