



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

State Load Dispatch Center, Airoli

Daily system Report

for

09/Jan/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 09/Jan/2010 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	121.022	1136.541	1) Madhya Pradesh	57.482	534.419
2) Hydro	10.671	93.027	2) Gujrat	20.383	153.608
3) Gas	14.476	129.634	3) Goa	-6.405	-57.831
Total MSGENCO	146.169	1359.202	4) TAPS 1&2 (Inj.)	3.655	29.244
B) OTHERS			5) Pench (Excess)	-0.467	-2.199
1) RGPPL Gas	30.510	218.437	# Total Cent. Sector	74.648	657.241
2) Wind Generation	1.956	24.914	F) Other Exchanges		
3) PENCH (MS)	0.467	2.199	1) With TPCL	-3.689	-31.930
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	20.627	199.130	1) MSEDCL Bilateral	7.241	55.258
2) TPCL Hydro	5.820	44.166	Include PX	1.241	1.241
TOTAL TPCL	26.447	243.296	2) MUMBAI Bilateral	4.605	38.087
3) REL Thermal	12.707	114.297	Include PX	1.927	21.124
D) STATE			3) MUMBAI Schedule	4.605	38.087
1) Thermal (A1+C1+C3)	154.356	1449.968	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	16.958	139.392	1) MSEDCL	250.061	2230.063
3) Gas (A3+B1)	44.986	348.071	2) TPCL	27.540	254.011
4) Wind (B2)	1.956	24.914	3) REL	15.300	135.694
TOTAL STATE	218.256	1962.345	TOTAL STATE	292.901	2619.768

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5152	5086	4992
MSGENCO Hydro	812	1352	89
MSGENCO Gas	627	518	663
MSGENCO Total Generation	6591	6956	5744
Central Sector Receipt	3201	3314	2200
RGPPL	1261	1251	1302
WIND	157	50	81
Exchange with TPCL	-187	-350	-13
MSEDCL DEMAND MET	11050	11274	9324
Load Shedding	3163	3669	1218
MSEDCL DEMAND (INCL. LS)	14213	14943	10542
TPCL GENERATION	1399	1311	716
REL GENERATION	527	527	531
TPCL+REL DEMAND	2113	2188	1260
STATE DEMAND MET	13163	13462	10584
STATE DEMAND (INCL. LS)	16326	17131	11802
Frequency (Hz)	49.32	49.30	49.89
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4400 MW At 19.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			74.47 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.3 Hz at 06.05 Hrs	48.78 Hz at 09.25 Hrs	49.53	3.44 % of Time

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and Mumbai bilateral power.

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 09/Jan/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.93	16.88	88	71	80
Unit 2	1.70	14.74	77	63	70
Unit 3	0.01	10.30	12	0	0
Unit 4	1.70	13.93	85	53	70
Unit 5	3.89	33.98	180	145	160
Unit 6	0.41	25.14	122	0	0
Unit 7	4.32	35.76	195	160	170
	13.95	150.74			550
Bhusawal					
Unit 1	1.12	5.94	50	43	50
Unit 2	4.34	23.75	190	165	170
Unit 3	4.18	39.08	180	160	190
	9.63	68.78			410
Parli					
Unit 1	0.51	4.98	26	16	23
Unit 2	0.55	4.95	24	22	23
Unit 3	0.00	25.68	0	0	0
Unit 4	4.59	41.57	206	180	200
Unit 5	4.22	34.96	186	166	175
Unit 6	5.63	49.75	250	161	240
	15.50	161.89			661
Chandrapur					
Unit 1	3.49	29.89	151	133	150
Unit 2	4.03	34.18	171	163	165
Unit 3	4.02	33.78	190	123	180
Unit 4	0.48	26.12	118	0	0
Unit 5	10.56	92.68	455	415	450
Unit 6	10.07	89.01	450	389	450
Unit 7	9.79	89.87	431	372	450
	42.43	395.53			1845
Paras					
Unit 2	1.14	8.44	49	46	46
Unit 3	5.14	47.01	238	179	225
	6.28	55.45			271
Khaparkheda					
Unit 1	0.00	22.60	0	0	0
Unit 2	4.66	40.85	204	184	190
Unit 3	5.04	43.68	215	198	210
Unit 4	5.00	42.12	217	185	210
	14.70	149.26			610
Nasik					
Unit 1	2.29	18.52	104	90	100
Unit 2	2.26	19.83	100	85	100
Unit 3	4.86	43.90	210	190	200
Unit 4	4.75	43.10	205	185	200
Unit 5	4.35	29.55	190	173	190
	18.52	154.90			790
Uran					
All Units	14.48	129.63	665	500	620
	14.48	129.63			620
Koyna					
Stage 1-2	1.88	17.86	230	25	530
Stage 4	5.31	34.09	786	0	250
Koyna 12&4 Total	7.20	51.94			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	1.39	10.97	296	0	240
	8.59	62.92			1020
Hydro					
KDPH	0.00	2.06	0	0	0
VTRNA	0.04	0.04	37	0	0
TILLARI	0.36	3.27	60	0	60
BHTGR/VEER	1.01	8.67	42	42	42
BHIRA T.R.	0.33	2.02	82	0	80
RNGR+BHTSA	0.29	2.79	12	12	12
BHANDARDRA	0.00	5.19	0	0	0
ELDARY	0.00	0.71	0	0	0
PAITHAN	0.06	0.46	10	0	10
GHATGHAR	0.00	4.92	0	0	0
	2.08	30.11			204
PENCH (MS)					
Pench (MS)	0.47	2.20	53	0	
	0.47	2.20			
Wind					
MalharPeth	0.06	0.92			
Vankuswadi	0.23	2.39			
ATIT	0.03	0.44			
Kale	0.08	0.80			
Satara	0.04	0.82			
Shirala	0.08	0.82			
K Mahankal	0.11	0.69			
Supa	0.04	0.62			
Vita	0.51	4.62			
Dondaicha	0.26	7.19			
Sakri	0.04	0.85			
Nandurbar	0.07	0.82			
Khadakale	0.34	2.40			
Khaparale	0.06	1.54			
	1.96	24.91			
Dabhol					
RGPP L II	30.51	218.44	1302	1245	1230
RGPP L III		0.00			
	30.51	218.44			1230
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	19.68	0	0	0
Trombay 6	10.84	92.27	510	350	500
Trombay 7A	2.70	24.21	126	98	120
Trombay 7B	1.56	13.94	69	60	60
Trombay 8	5.53	49.03	252	150	250
TATA Hydro	5.82	44.17	481	0	447
	26.45	243.30			1377
REL					
1&2	12.71	114.30	533	527	500
	12.71	114.30			500
Cent Sect					
Share					3303
					3303

MS PG CL	Thermal	121.02	1136.54		5137
	Thml+Gas	135.50	1266.18		5757
	Hydro	10.67	93.03		1224
	Total	146.17	1359.20		6981
State Total		218.26	1962.34		13391

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 09/Jan/2010

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	4959	84	664	5707	1292	68	2726	2410	-44	-17	9460	1814	11274	1442	12716	49.96
2	4946	89	664	5699	1298	67	2623	2397	-44	-15	9446	1752	11198	1301	12499	49.98
3	4970	89	664	5723	1298	81	2623	2318	-44	-13	9407	1416	10823	1290	12113	49.85
4	4992	89	663	5744	1302	81	2623	2200	-44	-13	9324	1218	10542	1260	11802	49.89
5	5030	94	664	5788	1299	99	2623	2388	-44	-12	9589	1547	11136	1238	12374	49.84
6	5042	89	665	5796	1288	105	2731	2708	-44	-14	9908	2031	11939	1317	13256	49.64
7	5081	89	663	5833	1300	115	3009	2572	46	75	9940	2982	12922	1435	14357	49.85
8	5097	89	656	5842	1293	126	3009	2999	46	74	10364	3271	13635	1537	15172	49.66
9	5148	173	654	5975	1285	136	3004	3111	40	76	10603	3477	14080	1720	15800	49.43
10	5111	214	622	5947	1266	143	3255	3034	-208	-174	10243	3524	13767	1972	15739	49.26
11	5152	812	627	6591	1261	157	3258	3201	-217	-187	11050	3163	14213	2113	16326	49.32
12	5084	489	624	6197	1255	104	3409	3353	-271	-236	10700	3291	13991	2180	16171	49.12
13	5074	531	618	6223	1252	61	3504	3540	-271	-229	10859	3307	14166	2136	16302	49.25
14	5029	665	615	6309	1258	52	3496	3559	-271	-232	10946	3318	14264	2012	16276	49.32
15	4956	680	612	6248	1250	54	3483	3495	-271	-230	10817	3383	14200	2027	16227	49.32
16	4936	637	601	6174	1245	56	3483	3523	-271	-232	10766	3404	14170	2023	16193	49.28
17	4944	702	575	6221	1246	58	3490	3602	-271	-233	10894	3308	14202	2031	16233	49.26
18	4983	815	550	6348	1256	36	3527	3793	-271	-247	11233	3055	14288	2045	16333	49.50
19	5040	1148	529	6717	1256	43	3094	3708	-388	-342	11435	3447	14882	2151	17033	49.46
20	5086	1352	518	6956	1251	50	3204	3314	-388	-350	11274	3669	14943	2188	17131	49.30
21	5056	1245	517	6818	1255	61	3161	3329	-343	-289	11204	3360	14564	2083	16647	49.32
22	5109	291	500	5900	1260	59	3482	3435	-343	-284	10397	3386	13783	1947	15730	49.49
23	5117	126	507	5750	1269	77	3160	3373	-343	-282	10194	3039	13233	1754	14987	49.63
24	5070	79	504	5653	1275	67	3131	3286	-343	-283	9998	2128	12126	1641	13767	49.79
MUs	121.01	10.67	14.48	146.16	30.51	1.96	75.11	74.65	-4.61	-3.69	250.05	68.29	318.34	42.84	361.18	49.53

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 09/Jan/2010

Position as on 6.30 Hrs of 10/Jan/2010

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
Tata Trombay 5	500	03/01/2010	00.57		Continued.	AOH	01/02/2010
Cent_Sect TARAPUR-4	540	03/01/2010	08.26	09/01/2010	17.36	Maintenance Work.	
Koyna Unit 2	75	03/01/2010	08:00		Continued.	checking bearing vibration & realignment work.	19/01/2010
Khaparkheda Unit 1	210	05/01/2010	23.57		Continued.	AOH	09/02/2010
Koradi Unit 3	105	09/01/2010	00.17		Continued.	COH.	21/03/2010
FORCED OUTAGE							
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	31/03/2010
Dabhol 1B	230	22/01/2009	12.05		Continued.	BHMS Installation work	12/01/2010
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Uran Unit 3	60	05/07/2009	21.12		Continued.	Stator Earth Fault	
Tata Trombay 4	150	01/12/2009	19:16		Continued.	Low Demand.	
Cent_Sect Tarapur 1	80	09/12/2009	09:22		Continued.	Condenser Tube Leakage.	02/02/2010
Chandrapur Unit 4	210	07/01/2010	06:04	09/01/2010	16.16	Boiler Tube Leakage.	
Koradi Unit 6	210	07/01/2010	22.45	09/01/2010	17.03	PA fan problem.	
Parli Unit 3	210	07/01/2010	23.37		Continued.	Drum safty valve testing.	11/01/2010
Nasik Unit 1	125	10/01/2010	23.15		Continued.	H.P.Heater line leakage	12/01/2010

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 09/Jan/2010

Position as on 6.30 Hrs of 10/Jan/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
NASIK-NAVASARI-II	08/01/2010	17.37	09/01/2010	13.55	Distance protection.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Wardha - II	16/12/2009	13:00		Continued.	H/T.
Dhule-Sar'Sarovar - II	09/01/2010	21.18	10/01/2010	13.35	Taken on TBC to attend Red Hot on isolator.
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Sar'Sarovar - I	17/12/2009	17.08	09/01/2010	16.13	Tower 3 and 4 Collapsed.
Dhule-Sar'Sarovar - II	17/12/2009	22:33	09/01/2010	16.19	Tower 3 and 4 Collapsed.
Voltage Level : 220KV			Outage Type TRIPPED		
Nasik-Navsari-I	09/01/2010	21.04	09/01/2010	21.42	Tripped on distance protection.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 315 MVA ICT - II @ Koradi.	04/01/2010	10.38		Continued.	400KV Main Breaker Overhaul. H.V.side of ICT on TBC
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
220/132KV 100MVA ICT-II at Parli-II	26/12/2009	09.10		Continued.	Replacement of H.V./L.V.Breaker
Padghe - Nashik - II	09/01/2010	08.22	10/01/2010	22.30	Conductor replacement work.
Lonikand-Ranjangaon	09/01/2010	09.25	09/01/2010	13.06	Replacement of backup relay.
BBLSR II- BBL SRL CKT. I	09/01/2010	10.09	09/01/2010	15.49	Q.M.work.
Uran-ONGC	09/01/2010	10.23	09/01/2010	16.33	R.M.Work.
Pedambe - Pophali - II	10/01/2010	10.30	10/01/2010	13.50	To attend Hot Spot
Pedambe-Pophali I	10/01/2010	13.53	10/01/2010	16.50	To attend Red Hot
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	07/01/2010	18.04		Continued.	Hand Tripped To Control Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Aurangabad - Bhenda	12/12/2009	09.39		Continued.	H/T at A'Bad to control ICT loading
Wardha-Badnera	07/01/2010	17.37		Continued.	H/T due to Chandrapur ICT outage to control ICT loading.
Voltage Level : 400KV			Outage Type TRIPPED		
New Koyna - Koyna Stage IV - II	10/01/2010	13.54	10/01/2010	14.50	Over Voltage
New Koyna - Koyna Stage IV - II	10/01/2010	17.52	10/01/2010	18.46	Over Voltage
New Koyna - Koyna Stage IV - II	10/01/2010	23.47		Continued.	Tripped on Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
Babaleshwar - Nagar - II	09/01/2010	05.15	09/01/2010	05.40	Distance Protection.
K'gaon-Lonand	10/01/2010	17.52	10/01/2010	18.46	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Nandurbar - Rly TSS - I	10/01/2010	08.25	10/01/2010	12.05	R phase P.T.Burst
Dondaicha - Nandurbar	10/01/2010	08.25	10/01/2010	09.15	R phase P.T.of Rly TSS Burst.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 10/Jan/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	85
Unit 2	105	70
Unit 3	105	0
Unit 4	105	70
Unit 5	200	160
Unit 6	210	155
Unit 7	210	180
	1040	720
Bhusawal		
Unit 1	58	50
Unit 2	210	185
Unit 3	210	190
	478	425
Parli		
Unit 1	30	23
Unit 2	30	23
Unit 3	210	0
Unit 4	210	200
Unit 5	210	180
Unit 6	250	240
	940	666
Chandrapur		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	150
Unit 4	210	170
Unit 5	500	450
Unit 6	500	450
Unit 7	500	400
	2340	1920
Paras		
Unit 2	55	45
Unit 3	250	225
	305	270
Khaparkheda		
Unit 1	210	0
Unit 2	210	190
Unit 3	210	210
Unit 4	210	210
	840	610
Nasik		
Unit 1	120	95
Unit 2	120	95
Unit 3	210	205
Unit 4	210	205
Unit 5	210	185
	870	785
Uran		
All Units	852	480
	852	480
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	320
	1920	1100
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	0
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	42
BHIRA T.R.	80	80
RNGR+BHTSA	20	12
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	204
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		
RGPPPL II	960	1160
RGPPPL III	740	
	1700	1160
Tata		
Trombay 4	150	0
Trombay 5	500	0
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1377
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3122
	3143	3122

	17616	13339
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