



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

State Load Dispatch Center, Airoli

Daily system Report

for

02/Jan/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 02/Jan/2009 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	117.580	237.773	1) Madhya Pradesh	66.010	128.771
2) Hydro	6.947	11.392	2) Gujrat	13.324	26.282
3) Gas	11.638	25.961	3) Goa	-5.411	-10.524
Total MSGENCO	136.165	275.126	4) TAPS 1&2 (Inj.)	3.665	7.310
B) OTHERS			5) Pench (Excess)	-0.031	-0.031
1) RGPPL Gas	11.275	26.383	# Total Cent. Sector	77.557	151.808
2) Wind Generation	2.074	3.282	F) Other Exchanges		
3) PENCH (MS)	0.031	0.031	1) With TPCL	-0.644	1.494
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	24.764	48.771	1) MSEDCL Bilateral	10.386	21.346
2) TPCL Hydro	3.628	6.923	Include PX	2.690	5.376
TOTAL TPCL	28.392	55.694	2) MUMBAI Bilateral	2.050	1.604
3) REL Thermal	12.367	25.060	Include PX	0.000	0.000
D) STATE			3) MUMBAI Schedule	2.050	1.604
1) Thermal (A1+C1+C3)	154.711	311.604	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	10.606	18.346	1) MSEDCL	226.458	458.155
3) Gas (A3+B1)	22.913	52.344	2) TPCL	28.042	53.675
4) Wind (B2)	2.074	3.282	3) REL	13.360	25.584
TOTAL STATE	190.304	385.576	TOTAL STATE	267.860	537.414

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 1 Hrs
MSGENCO Thermal	5107	4937	4216
MSGENCO Hydro	249	1123	124
MSGENCO Gas	469	488	497
MSGENCO Total Generation	5825	6548	4837
Central Sector Receipt	3536	3635	2514
RGPPL	341	337	629
WIND	136	65	69
Exchange with TPCL	-182	-201	163
MSEDCL DEMAND MET	9673	10384	8212
Load Shedding	4552	3698	125
MSEDCL DEMAND (INCL. LS)	14225	14082	8337
TPCL GENERATION	1363	1458	826
REL GENERATION	526	514	528
TPCL+REL DEMAND	2071	2173	1191
STATE DEMAND MET	11744	12557	9403
STATE DEMAND (INCL. LS)	16296	16255	9528
Frequency (Hz)	49.26	49.36	50.27
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4726 MW at 13.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			71.39 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.63 Hz at 04.01 Hrs	48.86 Hz at 16.30 Hrs	49.61	.62 % 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 02/Jan/2009

Generating unit	Generation				OLC (MW)	Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)			Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi						Stage 3	0.81	0.91	274	0	320
Unit 1	1.09	1.15	80	0	0		3.74	5.52			1170
Unit 2	1.96	3.92	87	63	75	Hydro					
Unit 3	1.98	3.96	88	74	85	KDPH	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0	VTRNA	0.49	1.03	60	0	60
Unit 5	0.00	3.48	0	0	0	TILLARI	0.29	0.63	61	0	60
Unit 6	3.91	6.55	179	143	160	BHTGR/VEER	1.15	2.30	48	48	47
Unit 7	4.53	8.24	208	144	170	BHIRA T.R.	0.13	0.25	41	0	40
	13.48	27.30			490	RNGR+BHTSA	0.38	0.69	16	16	10
Bhusawal						BHANDARDRA	0.00	0.00	0	0	0
Unit 1	1.22	2.49	57	42	50	ELDARY	0.00	0.00	0	0	0
Unit 2	4.30	8.63	195	150	180	PAITHAN	0.07	0.13	12	0	10
Unit 3	3.93	8.43	199	75	70	GHATGHAR	0.70	0.84	125	0	0
	9.46	19.55			300		3.21	5.87			227
Parli						PENCH (MS)					
Unit 1	0.61	1.19	31	20	25	Pench (MS)	0.03	0.03	17	0	
Unit 2	0.61	1.22	30	22	25		0.03	0.03			
Unit 3	3.59	6.86	178	126	150	Wind					
Unit 4	4.22	7.79	200	134	160	MalharPeth	0.09	0.17			
Unit 5	0.00	0.00	0	0	0	Vankuswadi	0.21	0.37			
Unit 6	4.37	9.64	237	-12	250	ATIT	0.02	0.03			
	13.40	26.69			610	Kale	0.04	0.07			
Chandrapur						Satara	0.07	0.12			
Unit 1	4.07	8.14	175	145	165	Shirala	0.05	0.07			
Unit 2	3.90	7.90	172	145	165	K Mahankal	0.02	0.03			
Unit 3	5.10	10.17	215	200	210	Supa	0.06	0.08			
Unit 4	4.54	9.13	210	150	180	Vita	0.32	0.48			
Unit 5	9.69	19.62	464	334	450	Dondaicha	0.87	1.33			
Unit 6	9.70	19.53	442	330	425	Sakri	0.15	0.23			
Unit 7	9.15	18.54	440	300	400	Nandurbar	0.08	0.14			
	46.15	93.03			1995	Khadakale	0.03	0.05			
Paras						Khaparale	0.07	0.13			
Unit 2	1.05	2.04	46	40	30		2.07	3.28			
Unit 3	4.39	9.22	200	165	170	Dabhol					
	5.45	11.26			200	RGPPPL II	11.28	26.38	629	336	300
Khaparkheda						RGPPPL III		0.00	0	0	
Unit 1	4.42	9.04	208	150	200		11.28	26.38			300
Unit 2	4.42	9.04	204	156	200	Tata					
Unit 3	4.46	9.11	211	150	200	Trombay 4	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0	Trombay 5	12.12	24.24	505	505	500
	13.29	27.18			600	Trombay 6	9.37	17.13	510	150	500
Nasik						Trombay 7A	1.91	4.50	90	72	110
Unit 1	2.27	4.37	103	84	91	Trombay 7B	1.36	2.90	60	54	55
Unit 2	0.00	0.00	0	0	0	TATA Hydro	3.63	6.92	343	2	447
Unit 3	5.01	9.96	216	190	187		28.39	55.69			1612
Unit 4	4.74	9.55	212	165	182	REL					
Unit 5	4.34	8.87	192	152	172	1&2	12.37	25.06	529	354	500
	16.36	32.75			632		12.37	25.06			500
Uran						Cent Sect					
All Units	11.64	25.96	527	432	500	Share					3087
	11.64	25.96			500						3087
Koyna						MS					
Stage 1-2	1.49	3.17	145	35	600	Thermal+Gas	129.22	263.73			5327
Stage 4	1.44	1.44	475	0	250	PG	6.95	11.39			1397
	2.93	4.61			850	CL	136.16	275.13			6724
Koyna 12&4 Total						State Total	190.30	385.58			12223

State Load Dispatch Center, Airoli (MSETCL)

Hourly Load Data As on 02/Jan/2009

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CS SHARE	CS RECPT	TPCL SCH.	TPCL NET EXCH.	MSEDCL DEMAND MET	# LOAD SHED.	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS	FREQ. (Hz)
	THM	HY	GAS													
1	4216	124	497	4837	629	69	2736	2514	112	163	8212	125	8337	1191	9528	50.27
2	4267	104	498	4869	629	87	2735	2504	112	163	8252	125	8377	1171	9548	50.24
3	4382	109	497	4988	628	96	2735	2721	112	163	8596	125	8721	1172	9893	50.35
4	4695	109	497	5301	627	97	2736	2735	112	157	8917	125	9042	1178	10220	50.31
5	4739	109	497	5345	627	101	2640	2957	207	261	9291	125	9416	1075	10491	50.13
6	4902	109	498	5509	627	124	2813	3359	130	177	9796	687	10483	1157	11640	49.79
7	5081	125	516	5722	628	132	2791	3335	145	192	10009	2029	12038	1269	13307	49.85
8	5145	169	522	5836	405	119	3066	3834	287	360	10554	2788	13342	1307	14649	49.50
9	5220	269	527	6016	338	129	3230	3398	25	93	9974	3853	13827	1736	15563	49.28
10	5244	267	502	6013	338	127	3433	3455	-215	-151	9782	4261	14043	1999	16042	49.37
11	5107	249	469	5825	341	136	3444	3536	-246	-182	9673	4552	14225	2071	16296	49.26
12	5011	181	449	5641	336	136	3571	3368	-204	-137	9358	4532	13890	2151	16041	49.50
13	5004	124	459	5587	336	84	3567	3681	-204	-154	9534	4412	13946	2135	16081	49.37
14	4996	99	459	5554	337	64	3582	3633	-216	-165	9423	4429	13852	2056	15908	49.50
15	4962	227	462	5651	337	43	3419	3526	-265	-212	9345	4259	13604	2086	15690	49.34
16	4875	363	468	5706	336	31	3533	3552	-213	-162	9463	4349	13812	2036	15848	49.36
17	4781	675	468	5924	338	32	3558	3555	-189	-136	9713	4059	13772	2049	15821	49.25
18	4949	819	483	6251	338	44	3452	3424	-257	-198	9859	4014	13873	2078	15951	49.24
19	4937	1123	488	6548	337	65	3605	3635	-263	-201	10384	3698	14082	2173	16255	49.36
20	5106	749	489	6344	355	53	3254	3414	-249	-190	9976	4077	14053	2148	16201	49.37
21	5212	447	484	6143	532	62	3220	3186	-213	-144	9779	3818	13597	2008	15605	49.43
22	5029	159	487	5675	622	60	3154	3014	-145	-76	9295	3592	12887	1844	14731	49.42
23	4904	134	490	5528	625	61	3290	2734	-239	-163	8785	3160	11945	1761	13706	49.43
24	4816	104	432	5352	629	87	3020	2477	-174	-102	8443	2640	11083	1552	12635	49.66
MUs	117.58	6.95	11.64	136.16	11.28	2.04	76.58	77.55	-2.05	-0.64	226.41	69.83	296.25	41.40	337.65	49.61

NOTE : ALL VALUES IN MW

TPCL Sch./Net Exch is shown with reference to MSETCL System. (+) indicates TPCL to MSETCL and (-) indicates MSETCL to TPCL. TPCL Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL loss for export)
Without Applying Load Diversity Factor

State Load Dispatch Center, Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 02/Jan/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 Tarapur 1	80	03/11/2008	22.17		Continued.	Annual Overhaul	15/01/2009
Nasik Unit 2	125	29/11/2008	14.25		Continued.	Annual Overhaul	06/01/2009
Khaparkheda Unit 4	210	09/12/2008	23:51		Continued.	Annual Overhaul	06/01/2009
Parli Unit 5	210	20/12/2008	10.08		Continued.	Annual Overhaul	20/01/2009
FORCED OUTAGE							
Dabhol 2A	230	19/01/2008	02.40		Continued.	Tripped	
Uran Unit 4	60	01/04/2008	00:00		Continued.	Gas Restriction	
Uran Unit 2	60	04/10/2008	19.00		Continued.	Gas Restriction	
Uran Unit 3	60	23/10/2008	06.40		Continued.	Gas Restriction	
Dabhol 3A	230	08/11/2008	13.45		Continued.	Exhaust temp.& vibn.high	08/02/2009
Dabhol 3B	230	19/11/2008	19.55		Continued.	W/dn	15/02/2009
Dabhol 3X	290	19/11/2008	19.58		Continued.	W/dn	15/02/2009
Koradi Unit 1	105	01/01/2009	10.23	02/01/2009	06.30	Red Hot in wind box.	
Koradi Unit 5	200	01/01/2009	23.05	03/01/2009	09.38	Economizer Tube leakage	
Uran Unit 8	108	02/01/2009	00.25	02/01/2009	06.30	Vibration problem.	
Dabhol 1X	290	02/01/2009	07.05	02/01/2009	19.32	Tripped,Electrical fault.	
Uran Unit 7	108	02/01/2009	10.45	02/01/2009	23.35	Gas Restriction	
Parli Unit 6	250	02/01/2009	15.51	02/01/2009	18.54	Drum Level Low	
REL 2	250	02/01/2009	24.00		Continued.	Problem in Boiler Drum Safety Valve.	06/01/2009
Uran Unit 8	108	03/01/2009	02.21		Continued.	Gas Restriction	
Khaparkheda Unit 1	210	03/01/2009	16.14	03/01/2009	21.58	Gen.Prot.Staator E/F.	

State Load Dispatch Center, Airoli (MSETCL)

Details of On Line Capacity for 03/Jan/2009

Generating unit	Derated Capacity (MW)	OLC (MW)	Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi			KDPH	40	0
Unit 1	105	80	VTRNA	60	60
Unit 2	105	80	TILLARI	60	60
Unit 3	105	75	BHTGR/VEER	21	47
Unit 4	105	0	BHIRA T.R.	80	40
Unit 5	200	0	RNGR+BHTSA	20	10
Unit 6	210	160	BHANDARDRA	45	0
Unit 7	210	180	ELDARY	23	0
	1040	575	PAITHAN	12	0
Bhusawal			GHATGHAR	250	0
Unit 1	58	50		611	217
Unit 2	210	150	PENCH (MS)		
Unit 3	210	150	Pench (MS)	53	
	478	350		53	
Parli			Wind		
Unit 1	30	20	MalharPeth	0	
Unit 2	30	20	Vankuswadi	0	
Unit 3	210	150	ATIT	0	
Unit 4	210	160	Kale	0	
Unit 5	210	0	Satara	0	
Unit 6	250	220	Shirala	0	
	940	570	K Mahankal	0	
Chandrapur			Supa	0	
Unit 1	210	165	Vita	0	
Unit 2	210	165	Dondaicha	0	
Unit 3	210	210	Sakri	0	
Unit 4	210	210	Nandurbar	0	
Unit 5	500	400	Khadakale	0	
Unit 6	500	375	Khaparale	0	
Unit 7	500	380		0	
	2340	1905	Dabhol		
Paras			RGPPL II	740	300
Unit 2	55	40	RGPPL III	740	
Unit 3	250	160		1480	300
	305	200	Tata		
Khaparkheda			Trombay 4	150	0
Unit 1	210	170	Trombay 5	500	500
Unit 2	210	170	Trombay 6	500	500
Unit 3	210	170	Trombay 7A	120	120
Unit 4	210	0	Trombay 7B	60	60
	840	510	TATA Hydro	444	423
Nasik				1774	1603
Unit 1	120	100	REL		
Unit 2	120	0	1&2	500	250
Unit 3	210	205		500	250
Unit 4	210	200	Cent Sect		
Unit 5	210	190	Share	3143	3450
	870	695		3143	3450
Uran					
All Units	852	450			
	852	450			
Koyna					
Stage 1-2	600	600			
Stage 4	1000	250			
Stage 3	320	320			
	1920	1170			
Hydro					
				17146	12245