



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

State Load Dispatch Center, Airoli

Daily system Report

for

31/Jan/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 31/Jan/2009 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	127.634	3779.500	1) Madhya Pradesh	68.083	2082.016
2) Hydro	10.990	319.539	2) Gujrat	17.602	473.951
3) Gas	13.470	371.724	3) Goa	-5.451	-168.619
Total MSGENCO	152.094	4470.763	4) TAPS 1&2 (Inj.)	7.241	159.998
B) OTHERS			5) Pench (Excess)	0.000	0.077
1) RGPPL Gas	7.303	378.158	# Total Cent. Sector	87.475	2547.423
2) Wind Generation	1.165	76.618	F) Other Exchanges		
3) PENCH (MS)	0.000	0.403	1) With TPCL	-6.476	-140.803
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	18.506	659.696	1) MSEDCL Bilateral	10.231	326.795
2) TPCL Hydro	3.737	116.741	Include PX	2.856	93.941
TOTAL TPCL	22.243	776.437	2) MUMBAI Bilateral	7.217	158.711
3) REL Thermal	12.725	372.664	Include PX	0.671	45.959
D) STATE			3) MUMBAI Schedule	7.217	158.761
1) Thermal (A1+C1+C3)	158.865	4811.860	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	14.727	436.683	1) MSEDCL	241.561	7332.965
3) Gas (A3+B1)	20.773	749.882	2) TPCL	27.356	862.331
4) Wind (B2)	1.165	76.618	3) REL	14.089	427.448
TOTAL STATE	195.530	6075.043	TOTAL STATE	283.006	8622.744

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	5414	5505	5271
MSGENCO Hydro	574	796	190
MSGENCO Gas	587	648	514
MSGENCO Total Generation	6575	6949	5975
Central Sector Receipt	3732	3700	3191
RGPPL	304	305	306
WIND	29	64	58
Exchange with TPCL	-437	-380	-20
MSEDCL DEMAND MET	10203	10638	9510
Load Shedding	4572	4194	0
MSEDCL DEMAND (INCL. LS)	14775	14832	9510
TPCL GENERATION	980	1264	726
REL GENERATION	530	531	531
TPCL+REL DEMAND	1947	2175	1277
STATE DEMAND MET	12150	12813	10787
STATE DEMAND (INCL. LS)	16722	17007	10787
Frequency (Hz)	49.21	49.39	49.64
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4881 MW At 14.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			84.15 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.32 Hz at 22.58 Hrs	48.95 Hz at 21.04 Hrs	49.51	1.12 % 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 31/Jan/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.23	34.68	70	28	50
Unit 2	1.53	52.79	78	44	60
Unit 3	0.00	23.85	0	0	0
Unit 4	1.50	42.40	83	39	60
Unit 5	3.62	100.81	176	139	150
Unit 6	3.30	110.90	168	82	140
Unit 7	3.34	116.68	189	82	140
	14.52	482.11			600
Bhusawal					
Unit 1	0.54	35.03	25	18	23
Unit 2	4.11	116.27	190	134	180
Unit 3	4.58	122.64	194	179	190
	9.22	273.93			393
Parli					
Unit 1	0.51	17.59	23	20	20
Unit 2	0.57	17.98	25	22	20
Unit 3	0.00	84.52	0	0	0
Unit 4	4.05	109.96	190	138	180
Unit 5	4.23	38.43	193	156	190
Unit 6	5.20	156.24	245	188	240
	14.57	424.72			650
Chandrapur					
Unit 1	0.00	121.04	0	0	0
Unit 2	4.11	120.36	174	170	170
Unit 3	5.10	157.06	212	170	210
Unit 4	4.54	144.12	198	167	190
Unit 5	10.80	314.17	477	415	470
Unit 6	10.43	312.67	481	348	470
Unit 7	10.78	300.57	483	398	470
	45.75	1469.99			1980
Paras					
Unit 2	1.07	27.22	47	41	40
Unit 3	5.43	125.18	246	190	200
	6.50	152.40			240
Khaparkheda					
Unit 1	4.82	139.54	207	196	200
Unit 2	4.71	141.23	202	174	200
Unit 3	4.96	140.57	212	202	200
Unit 4	4.52	54.91	195	176	200
	19.02	476.24			800
Nasik					
Unit 1	2.16	68.33	99	52	95
Unit 2	2.14	56.19	95	88	95
Unit 3	4.89	137.06	209	195	200
Unit 4	4.66	139.00	201	184	200
Unit 5	4.21	99.52	187	120	160
	18.06	500.11			750
Uran					
All Units	13.47	371.72	671	483	500
	13.47	371.72			500
Koyna					
Stage 1-2	2.54	55.94	300	40	600
Stage 4	2.57	98.61	507	0	250
Koyna 12&4 Total	5.11	154.55			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	1.19	32.88	170	0	240
	6.30	187.43			1090
Hydro					
KDPH	0.77	9.79	38	19	18
VTRNA	1.18	32.02	61	0	60
TILLARI	0.33	11.49	59	0	60
BHTGR/VEER	1.34	34.89	56	55	13
BHIRA T.R.	0.19	5.50	80	0	80
RNGR+BHTSA	0.37	11.77	16	15	0
BHANDARDRA	0.00	12.84	0	0	0
ELDARY	0.00	2.62	0	0	0
PAITHAN	0.06	1.60	12	0	0
GHATGHAR	0.44	9.59	125	0	0
	4.69	132.11			231
PENCH (MS)					
Pench (MS)	0.00	0.40	0	0	
	0.00	0.40			
Wind					
MalharPeth	0.11	4.73			
Vankuswadi	0.23	11.27			
ATIT	0.02	1.08			
Kale	0.06	3.59			
Satara	0.08	4.06			
Shirala	0.05	3.00			
K Mahankal	0.01	0.64			
Supa	0.05	2.04			
Vita	0.22	16.19			
Dondaicha	0.16	16.47			
Sakri	0.01	2.98			
Nandurbar	0.06	2.17			
Khadakale	0.10	6.58			
Khaparale	0.02	1.84			
	1.16	76.62			
Dabhol					
RGPP L II	7.30	378.16	308	300	300
RGPP L III	0.00	0.00	0	0	
	7.30	378.16			300
Tata					
Trombay 4	2.99	64.48	139	99	150
Trombay 5	11.98	372.62	500	480	500
Trombay 6	0.00	116.83	0	0	0
Trombay 7A	2.13	64.95	126	71	120
Trombay 7B	1.40	40.81	69	53	60
TATA Hydro	3.74	116.74	460	2	447
	22.24	776.44			1277
REL					
1&2	12.72	372.66	539	524	500
	12.72	372.66			500
Cent Sect					
Share					3728
					3728

MS PG CL	Thermal	127.63	3779.50		5413
	Thml+Gas	141.10	4151.22		5913
	Hydro	10.99	319.54		1321
	Total	152.09	4470.76		7234
State Total		195.53	6075.04		13039

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 31/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	5257	189	514	5960	308	49	3127	3054	-128	-100	9271	287	9558	1357	10915	49.63
2	5271	190	514	5975	306	58	3040	3191	-53	-20	9510	0	9510	1277	10787	49.64
3	5160	195	515	5870	305	64	3017	3350	-28	9	9598	94	9692	1246	10938	49.67
4	5242	190	516	5948	305	58	2969	3313	22	60	9684	900	10584	1196	11780	49.73
5	5243	190	516	5949	306	48	2966	3255	27	67	9625	1797	11422	1170	12592	49.47
6	5341	335	515	6191	308	40	2984	3330	-44	-9	9860	2829	12689	1266	13955	49.34
7	5438	276	520	6234	306	44	3047	3216	-119	-88	9712	3917	13629	1382	15011	49.37
8	5479	202	544	6225	306	37	3383	3355	-97	-65	9858	4163	14021	1429	15450	49.24
9	5486	223	560	6269	306	33	3382	3563	-97	-66	10105	4490	14595	1560	16155	49.55
10	5414	574	587	6575	304	29	3742	3732	-451	-437	10203	4572	14775	1947	16722	49.21
11	5385	544	592	6521	303	22	3768	3866	-482	-470	10242	4161	14403	2003	16406	49.37
12	5309	682	496	6487	300	20	3765	3960	-482	-470	10297	4192	14489	2101	16590	49.34
13	5295	805	484	6584	300	21	3761	4004	-482	-463	10446	4107	14553	2060	16613	49.70
14	5289	737	483	6509	300	26	3758	4088	-482	-456	10467	4111	14578	1988	16566	49.76
15	5248	802	496	6546	300	38	3756	4106	-482	-461	10529	3826	14355	1968	16323	49.77
16	5228	574	516	6318	301	55	3756	4182	-482	-460	10396	3850	14246	1963	16209	49.57
17	5307	620	537	6464	301	68	3756	4158	-482	-461	10530	3763	14293	1948	16241	49.46
18	5417	617	595	6629	303	93	3788	4013	-500	-477	10561	3650	14211	1940	16151	49.49
19	5499	693	625	6817	304	81	3728	3889	-422	-387	10704	3915	14619	1999	16618	49.51
20	5505	796	648	6949	305	64	3373	3700	-422	-380	10638	4194	14832	2175	17007	49.39
21	5474	608	658	6740	306	51	3372	3793	-420	-374	10516	3702	14218	2114	16332	49.48
22	5251	523	654	6428	306	46	3371	3693	-415	-372	10101	3712	13813	1949	15762	49.33
23	5131	277	650	6058	308	55	3433	3657	-413	-370	9708	3499	13207	1811	15018	49.59
24	5152	148	671	5971	306	62	3300	3404	-281	-226	9517	2800	12317	1597	13914	49.68
MUs	127.82	10.99	13.41	152.22	7.30	1.16	82.34	87.87	-7.22	-6.48	242.08	76.53	318.61	41.45	360.06	49.51

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 31/Jan/2009

Position as on 6.30 Hrs of 01/Feb/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
Tata Trombay 6	500	13/01/2009	00.11		Continued.	Capital overhaul	17/02/2009
Koradi Unit 3	105	18/01/2009	04.39		Continued.	Annual Overhaul	13/02/2009
Koyna Unit 12	80	20/01/2009	00.00		Continued.	Maintenance work	05/02/2009
Koyna ST-IV 1	250	20/01/2009	22:00		Continued.	Annual Overhaul	20/02/2009
FORCED OUTAGE							
Dabhol 2A	230	19/01/2008	02.40		Continued.	Tripped	01/07/2009
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	01/06/2009
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
Dabhol 1X	290	22/01/2009	12.03		Continued.	BHMS Installation work	08/02/2009
Dabhol 1B	230	22/01/2009	12.05		Continued.	BHMS Installation work	08/02/2009
Chandrapur Unit 1	210	30/01/2009	16.50		Continued.	Fire In Wind Box	02/02/2009
Uran Unit 5	108	31/01/2009	11.05	31/01/2009	16.34	Vibration problem.	
Uran Unit 5	108	01/02/2009	15.38	01/02/2009	20.22	Boiler Damper Desripancy.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 31/Jan/2009

Position as on 6.30 Hrs of 01/Feb/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		
DHULE-SAR'SAROVAR-I	17/01/2009	22:16	01/02/2009	15.20	H/T FOR O/V
Dhule-Sar'Sarovar II	01/02/2009	14.25		Continued.	H/T FOR O/V
KOLHAPUR-MAPUSA CKT II	01/02/2009	23.13		Continued.	H/T FOR O/V
Voltage Level : 220KV			Outage Type TRIPPED		
Tillary-Phonda	31/01/2009	04.55		Continued.	Tripped ,Dist.Prot.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Bhusawal- Koradi-I Main Brekar	30/01/2009	06.23		Continued.	O/H Work.
Dhule-Bblswr-II	31/01/2009	07.31	31/01/2009	22.13	Insulator Replacement
ICT-II at kharghar	31/01/2009	10.36	31/01/2009	19.33	Reactor Jumpering Work.
400 KV M.B.-II at Khargar	31/01/2009	10.54	31/01/2009	21.40	Reactor Jumpering Work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
ICT - III at Harangul	20/12/2008	14.53		Continued.	Detail Testing Work for Bucholz Alarm.
220/132 KV 150MVA ICT-II at Dhule	01/01/2009	11.10	31/01/2009	20.35	O/H (1 month outage)
52B Breaker interconnector at Kalwa	28/01/2009	09.30		Continued.	Breaker Replacement
220/132 KV 150 MVA ICT-I at Dhule	31/01/2009	10.05	31/01/2009	17.15	Replace of LV CTS
Nasik-Bablswr Ckt I	31/01/2009	12.06	31/01/2009	18.10	L.A.replacement work
Butibori-Indorama	31/01/2009	16.55	31/01/2009	19.40	Testing Work
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Pusad-Parbhani	30/01/2009	17.20	31/01/2009	09.21	Hand Tripped
Warora-Wardha	30/01/2009	17.20	31/01/2009	09.01	H/T To control C'pur ICT Loading.
PUSAD - PARBHANI	31/01/2009	22.33		Continued.	For Controlling C'pur ICT loading.
Voltage Level : 400KV			Outage Type TRIPPED		
Lonikand-Stage IV	30/01/2009	20.40	31/01/2009	07.45	TRIPPED ON O/V
KOYNA STG-IV-N.KOYNA CKT 1	01/02/2009	18.06	01/02/2009	18.42	TRIPPED ON O/V
Voltage Level : 220KV			Outage Type TRIPPED		
Urse-Sahara	31/01/2009	12.47	31/01/2009	13.14	Tripped ,Dist.Prot.
Voltage Level : 132KV			Outage Type TRIPPED		
Deepnagar - Yawal	01/02/2009	06.46	01/02/2009	10.03	Tripped on Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 01/Feb/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	25
Unit 2	105	25
Unit 3	105	0
Unit 4	105	50
Unit 5	200	160
Unit 6	210	150
Unit 7	210	160
	1040	570
Bhusawal		
Unit 1	58	25
Unit 2	210	160
Unit 3	210	190
	478	375
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	0
Unit 4	210	180
Unit 5	210	165
Unit 6	250	210
	940	595
Chandrapur		
Unit 1	210	0
Unit 2	210	160
Unit 3	210	210
Unit 4	210	190
Unit 5	500	450
Unit 6	500	440
Unit 7	500	370
	2340	1820
Paras		
Unit 2	55	50
Unit 3	250	230
	305	280
Khaparkheda		
Unit 1	210	200
Unit 2	210	200
Unit 3	210	200
Unit 4	210	200
	840	800
Nasik		
Unit 1	120	95
Unit 2	120	95
Unit 3	210	200
Unit 4	210	200
Unit 5	210	180
	870	770
Uran		
All Units	852	600
	852	600
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	36
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	13
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	249
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	740	300
RGPPPL III	740	
	1480	300
Tata		
Trombay 4	150	140
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	110
Trombay 7B	60	80
TATA Hydro	444	447
	1774	1277
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3306
	3143	3306

	17146	12532
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