



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

State Load Dispatch Center, Airoli

Daily system Report

for

31/Jan/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 31/Jan/2010 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	123.235	3801.288	1) Madhya Pradesh	56.678	1735.013
2) Hydro	6.802	255.722	2) Gujrat	25.719	691.827
3) Gas	12.912	399.330	3) Goa	-5.872	-200.751
Total MSGENCO	142.949	4456.340	4) TAPS 1&2 (Inj.)	5.991	121.247
B) OTHERS			5) Pench (Excess)	-0.092	-12.095
1) RGPPL Gas	30.220	931.087	# Total Cent. Sector	82.424	2335.241
2) Wind Generation	1.708	79.483	F) Other Exchanges		
3) PENCH (MS)	0.092	12.095	1) With TPCL	-0.975	-127.805
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	21.850	661.579	1) MSEDCL Bilateral	7.247	208.676
2) TPCL Hydro	2.169	160.465	Include PX	3.271	29.328
TOTAL TPCL	24.019	822.044	2) MUMBAI Bilateral	1.775	138.013
3) REL Thermal	12.738	394.114	Include PX	0.658	76.400
D) STATE			3) MUMBAI Schedule	1.775	148.693
1) Thermal (A1+C1+C3)	157.823	4856.981	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	9.063	428.282	1) MSEDCL	256.418	7686.441
3) Gas (A3+B1)	43.132	1330.417	2) TPCL	23.972	871.871
4) Wind (B2)	1.708	79.483	3) REL	13.758	472.338
TOTAL STATE	211.726	6695.163	TOTAL STATE	294.148	9030.650

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5375	5115	5220
MSGENCO Hydro	436	655	135
MSGENCO Gas	540	550	536
MSGENCO Total Generation	6351	6320	5891
Central Sector Receipt	3763	3842	2552
RGPPL	1266	1256	1267
WIND	58	41	80
Exchange with TPCL	-49	-153	6
MSEDCL DEMAND MET	11416	11319	9796
Load Shedding	3391	3746	1707
MSEDCL DEMAND (INCL. LS)	14807	15065	11503
TPCL GENERATION	1150	1241	786
REL GENERATION	531	528	532
TPCL+REL DEMAND	1730	1922	1312
STATE DEMAND MET	13146	13241	11108
STATE DEMAND (INCL. LS)	16537	16987	12815
Frequency (Hz)	49.72	49.88	50.01
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4211 MW At 15.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			75.15 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.49 Hz at 15.07 Hrs	49.13 Hz at 08.21 Hrs	49.85	0 % 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 31/Jan/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.95	52.83	86	76	80
Unit 2	1.67	51.11	78	59	70
Unit 3	0.00	10.30	0	0	0
Unit 4	1.75	47.42	89	48	80
Unit 5	3.53	97.13	159	140	150
Unit 6	3.73	104.82	170	146	150
Unit 7	4.46	93.21	205	170	200
	17.09	456.82			730
Bhusawal					
Unit 1	1.14	29.80	53	40	50
Unit 2	4.67	114.04	200	185	195
Unit 3	4.68	137.60	195	195	195
	10.49	281.43			440
Parli					
Unit 1	0.56	16.67	24	21	23
Unit 2	0.53	16.93	24	20	23
Unit 3	3.75	82.34	168	137	165
Unit 4	3.44	140.16	200	0	180
Unit 5	0.00	119.64	0	0	0
Unit 6	6.37	170.67	331	236	250
	14.65	546.42			641
Chandrapur					
Unit 1	3.38	103.74	150	115	150
Unit 2	3.86	111.08	168	152	160
Unit 3	4.47	128.94	199	142	210
Unit 4	4.39	122.91	198	153	210
Unit 5	10.18	313.50	460	325	450
Unit 6	9.73	307.87	440	278	450
Unit 7	10.98	282.99	472	438	450
	46.98	1371.04			2080
Paras					
Unit 2	1.12	25.23	49	44	46
Unit 3	4.88	124.54	230	133	225
	6.00	149.78			271
Khaparkheda					
Unit 1	0.00	22.60	0	0	0
Unit 2	4.64	140.63	202	185	190
Unit 3	4.99	145.98	215	198	210
Unit 4	4.96	151.14	216	190	210
	14.59	460.36			610
Nasik					
Unit 1	1.53	59.17	98	0	95
Unit 2	1.88	58.95	99	0	95
Unit 3	2.76	147.72	205	0	205
Unit 4	3.71	144.20	208	0	205
Unit 5	3.56	125.40	210	0	200
	13.44	535.44			800
Uran					
All Units	12.91	399.33	552	530	510
	12.91	399.33			510
Koyna					
Stage 1-2	1.12	50.40	110	40	600
Stage 4	0.06	50.38	59	0	250
Koyna 12&4 Total	1.17	100.79			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.60	22.07	238	0	240
	1.77	122.85			1090
Hydro					
KDPH	0.00	10.75	0	0	36
VTRNA	0.52	15.51	61	0	60
TILLARI	0.39	11.48	61	0	60
BHTGR/VEER	1.96	42.88	84	77	76
BHIRA T.R.	0.26	8.40	81	0	80
RNGR+BHTSA	0.26	9.65	13	0	15
BHANDARDRA	0.00	6.03	0	0	0
ELDARY	0.18	1.67	15	0	0
PAITHAN	0.06	1.64	9	0	10
GHATGHAR	1.41	24.88	125	0	0
	5.03	132.87			337
PENCH (MS)					
Pench (MS)	0.09	12.10	27	0	
	0.09	12.10			
Wind					
MalharPeth	0.09	3.36			
Vankuswadi	0.29	8.76			
ATIT	0.04	1.64			
Kale	0.06	2.59			
Satara	0.08	3.62			
Shirala	0.06	2.79			
K Mahankal	0.12	2.31			
Supa	0.09	2.16			
Vita	0.68	16.68			
Dondaicha	0.12	20.38			
Sakri	0.01	2.65			
Nandurbar	0.02	2.40			
Khadakale	0.02	5.59			
Khaparale	0.04	4.56			
	1.71	79.48			
Dabhol					
RGPP L II	30.22	931.09	1278	1241	1226
RGPP L III	0.00	0.00	0	0	
	30.22	931.09			1226
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	19.68	0	0	0
Trombay 6	11.79	337.46	510	400	510
Trombay 7A	2.92	85.23	126	113	120
Trombay 7B	1.63	48.78	70	65	60
Trombay 8	5.50	170.44	252	150	250
TATA Hydro	2.17	160.46	291	6	447
	24.02	822.04			1387
REL					
1&2	12.74	394.11	532	528	500
	12.74	394.11			500
Cent Sect					
Share					3215
					3215

MS PG CL	Thermal	123.24	3801.29		5572
	Thml+Gas	136.15	4200.62		6082
	Hydro	6.80	255.72		1427
	Total	142.95	4456.34		7509
State Total		211.73	6695.16		13837

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 31/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	5327	135	535	5997	1268	47	2791	2751	-38	5	10068	1949	12017	1462	13479	49.88
2	5185	135	535	5855	1266	69	2791	2632	-38	7	9829	1978	11807	1360	13167	49.96
3	5220	135	536	5891	1267	80	2791	2552	-38	6	9796	1707	11503	1312	12815	50.01
4	5238	135	533	5906	1264	93	2791	2434	-38	7	9704	1928	11632	1273	12905	49.86
5	5249	140	532	5921	1264	122	2791	2617	-38	9	9933	1960	11893	1272	13165	49.73
6	5274	185	530	5989	1267	115	2877	2945	-38	2	10318	2332	12650	1299	13949	49.86
7	5387	196	538	6121	1275	131	3154	2915	50	88	10530	3047	13577	1362	14939	49.92
8	5437	201	537	6175	1278	144	3154	3390	50	82	11069	3146	14215	1423	15638	49.75
9	5469	304	550	6323	1262	131	3152	3301	45	88	11105	3317	14422	1492	15914	49.58
10	5401	321	550	6272	1255	145	3290	3300	-46	-5	10980	3567	14547	1609	16156	49.59
11	5360	449	550	6359	1258	110	3286	3673	-46	-6	11411	3227	14638	1698	16336	49.60
12	5375	436	540	6351	1266	58	3306	3763	-91	-49	11416	3391	14807	1730	16537	49.72
13	5378	339	535	6252	1241	31	3316	3730	-91	-74	11180	3455	14635	1693	16328	49.61
14	5176	330	535	6041	1243	30	3321	3718	-91	-76	10956	3417	14373	1651	16024	49.87
15	4611	261	532	5404	1248	36	3316	3847	-91	-74	10461	3524	13985	1630	15615	50.00
16	4552	261	530	5343	1249	38	3299	3979	-91	-64	10545	3314	13859	1579	15438	49.99
17	4539	285	530	5354	1246	38	3312	3870	-91	-61	10447	3283	13730	1561	15291	50.00
18	4617	402	530	5549	1248	30	3334	4183	-91	-64	10946	2951	13897	1587	15484	50.03
19	4769	566	550	5885	1248	37	3373	4296	-174	-148	11318	3517	14835	1796	16631	49.94
20	5115	655	550	6320	1256	41	3381	3842	-174	-153	11319	3746	15065	1922	16987	49.88
21	5197	450	552	6199	1258	40	3160	4048	-174	-145	11422	3472	14894	1916	16810	49.94
22	5136	215	535	5886	1265	45	3165	3720	-174	-146	10770	3403	14173	1833	16006	50.09
23	5150	133	530	5813	1262	46	2986	3427	-179	-149	10399	2161	12560	1710	14270	49.80
24	5073	133	537	5743	1266	51	2843	3490	-88	-55	10495	0	10495	1562	12057	49.89
MUs	123.24	6.80	12.91	142.95	30.22	1.71	74.98	82.42	-1.78	-0.98	256.42	67.79	324.21	37.73	361.94	49.85

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 31/Jan/2010

Position as on 6.30 Hrs of 01/Feb/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	05/02/2010
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
Uran Unit 6	108	20/01/2010	01:22		Continued.	Major Overhauling work.	05/03/2010
Koyna Unit 9	80	20/01/2010	11:00		Continued.	AOH.	19/02/2010
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
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Tata Trombay 4	150	01/12/2009	19:16		Continued.	W/Dn.	
Dabhol 1B	230	30/01/2010	01.45		Continued.	Turbine temp.high	06/02/2010
Parli Unit 5	210	30/01/2010	17.34		Continued.	Hydrogen Leakage	03/02/2010
Parli Unit 4	210	31/01/2010	00.48	31/01/2010	06.22	Loss of Excitation.	
Cent_Sect NTPC(V-2)	210	31/01/2010	04.46	01/02/2010	18.20	Sparking in Exciter.	
Nasik Unit 1	125	31/01/2010	13.53	31/01/2010	20.10	Over Frequency	
Nasik Unit 2	125	31/01/2010	13.53	31/01/2010	17.25	Over Frequency	
Nasik Unit 3	210	31/01/2010	13.53		Continued.	Over Frequency	03/02/2010
Nasik Unit 4	210	31/01/2010	13.53	31/01/2010	18.55	Over Frequency	
Nasik Unit 5	210	31/01/2010	13.53	31/01/2010	19.10	Over Frequency	
Koradi Unit 4	115	01/02/2010	04.55		Continued.	Boiler Tube Leakage	03/02/2010

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 31/Jan/2010

Position as on 6.30 Hrs of 01/Feb/2010

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 - I	12/01/2010	12.56		Continued.	H/T. SYSTEM CONSTRAINT.
Akola - Aurangabad - I	20/01/2010	00:45		Continued.	H/T System Constraint.
Dhule-S'Sarovar I	30/01/2010	16.23		Continued.	Hand Tripped For Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Seoni - Wardha	31/01/2010	14.05	31/01/2010	16.17	Tripped
Voltage Level : 220KV			Outage Type TRIPPED		
Nasik-Navsari-I	31/01/2010	13.53	31/01/2010	14.30	Bus Fault at Nasik
Nasik-Navsari -II	31/01/2010	13.53	31/01/2010	14.30	Bus Fault at Nasik
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 315MVA ICT-II at Talangade	01/02/2010	11.30	01/02/2010	17.17	Q.M. Testing work
New Koyna - Dabhol - II	01/02/2010	12.30	01/02/2010	17.16	Relay testing work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
Aurangabad - Padegaon - I.	27/01/2010	16:35		Continued.	BKR. Replacement work, ckt on TBC. (15 days)
Kalwa - Ghatghar	29/01/2010	09.12		Continued.	Replacement of conductor.
Nasik - Ghatghar	30/01/2010	08.56		Continued.	Conductor Repalcement.
Kharepatan-Pawas	01/02/2010	08.39	01/02/2010	19.27	Hand cleaning of line Insulator
220/132 KV 150 MVA ICT-I at Dhule	01/02/2010	09.05	01/02/2010	14.40	Sparking on B phase Main Bus Isolator,ICT-I on TBC
220/132KV 200MVA ICT-I at Amravati	01/02/2010	10.13	01/02/2010	17.20	Replacement of Buchholz relay
Girwali - Parbhani	01/02/2010	12.23	01/02/2010	17.21	Retrofitting of relays
M.B. at Halkarni	01/02/2010	12.25	01/02/2010	17.25	Q.M.work
Halkarni-Tillari	01/02/2010	12.35	01/02/2010	17.40	Main Bus outage at Halkarni
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Own BKR 400/21 KV, 600 MVA GT - VII at Chandrapur.	25/01/2010	08:12		Continued.	GT VII on TBC, Main BKR, Air leakage problem.
400/220 KV 315 MVA ICT - II @ Koradi.	26/01/2010	10:32	01/02/2010	12.06	L. V. side breaker air leakage hence Taken on TBC.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	30/01/2010	17.58	31/01/2010	14.39	Hand Tripped for Over Voltage.
Bhusawal- Aurangabad	31/01/2010	17.59	01/02/2010	16.23	H/T For Over Voltage
Bhusawal- Aurangabad	01/02/2010	18.06		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Kalwa-Nasik III	30/01/2010	18.59		Continued.	Hand Tripped for Tower Leg Bend @ Loc.No.84.
150 MVA ICT I at Dhule	30/01/2010	23.50	31/01/2010	00.50	H/T,Y Ph.Bushing Red Hot.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Deepnagar - Jalgaon - I	30/01/2010	22.29	31/01/2010	00.42	R Ph.C T Conductor Clamp Burnt.
Voltage Level : 220KV			Outage Type TRIPPED		
220/33KV, 25MVA T/F at	26/01/2010	09:50		Continued.	Bulcholz trip.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 31/Jan/2010

Position as on 6.30 Hrs of 01/Feb/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Gadchandur					
Nasik-Padgha- II	31/01/2010	13.52	31/01/2010	21.28	Wave Trap Burst at Nasik end (R Phase)
BBLSR-A"Nagar II	31/01/2010	13.53	31/01/2010	14.12	Load Trimming Scheme operated
Bus Section - I at Nasik GCR	31/01/2010	13.53	31/01/2010	15.19	Bus Fault
Babaleshwar - Nagar - I	31/01/2010	13.53	31/01/2010	14.35	Load Trimming Scheme operated
Nasik-Bablsr Ckt II	31/01/2010	13.53	31/01/2010	15.05	Bus Fault
Nasik-Raymond	31/01/2010	13.53	31/01/2010	15.03	Bus Fault
Bableswhar-Nasik-I	31/01/2010	13.53	31/01/2010	14.26	Bus Fault
220/132 KV 200 MVA ICT-IV at NSK OCR	31/01/2010	13.57	31/01/2010	14.37	Bus Fault
220/132KV 200MVA ICT-V at Nasik OCR	31/01/2010	13.57	31/01/2010	14.34	Bus Fault
220/132KV 100MVA ICT-III at Nasik OCR	31/01/2010	13.57	31/01/2010	16.12	Bus Fault
220/132 KV 150 MVA ICT - I @ NSK.	31/01/2010	13.58	31/01/2010	15.21	Bus Fault
220/132 KV 150MVA ICT-II at Nasik	31/01/2010	13.58	31/01/2010	15.21	Bus Fault
Voltage Level : 132KV			Outage Type TRIPPED		
132/33 KV,25 MVA T/F-I at Katol	23/01/2010	10.44		Continued.	Differential protection operated.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 01/Feb/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	80
Unit 2	105	50
Unit 3	105	0
Unit 4	105	0
Unit 5	200	130
Unit 6	210	155
Unit 7	210	175
	1040	590
Bhusawal		
Unit 1	58	25
Unit 2	210	170
Unit 3	210	195
	478	390
Parli		
Unit 1	30	23
Unit 2	30	23
Unit 3	210	165
Unit 4	210	200
Unit 5	210	0
Unit 6	250	250
	940	661
Chandrapur		
Unit 1	210	150
Unit 2	210	160
Unit 3	210	200
Unit 4	210	200
Unit 5	500	450
Unit 6	500	270
Unit 7	500	450
	2340	1880
Paras		
Unit 2	55	46
Unit 3	250	220
	305	266
Khaparkheda		
Unit 1	210	0
Unit 2	210	190
Unit 3	210	195
Unit 4	210	205
	840	590
Nasik		
Unit 1	120	95
Unit 2	120	95
Unit 3	210	0
Unit 4	210	205
Unit 5	210	200
	870	595
Uran		
All Units	852	530
	852	530
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	0
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	86
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	12
PAITHAN	12	10
GHATGHAR	250	0
	611	323
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	1230
RGPL III	740	
	1700	1230
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	3364
	3143	3364