



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

State Load Dispatch Center, Airoli

Daily system Report

for

30/Jan/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 30/Jan/2010 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	132.183	3678.053	1) Madhya Pradesh	52.012	1678.335
2) Hydro	9.268	248.920	2) Gujrat	24.908	666.108
3) Gas	11.780	386.418	3) Goa	-6.291	-194.879
Total MSGENCO	153.231	4313.391	4) TAPS 1&2 (Inj.)	5.878	115.256
B) OTHERS			5) Pench (Excess)	-0.117	-12.003
1) RGPPL Gas	30.647	900.867	# Total Cent. Sector	76.390	2252.817
2) Wind Generation	2.642	77.775	F) Other Exchanges		
3) PENCH (MS)	0.117	12.003	1) With TPCL	-3.575	-126.830
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	21.437	639.729	1) MSEDCL Bilateral	5.217	201.429
2) TPCL Hydro	6.058	158.296	Include PX	1.241	26.057
TOTAL TPCL	27.495	798.025	2) MUMBAI Bilateral	4.127	136.238
3) REL Thermal	12.737	381.376	Include PX	2.303	75.742
D) STATE			3) MUMBAI Schedule	4.127	146.918
1) Thermal (A1+C1+C3)	166.357	4699.158	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	15.443	419.219	1) MSEDCL	259.452	7430.023
3) Gas (A3+B1)	42.427	1287.285	2) TPCL	28.266	847.899
4) Wind (B2)	2.642	77.775	3) REL	15.540	458.580
TOTAL STATE	226.869	6483.437	TOTAL STATE	303.258	8736.502

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	5686	5470	5277
MSGENCO Hydro	538	910	236
MSGENCO Gas	494	521	515
MSGENCO Total Generation	6718	6901	6028
Central Sector Receipt	3278	3365	2437
RGPPL	1235	1250	1274
WIND	159	71	163
Exchange with TPCL	-265	-306	-14
MSEDCL DEMAND MET	11132	11281	9888
Load Shedding	3468	3799	0
MSEDCL DEMAND (INCL. LS)	14600	15080	9888
TPCL GENERATION	1419	1400	743
REL GENERATION	530	529	532
TPCL+REL DEMAND	2214	2235	1289
STATE DEMAND MET	13346	13516	11177
STATE DEMAND (INCL. LS)	16814	17315	11177
Frequency (Hz)	49.44	49.59	49.97
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4081 MW At 17.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			60.97 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.51 Hz at 18.05 Hrs	49.04 Hz at 18.42 Hrs	49.73	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 30/Jan/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	2.00	50.88	88	80	85
Unit 2	1.62	49.44	76	52	70
Unit 3	0.00	10.30	0	0	0
Unit 4	1.92	45.67	86	72	85
Unit 5	3.43	93.60	161	120	140
Unit 6	3.66	101.08	165	140	160
Unit 7	4.00	88.75	190	150	145
	16.63	439.74			685
Bhusawal					
Unit 1	1.23	28.66	54	50	50
Unit 2	4.61	109.37	198	186	190
Unit 3	4.60	132.92	198	186	195
	10.45	270.94			435
Parli					
Unit 1	0.53	16.12	25	19	23
Unit 2	0.55	16.41	25	21	23
Unit 3	3.73	78.59	172	137	165
Unit 4	4.86	136.72	209	197	200
Unit 5	2.96	119.64	178	0	180
Unit 6	6.50	164.30	309	241	240
	19.14	531.77			831
Chandrapur					
Unit 1	3.17	100.36	144	111	150
Unit 2	3.83	107.22	168	150	160
Unit 3	4.16	124.48	192	154	210
Unit 4	4.56	118.52	198	181	210
Unit 5	10.62	303.32	456	415	450
Unit 6	10.41	298.15	450	415	450
Unit 7	10.79	272.01	471	427	450
	47.54	1324.06			2080
Paras					
Unit 2	1.10	24.11	48	44	46
Unit 3	4.99	119.66	232	164	225
	6.08	143.78			271
Khaparkheda					
Unit 1	0.00	22.60	0	0	0
Unit 2	4.54	135.99	197	171	190
Unit 3	5.04	141.00	215	202	210
Unit 4	5.07	146.18	215	204	210
	14.65	445.77			610
Nasik					
Unit 1	2.12	57.64	94	81	95
Unit 2	2.16	57.07	99	83	95
Unit 3	4.85	144.96	212	186	205
Unit 4	4.70	140.48	205	175	205
Unit 5	3.86	121.84	195	0	85
	17.70	522.00			685
Uran					
All Units	11.78	386.42	544	328	530
	11.78	386.42			530
Koyna					
Stage 1-2	1.40	49.29	185	40	600
Stage 4	0.58	50.32	290	0	250
Kovna 12&4 Total	1.97	99.61			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.48	21.47	80	0	240
	2.45	121.08			1090
Hydro					
KDPH	0.90	10.75	40	0	36
VTRNA	1.44	14.99	61	34	60
TILLARI	0.36	11.09	60	0	60
BHTGR/VEER	1.84	40.92	77	76	71
BHIRA T.R.	0.33	8.14	82	0	80
RNGR+BHTSA	0.27	9.39	12	11	15
BHANDARDRA	0.00	6.03	0	0	0
ELDARY	0.18	1.48	14	0	0
PAITHAN	0.05	1.58	9	0	10
GHATGHAR	1.45	23.47	125	0	0
	6.82	127.84			332
PENCH (MS)					
Pench (MS)	0.12	12.00	43	0	
	0.12	12.00			
Wind					
MalharPeth	0.13	3.28			
Vankuswadi	0.40	8.47			
ATIT	0.07	1.60			
Kale	0.12	2.53			
Satara	0.33	3.54			
Shirala	0.11	2.74			
K Mahankal	0.01	2.19			
Supa	0.12	2.08			
Vita	0.77	16.00			
Dondaicha	0.22	20.25			
Sakri	0.03	2.64			
Nandurbar	0.04	2.38			
Khadakale	0.06	5.57			
Khaparale	0.24	4.52			
	2.64	77.78			
Dabhol					
RGPP L II	30.65	900.87	1597	1231	1256
RGPP L III	0.00	0.00	0	0	
	30.65	900.87			1256
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	19.68	0	0	0
Trombay 6	11.59	325.66	510	380	500
Trombay 7A	2.76	82.30	126	99	120
Trombay 7B	1.59	47.14	69	60	60
Trombay 8	5.50	164.93	250	150	250
TATA Hydro	6.06	158.30	481	0	447
	27.50	798.02			1377
REL					
1&2	12.74	381.38	532	528	500
	12.74	381.38			500
Cent Sect					
Share					3354
					3354

MS PG CL	Thermal	132.18	3678.05		5597
	Thml+Gas	143.96	4064.47		6127
	Hydro	9.27	248.92		1422
	Total	153.23	4313.39		7549
State Total		226.87	6483.44		14036

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 30/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	5496	226	510	6232	1597	131	2807	2242	-41	-19	10183	0	10183	1475	11658	50.03
2	5507	226	510	6243	1502	142	2807	2417	-41	-15	10289	0	10289	1340	11629	50.04
3	5277	236	515	6028	1274	163	2807	2437	-41	-14	9888	0	9888	1289	11177	49.97
4	5302	232	515	6049	1271	177	2781	2434	-41	-12	9919	0	9919	1268	11187	49.85
5	5386	227	514	6127	1272	176	2781	2568	-41	-12	10131	40	10171	1269	11440	49.85
6	5501	227	514	6242	1261	167	2911	2962	-41	-10	10622	1815	12437	1306	13743	49.56
7	5576	252	513	6341	1232	169	3054	2894	47	62	10698	2720	13418	1472	14890	49.58
8	5602	239	513	6354	1259	160	3053	2949	47	45	10767	3191	13958	1551	15509	49.65
9	5627	241	512	6380	1259	149	3049	2940	47	54	10809	3308	14117	1745	15862	49.54
10	5652	447	511	6610	1254	174	3324	3063	-183	-151	10990	3330	14320	2060	16380	49.49
11	5664	593	519	6776	1251	197	3349	3300	-230	-220	11347	3128	14475	2155	16630	49.66
12	5686	538	494	6718	1235	159	3403	3278	-275	-265	11132	3468	14600	2214	16814	49.44
13	5674	452	496	6622	1231	104	3407	3556	-275	-256	11257	3464	14721	2197	16918	49.51
14	5633	373	498	6504	1239	53	3403	3655	-275	-258	11193	3438	14631	2107	16738	49.84
15	5589	432	400	6421	1238	31	3399	3694	-275	-260	11124	3517	14641	2117	16758	49.75
16	5601	390	328	6319	1245	37	3372	3772	-275	-264	11109	3292	14401	2104	16505	49.82
17	5527	377	337	6241	1245	28	3393	4076	-275	-269	11321	3269	14590	2091	16681	49.76
18	5442	488	410	6340	1245	28	3416	3944	-275	-272	11285	3001	14286	2063	16349	49.66
19	5389	881	477	6747	1245	43	3339	3457	-311	-309	11183	3553	14736	2221	16957	49.59
20	5470	910	521	6901	1250	71	3354	3365	-311	-306	11281	3799	15080	2235	17315	49.59
21	5430	651	543	6624	1257	78	3322	3655	-264	-204	11410	3497	14907	2098	17005	49.64
22	5354	241	543	6138	1261	80	3327	3498	-264	-203	10774	3471	14245	1986	16231	49.98
23	5392	227	543	6162	1258	72	3309	3131	-269	-207	10416	3066	13482	1760	15242	49.76
24	5407	162	544	6113	1265	56	3090	3102	-269	-210	10326	1873	12199	1684	13883	49.90
MUs	132.18	9.27	11.78	153.23	30.65	2.64	76.26	76.39	-4.13	-3.58	259.45	60.24	319.69	43.81	363.50	49.73

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 30/Jan/2010

Position as on 6.30 Hrs of 31/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	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
Nasik Unit 5	210	30/01/2010	02.15	30/01/2010	04.55	Furnance pressure low.	
Uran Unit 7	108	30/01/2010	13.43	30/01/2010	17.44	Filter replacement	
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.	
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	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/Jan/2010

Position as on 6.30 Hrs of 31/Jan/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised 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.
Dhule-Sar'Sarovar - II	12/01/2010	22.22	30/01/2010	16.14	H/T for O/V at Dhule S/S.
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 : 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.
BBLSR-Chalisgaon	30/01/2010	09.06	30/01/2010	16.18	Q.M.Work.
Kharepatan-Pawas	30/01/2010	09.42	30/01/2010	19.42	String Replacement Work.
220/132KV 100MVA ICT-II at Chalisgaon	30/01/2010	10.01	30/01/2010	22.30	C T Replacement Work.
Kolhapur-Karad-IV	30/01/2010	10.35	30/01/2010	15.59	Replacenment of Wave Trap & Coupling Condenser.
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.
Dabhol-New Koyna-I	30/01/2010	06.02	30/01/2010	15.48	E/O replcement of Y & B Ph L.A.@ N. KOYNA
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	29/01/2010	18.46	30/01/2010	09.57	H/T for over voltage.From Aurangabad.
Bhusawal- Aurangabad	30/01/2010	17.58	31/01/2010	14.39	Hand Tripped for 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 Gadchandur	26/01/2010	09:50		Continued.	Bulcholz trip.
Usmanabad-Barshi	30/01/2010	11.37	30/01/2010	12.15	Backup Protection.
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
Nasik-Raymond	31/01/2010	13.53	31/01/2010	15.03	Bus Fault

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 30/Jan/2010

Position as on 6.30 Hrs of 31/Jan/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Babaleshwar - Nagar - I	31/01/2010	13.53	31/01/2010	14.35	Load Trimming Scheme operated
Bableshtar-Nasik-I	31/01/2010	13.53	31/01/2010	14.26	Bus Fault
Bus Section - I at Nasik GCR	31/01/2010	13.53	31/01/2010	15.19	Bus Fault
Nasik-Bablsr Ckt II	31/01/2010	13.53	31/01/2010	15.05	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 100MVA ICT-III at Nasik OCR	31/01/2010	13.57	31/01/2010	16.12	Bus Fault
220/132KV 200MVA ICT-V at Nasik OCR	31/01/2010	13.57	31/01/2010	14.34	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 31/Jan/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	80
Unit 2	105	70
Unit 3	105	0
Unit 4	105	80
Unit 5	200	150
Unit 6	210	150
Unit 7	210	200
	1040	730
Bhusawal		
Unit 1	58	50
Unit 2	210	195
Unit 3	210	195
	478	440
Parli		
Unit 1	30	23
Unit 2	30	23
Unit 3	210	165
Unit 4	210	180
Unit 5	210	0
Unit 6	250	250
	940	641
Chandrapur		
Unit 1	210	150
Unit 2	210	160
Unit 3	210	210
Unit 4	210	210
Unit 5	500	450
Unit 6	500	450
Unit 7	500	450
	2340	2080
Paras		
Unit 2	55	46
Unit 3	250	225
	305	271
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	200
	870	800
Uran		
All Units	852	510
	852	510
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	76
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	337
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	1226
RGPPPL III	740	
	1700	1226
Tata		
Trombay 4	150	0
Trombay 5	500	0
Trombay 6	500	510
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1387
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3215
	3143	3215

	17616	7 of 7	13837
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