



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

State Load Dispatch Center, Airoli

Daily system Report

for

01/Feb/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 01/Feb/2010 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	119.483	119.483	1) Madhya Pradesh	63.902	63.902
2) Hydro	8.062	8.062	2) Gujrat	29.220	29.220
3) Gas	12.900	12.900	3) Goa	-6.307	-6.307
Total MSGENCO	140.445	140.445	4) TAPS 1&2 (Inj.)	6.153	6.153
B) OTHERS			5) Pench (Excess)	-0.377	-0.377
1) RGPPL Gas	30.822	30.822	# Total Cent. Sector	92.591	92.591
2) Wind Generation	1.396	1.396	F) Other Exchanges		
3) PENCH (MS)	0.377	0.377	1) With TPCL	-5.711	-5.711
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	21.332	21.332	1) MSEDCL Bilateral	6.412	6.412
2) TPCL Hydro	6.377	6.377	Include PX	1.247	1.247
TOTAL TPCL	27.709	27.709	2) MUMBAI Bilateral	5.396	5.396
3) REL Thermal	12.716	12.716	Include PX	3.377	3.377
D) STATE			3) MUMBAI Schedule	5.746	5.746
1) Thermal (A1+C1+C3)	153.531	153.531	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	14.816	14.816	1) MSEDCL	259.920	259.920
3) Gas (A3+B1)	43.722	43.722	2) TPCL	30.197	30.197
4) Wind (B2)	1.396	1.396	3) REL	15.840	15.840
TOTAL STATE	213.465	213.465	TOTAL STATE	305.957	305.957

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	4912	5121	4773
MSGENCO Hydro	1004	808	125
MSGENCO Gas	540	550	538
MSGENCO Total Generation	6456	6479	5436
Central Sector Receipt	3939	4126	3262
RGPPL	1283	1289	1311
WIND	50	83	45
Exchange with TPCL	-458	-387	-25
MSEDCL DEMAND MET	11290	11607	10029
Load Shedding	3711	3730	0
MSEDCL DEMAND (INCL. LS)	15001	15337	10029
TPCL GENERATION	1430	1385	720
REL GENERATION	527	528	531
TPCL+REL DEMAND	2415	2300	1276
STATE DEMAND MET	13705	13907	11305
STATE DEMAND (INCL. LS)	17416	17637	11305
Frequency (Hz)	49.64	49.81	50.04
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4785 MW AT 11.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			81.54 MUS

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.31 Hz at 03.46 Hrs	49.18 Hz at 07.37 Hrs	49.81	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 01/Feb/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	2.07	2.07	95	78	80
Unit 2	1.75	1.75	82	55	50
Unit 3	0.00	0.00	0	0	0
Unit 4	0.38	0.38	81	0	0
Unit 5	3.54	3.54	166	126	130
Unit 6	4.00	4.00	202	141	155
Unit 7	4.45	4.45	207	161	175
	16.20	16.20			590
Bhusawal					
Unit 1	0.50	0.50	26	18	25
Unit 2	4.30	4.30	186	169	170
Unit 3	4.68	4.68	205	190	195
	9.48	9.48			390
Parli					
Unit 1	0.55	0.55	24	21	23
Unit 2	0.54	0.54	24	21	23
Unit 3	3.84	3.84	169	140	165
Unit 4	4.75	4.75	206	186	200
Unit 5	0.00	0.00	0	0	0
Unit 6	6.59	6.59	334	143	250
	16.27	16.27			661
Chandrapur					
Unit 1	3.51	3.51	150	142	150
Unit 2	3.94	3.94	168	161	160
Unit 3	4.19	4.19	190	144	200
Unit 4	4.25	4.25	197	143	200
Unit 5	9.94	9.94	455	355	450
Unit 6	7.57	7.57	415	0	270
Unit 7	10.62	10.62	461	412	450
	44.02	44.02			1880
Paras					
Unit 2	1.11	1.11	48	43	46
Unit 3	4.96	4.96	225	185	220
	6.06	6.06			266
Khaparkheda					
Unit 1	0.00	0.00	0	0	0
Unit 2	4.49	4.49	191	182	190
Unit 3	4.68	4.68	200	188	195
Unit 4	4.98	4.98	213	202	205
	14.15	14.15			590
Nasik					
Unit 1	2.09	2.09	94	79	95
Unit 2	1.80	1.80	96	56	95
Unit 3	0.00	0.00	0	0	0
Unit 4	4.70	4.70	210	182	205
Unit 5	4.71	4.71	211	174	200
	13.29	13.29			595
Uran					
All Units	12.90	12.90	550	521	530
	12.90	12.90			530
Koyna					
Stage 1-2	1.54	1.54	310	30	600
Stage 4	2.13	2.13	552	0	250
Koyna 12&4 Total	3.68	3.68			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.52	0.52	80	0	240
	4.20	4.20			1090
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.00	0	0	60
TILLARI	0.32	0.32	60	0	60
BHTGR/VEER	1.58	1.58	66	65	86
BHIRA T.R.	0.22	0.22	81	0	80
RNGR+BHTSA	0.26	0.26	11	11	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.18	0.18	8	7	12
PAITHAN	0.06	0.06	10	0	10
GHATGHAR	1.24	1.24	125	0	0
	3.86	3.86			323
PENCH (MS)					
Pench (MS)	0.38	0.38	53	0	
	0.38	0.38			
Wind					
MalharPeth	0.10	0.10			
Vankuswadi	0.28	0.28			
ATIT	0.08	0.08			
Kale	0.09	0.09			
Satara	0.09	0.09			
Shirala	0.08	0.08			
K Mahankal	0.01	0.01			
Supa	0.07	0.07			
Vita	0.27	0.27			
Dondaicha	0.16	0.16			
Sakri	0.08	0.08			
Nandurbar	0.02	0.02			
Khadakale	0.05	0.05			
Khaparale	0.01	0.01			
	1.40	1.40			
Dabhol					
RGPP L II	30.82	30.82	1314	1159	1230
RGPP L III	0.00	0.00	0	0	
	30.82	30.82			1230
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	0.00	0	0	0
Trombay 6	11.60	11.60	510	360	500
Trombay 7A	2.67	2.67	126	85	120
Trombay 7B	1.55	1.55	69	57	60
Trombay 8	5.51	5.51	250	150	250
TATA Hydro	6.38	6.38	481	0	447
	27.71	27.71			1377
REL					
1&2	12.72	12.72	532	527	500
	12.72	12.72			500
Cent Sect					
Share					3364
					3364

MS PG CL	Thermal	119.48	119.48			4972
	Thml+Gas	132.38	132.38			5502
	Hydro	8.06	8.06			1413
	Total	140.44	140.44			6915
State Total		213.46	213.46			13386

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 01/Feb/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	4974	125	538	5637	1301	51	2691	3221	-51	-28	10182	0	10182	1478	11660	49.81
2	4840	125	537	5502	1307	47	2691	3288	-51	-27	10127	0	10127	1353	11480	50.06
3	4773	125	538	5436	1311	45	2691	3262	-51	-25	10029	0	10029	1276	11305	50.04
4	4772	125	538	5435	1314	44	2691	3363	-51	-23	10133	0	10133	1260	11393	50.12
5	4853	140	538	5531	1310	42	2691	3433	-51	-25	10301	1305	11606	1263	12869	49.95
6	4912	125	538	5575	1300	38	2813	3829	-51	-26	10743	2252	12995	1340	14335	49.67
7	4951	115	537	5603	1308	42	3103	3273	39	66	10320	3481	13801	1481	15282	49.74
8	5013	130	547	5690	1307	42	3102	3457	39	63	10612	3772	14384	1662	16046	49.74
9	5056	170	547	5773	1304	39	3100	3657	39	61	10887	3865	14752	1832	16584	49.81
10	4979	427	547	5953	1293	31	3480	3799	-240	-214	10915	3868	14783	2115	16898	49.68
11	4888	910	549	6347	1282	37	3553	3941	-259	-400	11260	3553	14813	2360	17173	49.50
12	4912	1004	540	6456	1283	50	3612	3939	-311	-458	11290	3711	15001	2415	17416	49.64
13	5101	666	523	6290	1282	47	3960	3773	-456	-486	10913	3698	14611	2378	16989	49.62
14	5155	331	529	6015	1290	63	3964	4213	-457	-440	11141	3677	14818	2268	17086	49.90
15	5180	244	527	5951	1285	71	3822	4053	-494	-473	10887	3768	14655	2310	16965	49.84
16	5118	253	521	5892	1213	69	3794	4423	-494	-481	11116	3559	14675	2321	16996	49.75
17	5075	248	526	5849	1159	83	3976	4577	-479	-465	11203	3594	14797	2297	17094	49.79
18	5037	253	538	5828	1231	88	3999	4674	-479	-566	11255	3182	14437	2363	16800	49.78
19	5057	551	540	6148	1289	93	3439	4399	-380	-359	11590	3643	15233	2273	17506	49.87
20	5121	808	550	6479	1289	83	3520	4126	-404	-387	11607	3730	15337	2300	17637	49.81
21	5070	717	544	6331	1289	67	3302	3822	-286	-268	11264	3450	14714	2181	16895	49.79
22	5054	234	540	5828	1296	72	3173	3947	-286	-229	10917	3416	14333	2088	16421	50.03
23	5013	113	540	5666	1289	73	3174	4088	-288	-284	10832	2098	12930	1824	14754	49.73
24	4579	123	528	5230	1290	79	3075	4034	-243	-237	10396	0	10396	1698	12094	49.70
MUs	119.48	8.06	12.90	140.44	30.82	1.40	79.42	92.59	-5.75	-5.71	259.92	63.62	323.54	46.14	369.68	49.81

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 01/Feb/2010

Position as on 6.30 Hrs of 02/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
Cent_Sect NTPC(V-2)	210	31/01/2010	04.46	01/02/2010	18.20	Sparking in Exciter.	
Nasik Unit 3	210	31/01/2010	13.53		Continued.	Over Frequency	03/02/2010
Koradi Unit 4	115	01/02/2010	04.55		Continued.	Boiler Tube Leakage	03/02/2010
Chandrapur Unit 6	500	01/02/2010	22.51	02/02/2010	03.27	Boiler Tripped	
Koradi Unit 6	210	01/02/2010	23.50	02/02/2010	02.48	Furnace Pressure High	
Chandrapur Unit 5	500	02/02/2010	01.28	02/02/2010	05.36	Flame Failure	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 01/Feb/2010

Position as on 6.30 Hrs of 02/Feb/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.
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.
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	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.
Voltage Level : 220KV			Outage Type TRIPPED		
220/33KV, 25MVA T/F at Gadchandur	26/01/2010	09:50		Continued.	Bulcholz trip.
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 02/Feb/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	80
Unit 2	105	70
Unit 3	105	0
Unit 4	105	0
Unit 5	200	150
Unit 6	210	140
Unit 7	210	180
	1040	620
Bhusawal		
Unit 1	58	50
Unit 2	210	190
Unit 3	210	195
	478	435
Parli		
Unit 1	30	23
Unit 2	30	23
Unit 3	210	165
Unit 4	210	190
Unit 5	210	0
Unit 6	250	240
	940	641
Chandrapur		
Unit 1	210	150
Unit 2	210	160
Unit 3	210	210
Unit 4	210	210
Unit 5	500	200
Unit 6	500	300
Unit 7	500	450
	2340	1680
Paras		
Unit 2	55	46
Unit 3	250	220
	305	266
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	0
Unit 4	210	205
Unit 5	210	200
	870	595
Uran		
All Units	852	520
	852	520
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	0
TILLARI	60	60
BHTGR/VEER	21	66
BHIRA T.R.	80	80
RNGR+BHTSA	20	11
BHANDARDRA	45	0
ELDARY	23	15
PAITHAN	12	9
GHATGHAR	250	0
	611	241
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	1234
RGPPPL III	740	
	1700	1234
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	3316
	3143	3316

	17616	13125
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