



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

State Load Dispatch Center, Airoli

Daily system Report

for

01/Mar/2010

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	121.390	121.390	1) Madhya Pradesh	53.162	53.162
2) Hydro	6.350	6.350	2) Gujrat	29.551	29.551
3) Gas	11.621	11.621	3) Goa	-5.163	-5.163
Total MSGENCO	139.361	139.361	4) TAPS 1&2 (Inj.)	7.317	7.317
B) OTHERS			5) Pench (Excess)	-0.075	-0.075
1) RGPPL Gas	30.737	30.737	# Total Cent. Sector	84.792	84.792
2) Wind Generation	2.582	2.582	F) Other Exchanges		
3) PENCH (MS)	0.075	0.075	1) With TPCL	0.444	0.444
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	25.118	25.118	1) MSEDCL Bilateral	5.963	5.963
2) TPCL Hydro	0.457	0.457	Include PX	0.000	0.000
TOTAL TPCL	25.575	25.575	2) MUMBAI Bilateral	0.658	0.658
3) REL Thermal	12.724	12.724	Include PX	0.421	0.421
D) STATE			3) MUMBAI Schedule	0.658	0.658
1) Thermal (A1+C1+C3)	159.232	159.232	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	6.882	6.882	1) MSEDCL	257.991	257.991
3) Gas (A3+B1)	42.358	42.358	2) TPCL	24.198	24.198
4) Wind (B2)	2.582	2.582	3) REL	13.657	13.657
TOTAL STATE	211.054	211.054	TOTAL STATE	295.846	295.846

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4906	5121	5061
MSGENCO Hydro	349	316	256
MSGENCO Gas	512	512	489
MSGENCO Total Generation	5767	5949	5806
Central Sector Receipt	3720	4042	3284
RGPPL	1283	1278	1283
WIND	76	263	84
Exchange with TPCL	51	-32	5
MSEDCL DEMAND MET	10897	11525	10462
Load Shedding	1727	129	847
MSEDCL DEMAND (INCL. LS)	12624	11654	11309
TPCL GENERATION	1059	1259	892
REL GENERATION	531	530	530
TPCL+REL DEMAND	1539	1821	1417
STATE DEMAND MET	12436	13346	11879
STATE DEMAND (INCL. LS)	14163	13475	12726
Frequency (Hz)	50.16	50.06	49.97
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2423 MW At 14.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			35.28 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.65 Hz at 17.33 Hrs	49.45 Hz at 12.16 Hrs	50.08	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/Mar/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.57	1.57	69	60	70
Unit 2	1.65	1.65	72	64	70
Unit 3	0.00	0.00	0	0	0
Unit 4	1.86	1.86	88	68	70
Unit 5	3.72	3.72	160	148	160
Unit 6	3.79	3.79	170	150	160
Unit 7	4.54	4.54	203	175	180
	17.13	17.13			710
Bhusawal					
Unit 1	1.25	1.25	53	50	50
Unit 2	4.47	4.47	195	170	195
Unit 3	3.16	3.16	195	0	195
	8.88	8.88			440
Parli					
Unit 1	0.57	0.57	25	19	23
Unit 2	0.56	0.56	24	23	23
Unit 3	3.90	3.90	175	152	160
Unit 4	4.38	4.38	206	160	200
Unit 5	4.28	4.28	189	169	185
Unit 6	5.95	5.95	253	234	250
	19.64	19.64			841
Chandrapur					
Unit 1	1.16	1.16	142	0	150
Unit 2	3.71	3.71	156	150	150
Unit 3	4.51	4.51	200	164	210
Unit 4	4.79	4.79	210	188	210
Unit 5	9.53	9.53	420	369	400
Unit 6	8.71	8.71	396	345	370
Unit 7	10.53	10.53	455	430	450
	42.93	42.93			1940
Paras					
Unit 2	0.27	0.27	21	0	20
Unit 3	0.00	0.00	0	0	0
	0.27	0.27			20
Khaparkheda					
Unit 1	4.96	4.96	210	200	210
Unit 2	2.96	2.96	196	0	100
Unit 3	5.13	5.13	215	212	210
Unit 4	0.39	0.39	168	0	0
	13.45	13.45			520
Nasik					
Unit 1	2.26	2.26	96	90	95
Unit 2	2.26	2.26	97	90	95
Unit 3	4.93	4.93	210	195	205
Unit 4	4.77	4.77	205	192	205
Unit 5	4.87	4.87	207	199	205
	19.10	19.10			805
Uran					
All Units	11.62	11.62	512	458	480
	11.62	11.62			480
Koyna					
Stage 1-2	1.04	1.04	65	35	600
Stage 4	0.00	0.00	0	0	250
Koyna 12&4 Total	1.04	1.04			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.00	0.00	0	0	320
	1.04	1.04			1170
Hydro					
KDPH	0.46	0.46	20	19	20
VTRNA	1.14	1.14	61	0	60
TILLARI	0.38	0.38	60	0	60
BHTGR/VEER	2.37	2.37	105	82	0
BHIRA T.R.	0.04	0.04	20	0	80
RNGR+BHTSA	0.29	0.29	13	11	12
BHANDARDRA	0.59	0.59	26	20	97
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.00	0.00	0	0	0
GHATGHAR	0.04	0.04	42	0	0
	5.32	5.32			329
PENCH (MS)					
Pench (MS)	0.08	0.08	25	0	
	0.08	0.08			
Wind					
MalharPeth	0.13	0.13			
Vankuswadi	0.35	0.35			
ATIT	0.07	0.07			
Kale	0.14	0.14			
Satara	0.12	0.12			
Shirala	0.13	0.13			
K Mahankal	0.14	0.14			
Supa	0.13	0.13			
Vita	0.37	0.37			
Dondaicha	0.61	0.61			
Sakri	0.04	0.04			
Nandurbar	0.07	0.07			
Khadakale	0.20	0.20			
Khaparale	0.07	0.07			
	2.58	2.58			
Dabhol					
RGPP L II	30.74	30.74	1290	1271	1249
RGPP L III					
	30.74	30.74			1249
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.06	10.06	450	350	500
Trombay 6	5.27	5.27	425	150	500
Trombay 7A	2.94	2.94	126	117	120
Trombay 7B	1.64	1.64	69	68	60
Trombay 8	5.21	5.21	250	151	250
TATA Hydro	0.46	0.46	102	0	447
	25.58	25.58			1877
REL					
1&2	12.72	12.72	533	525	500
	12.72	12.72			500
Cent Sect					
Share					2973
					2973

MS PG CL	Thermal	121.39	121.39		5276
	Thml+Gas	133.01	133.01		5756
	Hydro	6.35	6.35		1499
	Total	139.36	139.36		7255
State Total		211.05	211.05		13854

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 01/Mar/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	5060	298	487	5845	1283	64	2783	3312	-47		10521	687	11208	1642	12850	49.83
2	5059	261	489	5809	1283	80	2783	3329	-47	2	10503	749	11252	1492	12744	49.96
3	5061	256	489	5806	1283	84	2783	3284	-47	5	10462	847	11309	1417	12726	49.97
4	5097	256	489	5842	1283	98	2783	3000	-47	6	10229	1406	11635	1370	13005	50.09
5	5099	256	491	5846	1283	122	2783	3112	-47	7	10370	1570	11940	1366	13306	49.97
6	5141	261	490	5892	1283	145	2789	2899	-47		10219	1898	12117	1404	13521	49.93
7	5167	272	492	5931	1283	167	2980	2829	43	92	10302	2320	12622	1467	14089	50.15
8	5073	264	494	5831	1283	152	2987	3466	43	94	10826	1369	12195	1443	13638	50.19
9	4947	290	494	5731	1283	92	3009	3644	43	89	10839	1506	12345	1452	13797	50.14
10	4914	329	501	5744	1283	80	3057	3658	-5	48	10813	1647	12460	1524	13984	50.05
11	4906	349	512	5767	1283	76	3054	3720	-5	51	10897	1727	12624	1539	14163	50.16
12	4909	327	466	5702	1281	53	3045	3593	-5	50	10679	1865	12544	1583	14127	49.83
13	4919	247	460	5626	1271	31	3045	3631	-5	31	10590	1884	12474	1576	14050	49.87
14	4897	196	458	5551	1273	21	3045	3775	-5	35	10655	1895	12550	1634	14184	50.09
15	4950	201	467	5618	1275	24	3045	3643	-5	37	10597	1760	12357	1593	13950	50.22
16	5032	201	464	5697	1275	43	3048	3659	-5	35	10709	405	11114	1553	12667	50.26
17	5041	201	472	5714	1277	68	3034	3782	-5	34	10875	129	11004	1531	12535	50.37
18	5060	217	474	5751	1279	88	2982	3860	-5	32	11010	129	11139	1554	12693	50.34
19	5095	323	476	5894	1277	186	2777	3617	-75	-36	10938	129	11067	1665	12732	50.07
20	5121	316	512	5949	1278	263	2811	4042	-75	-32	11525	129	11654	1821	13475	50.06
21	5101	323	486	5910	1280	259	2839	3985	-75	-35	11424	129	11553	1863	13416	50.05
22	5179	235	484	5898	1284	168	2871	3862	-75	-35	11185	129	11314	1855	13169	50.14
23	5286	238	486	6010	1284	117	2899	3688	-95	-57	11042	0	11042	1772	12814	50.06
24	5276	233	488	5997	1290	101	2938	3402	-65	-9	10781	0	10781	1739	12520	50.18
MUs	121.39	6.35	11.62	139.36	30.74	2.58	70.17	84.79	-0.66	0.44	257.99	24.31	282.30	37.86	320.16	50.08

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/Mar/2010

Position as on 6.30 Hrs of 02/Mar/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
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
Paras Unit 3	250	16/02/2010	02.35		Continued.	AOH.	05/03/2010
Khaparkheda Unit 2	210	27/02/2010	23.41	01/03/2010	04.20	Renevation of Boiler Validity (Inspection)	
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 1A	230	21/02/2010	00.02		Continued.	Combustion Inspection.	05/03/2010
Paras Unit 2	55	24/02/2010	00.26	01/03/2010	02.46	Steam Tube Leakage	
Khaparkheda Unit 4	210	28/02/2010	20.22	01/03/2010	20.56	Boiler Tube Leakage.	
Paras Unit 2	55	01/03/2010	07.30	01/03/2010	13.18	Aux.T/F trip.	
Bhusawal Unit 3	210	01/03/2010	07.31	01/03/2010	11.53	I.D.fan problem.	
Chandrapur Unit 1	210	01/03/2010	08.49		Continued.	Boiler Tube Leakage	03/03/2010
Bhusawal Unit 3	210	01/03/2010	12.18	01/03/2010	14.05	Boiler tripped.	
Cent_Sect NTPC(V-6)	210	01/03/2010	16.05	01/03/2010	19.57	Tripped on flame failure.	

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

Position as on 6.30 Hrs of 02/Mar/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-S'Sarovar I	30/01/2010	16.23		Continued.	Hand Tripped For Over Voltage.
Wardha - Akola - I	16/02/2010	11.01		Continued.	To control Voltage at Akola
Akola - Aurangabad - I	26/02/2010	15.30		Continued.	H/T for O/V.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
BUS COUPLER @ KHAGHAR	24/02/2010	10:07		Continued.	Breaker Overhauling.
Main Bus -I at Kolhapur	26/02/2010	11.07		Continued.	Errection of Tower CT3, on 400KV M.B.side.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132KV 80MVA ICT at Nanded	19/02/2010	10.48		Continued.	Augmentation of ICT by 200 MVA.
220/132 KV,100 MVA ICT-I At Kalmeshwar	20/02/2010	10.34		Continued.	ICT replacement work.
Karad-M'peth	25/02/2010	08:00		Continued.	Erection of new Tower.
Nasik-Padgha	27/02/2010	08.17	02/03/2010	17.08	Conductor Replacement.
Chinchwad - Hinjewadi	01/03/2010	15.02	01/03/2010	16.02	For tree cutting.
Vita - Miraj	01/03/2010	18.57	01/03/2010	20.07	Air compressor work at Miraj end.
Boiser-PGCIL-I	02/03/2010	09.35	02/03/2010	10.38	C T Oil Sample Cheking.
Vankushwadi - MIDC Satara - I	02/03/2010	09.50	02/03/2010	19.30	Aux.Bus Isolator Replacement.
Boiser PGCIL-Boiser II	02/03/2010	10.40	02/03/2010	13.04	C T Oil Sample Cheking.
Nagothane-Mahad	02/03/2010	10.57	02/03/2010	16.14	For Mahad Bus Outage.
220 KV Main Bus @ Mahad	02/03/2010	11.05	02/03/2010	16.00	Connecting for New X'mer Bay.
200 MVA,220/132 KV ICT-I @ Harangul.	02/03/2010	11.05	02/03/2010	16.15	Quarterly Maintainance Work.
Borivali-Boisar	02/03/2010	14.36	02/03/2010	15.36	Measurment of Ground Clerance @ Span 129 to 180.
Trombay-Kalwa	02/03/2010	15.45	02/03/2010	18.58	R Ph Jumper Red Hot Loc 66 B.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220/132 KV,115 MVA ICT - III @ Lonand	02/03/2010	10.40	02/03/2010	12.25	L V Side C T Oil Leakage.
Trombay-Mulund	02/03/2010	11.10	02/03/2010	14.15	B & Y Ph Jumper Red Hot @ Loc.64B.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	28/02/2010	14.08	02/03/2010	13.47	Hand Tripped for Over Voltage.
Bhusawal- Aurangabad	02/03/2010	17.07		Continued.	Hand Tripped for Over Voltage.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Chikhali - Khamgaon	16/02/2010	11.22		Continued.	To control Chikhali ICT Loading
Voltage Level : 220KV			Outage Type TRIPPED		
Padgha - Jindal	01/03/2010	02.39	01/03/2010	15.47	Y Ph Coupling Capaciter Burst.
Padgha-Jambhul II	01/03/2010	02.39	01/03/2010	03.20	Maloperation.
Chinchwad - Hinjewadi	01/03/2010	13.14	01/03/2010	13.39	Distance protection.
Kandalgaon-Lonand	01/03/2010	18.50	01/03/2010	19.05	Tripped on distance protection
220/66KV,50MVA T/F-II at Wardha	02/03/2010	00.55		Continued.	Y Ph LV side CT Burst.
Apta-Bombay Dyeing	02/03/2010	07.04	02/03/2010	18.05	One Pole Trip @ Bombaydying Only.

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

Position as on 6.30 Hrs of 02/Mar/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 132KV			Outage Type TRIPPED		
Kanhan-Pardi	01/03/2010	16.45	01/03/2010	19.50	Y Ph.LA burst at Kanhan end.
Kawlewada-Madgi-I	01/03/2010	22.05	02/03/2010	12.05	Y Ph. LA burst at Madgi end.
Ambazari - Hingna - I	02/03/2010	20.41	02/03/2010	21.28	Distance Protection.
132/11 KV,20 MVA X'mer - I @ Hingna	02/03/2010	20.43		Continued.	H V Side R Ph C T Burnt.
Hingna-Mankapur-I	02/03/2010	21.41	02/03/2010	21.32	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 02/Mar/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	65
Unit 2	105	70
Unit 3	105	0
Unit 4	105	80
Unit 5	200	160
Unit 6	210	160
Unit 7	210	200
	1040	735
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	200
Unit 5	210	185
Unit 6	250	250
	940	846
Chandrapur		
Unit 1	210	0
Unit 2	210	150
Unit 3	210	210
Unit 4	210	210
Unit 5	500	400
Unit 6	500	375
Unit 7	500	450
	2340	1795
Paras		
Unit 2	55	46
Unit 3	250	0
	305	46
Khaparkheda		
Unit 1	210	210
Unit 2	210	190
Unit 3	210	210
Unit 4	210	210
	840	820
Nasik		
Unit 1	120	95
Unit 2	120	95
Unit 3	210	205
Unit 4	210	205
Unit 5	210	205
	870	805
Uran		
All Units	852	470
	852	470
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	20
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	97
BHIRA T.R.	80	80
RNGR+BHTSA	20	12
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	329
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	1249
RGPPPL III	740	
	1700	1249
Tata		
Trombay 4	150	0
Trombay 5	500	450
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1827
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3193
	3143	3193