



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

**State Load Dispatch Center,
Airoli**

Daily system Report

for

13/Mar/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 13/Mar/2010 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	115.506	1638.522	1) Madhya Pradesh	47.700	653.757
2) Hydro	20.581	179.890	2) Gujrat	28.543	395.714
3) Gas	13.722	156.170	3) Goa	-6.244	-81.272
Total MSGENCO	149.809	1974.582	4) TAPS 1&2 (Inj.)	7.256	94.625
B) OTHERS			5) Pench (Excess)	-0.071	-2.535
1) RGPPL Gas	30.396	385.747	# Total Cent. Sector	77.184	1060.289
2) Wind Generation	2.844	55.075	F) Other Exchanges		
3) PENCH (MS)	0.299	2.763	1) With TPCL	-4.659	-39.342
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	29.892	372.017	1) MSEDCL Bilateral	5.963	77.857
2) TPCL Hydro	4.331	55.171	Include PX	0.000	0.000
TOTAL TPCL	34.223	427.188	2) MUMBAI Bilateral	5.254	50.062
3) REL Thermal	12.629	164.514	Include PX	2.061	20.912
D) STATE			3) MUMBAI Schedule	5.254	50.062
1) Thermal (A1+C1+C3)	158.027	2175.053	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	25.211	237.824	1) MSEDCL	255.873	3439.114
3) Gas (A3+B1)	44.118	541.917	2) TPCL	32.918	408.786
4) Wind (B2)	2.844	55.075	3) REL	18.591	222.250
TOTAL STATE	230.200	3009.869	TOTAL STATE	307.382	4070.150

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4750	4648	4981
MSGENCO Hydro	607	1885	187
MSGENCO Gas	526	467	640
MSGENCO Total Generation	5883	7000	5808
Central Sector Receipt	3701	3478	2453
RGPPL	1318	1277	1247
WIND	39	127	113
Exchange with TPCL	-354	-333	50
MSEDCL DEMAND MET	10602	11600	9671
Load Shedding	3518	3794	2171
MSEDCL DEMAND (INCL. LS)	14120	15394	11842
TPCL GENERATION	1683	1620	1155
REL GENERATION	524	524	530
TPCL+REL DEMAND	2561	2477	1635
STATE DEMAND MET	13163	14077	11306
STATE DEMAND (INCL. LS)	16681	17871	13477
Frequency (Hz)	49.24	49.56	49.68
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4669 MW AT 21.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			79.88 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.37 Hz at 18.03 Hrs	48.79 Hz at 22.35 Hrs	49.43	3.9 % 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 13/Mar/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.32	17.57	60	51	60
Unit 2	1.56	20.87	69	58	70
Unit 3	0.00	0.00	0	0	0
Unit 4	1.67	21.71	79	64	70
Unit 5	3.66	46.37	161	136	150
Unit 6	4.07	47.83	184	126	160
Unit 7	4.55	37.96	202	156	180
	16.83	192.31			690
Bhusawal					
Unit 1	0.32	14.47	50	0	50
Unit 2	3.57	57.71	195	0	195
Unit 3	0.00	52.34	0	0	0
	3.89	124.52			245
Parli					
Unit 1	0.52	7.17	24	20	23
Unit 2	0.53	5.33	24	20	23
Unit 3	0.00	37.16	0	0	0
Unit 4	4.57	53.62	204	172	200
Unit 5	3.93	54.64	180	152	185
Unit 6	6.04	79.69	255	232	250
Unit 7	3.67	17.32	232	85	0
	19.27	254.93			681
Chandrapur					
Unit 1	3.36	32.87	158	115	165
Unit 2	3.15	44.85	146	100	150
Unit 3	3.80	53.59	186	115	180
Unit 4	4.48	59.68	199	156	210
Unit 5	10.22	121.48	440	414	450
Unit 6	9.47	113.99	415	365	400
Unit 7	9.84	132.04	435	371	450
	44.32	558.49			2005
Paras					
Unit 2	1.06	10.08	48	42	46
Unit 3	5.75	33.29	256	228	240
Unit 4	2.36	8.28	135	0	0
	9.17	51.65			286
Khaparkheda					
Unit 1	0.00	53.10	0	0	0
Unit 2	0.29	44.66	134	0	0
Unit 3	2.89	61.53	211	0	175
Unit 4	0.41	51.44	164	0	0
	3.60	210.73			175
Nasik					
Unit 1	2.28	29.12	99	88	95
Unit 2	2.21	29.67	102	64	95
Unit 3	4.70	63.68	211	168	170
Unit 4	4.54	60.95	205	166	170
Unit 5	4.70	62.48	209	170	170
	18.43	245.90			700
Koyna					
Stage 1-2	2.90	27.88	330	25	460
Stage 4	10.02	66.08	1094	0	250
Stage 3	2.62	20.05	240	0	240
	15.55	114.00			950
Koyna 12&4 Total	12.92	93.96			710

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran					
All Units	13.72	156.17	659	448	620
	13.72	156.17			620
Hydro					
KDPH	0.92	7.93	39	38	18
VTRNA	0.32	11.84	61	0	60
TILLARI	0.00	2.28	0	0	0
BHTGR/VEER	2.57	28.70	108	107	71
BHIRA T.R.	0.27	2.66	81	0	80
RNGR+BHTSA	0.29	4.04	13	12	15
BHANDARDRA	0.00	1.01	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.00	0.00	0	0	0
GHATGHAR	0.67	7.43	125	0	0
	5.04	65.89			244
PENCH (MS)					
Pench (MS)	0.30	2.76	51	0	0
	0.30	2.76			0
Wind					
MalharPeth	0.09	2.38			
Vankuswadi	0.27	5.02			
ATIT	0.04	1.42			
Kale	0.08	1.89			
Satara	0.08	1.96			
Shirala	0.08	1.80			
K Mahankal	0.17	1.72			
Supa	0.04	1.46			
Vita	0.67	7.74			
Dondaicha	0.86	18.05			
Sakri	0.12	2.92			
Nandurbar	0.13	2.59			
Khadakale	0.11	3.45			
Khaparale	0.09	2.68			
	2.84	55.08			
Dabhol					
RGPPPL	30.40	385.75	1328	1230	1230
	30.40	385.75			1230
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.78	129.03	410	405	400
Trombay 6	9.76	109.04	510	280	500
Trombay 7A	2.84	37.97	121	114	120
Trombay 7B	1.60	21.24	69	64	60
Trombay 8	5.92	74.74	252	225	250
TATA Hydro	4.33	55.17	446	0	447
	34.22	427.19			1777
REL					
1&2	12.63	164.51	530	522	500
	12.63	164.51			500
Cent Sect					
Share					3344
					3344
MS PG CL					
Thermal	115.51	1638.52			4782
Thml+Gas	129.23	1794.69			5402
Hydro	20.58	179.89			1194
Total	149.81	1974.58			6596
State Total	230.20	3009.87			13447

State Load Dispatch Center, Airoli (MSETCL)

Hourly Load Data As on 13/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	4854	349	637	5840	1230	98	2871	2988	-20	3	10159	1904	12063	1854	13917	49.51
2	4988	182	635	5805	1230	93	2791	2835	27	49	10012	1944	11956	1769	13725	49.44
3	4989	197	639	5825	1243	102	2762	2804	27	51	10025	1807	11832	1676	13508	49.55
4	4981	187	640	5808	1247	113	2731	2453	27	50	9671	2171	11842	1635	13477	49.68
5	4949	192	638	5779	1238	145	2732	2653	27	46	9864	2267	12131	1606	13737	49.35
6	4899	287	640	5826	1238	154	2718	2758	27	44	10037	2572	12609	1669	14278	49.36
7	4976	252	650	5878	1248	137	3058	2667	32	46	9976	3331	13307	1709	15016	49.65
8	4835	228	659	5722	1328	121	3104	2931	-15	-1	10101	3420	13521	1755	15276	49.67
9	4855	255	619	5729	1271	88	3100	2993	-15	-2	10079	3129	13208	1947	15155	49.54
10	4763	298	582	5643	1245	69	3484	3586	-294	-282	10261	3461	13722	2249	15971	49.44
11	4739	446	557	5742	1260	55	3569	3580	-363	-358	10279	3405	13684	2497	16181	49.27
12	4750	607	526	5883	1318	39	3554	3701	-363	-354	10602	3518	14120	2561	16681	49.24
13	4854	991	523	6368	1252	37	3504	3548	-363	-354	10876	3445	14321	2584	16905	49.26
14	4885	955	533	6373	1290	80	3543	3557	-363	-329	10971	3410	14381	2472	16853	49.33
15	4787	1114	534	6435	1275	99	3552	3633	-410	-407	11035	3509	14544	2485	17029	49.30
16	4753	1117	536	6406	1269	144	3442	3530	-410	-410	10949	3369	14318	2498	16816	49.33
17	4730	1391	457	6578	1270	201	3448	3475	-410	-399	11125	3415	14540	2434	16974	49.49
18	4653	1213	478	6344	1270	246	3449	3399	-410	-393	10866	3125	13991	2397	16388	49.46
19	4695	1185	448	6328	1271	219	3098	3533	-361	-313	11089	3669	14758	2361	17119	49.71
20	4648	1885	467	7000	1277	127	3222	3478	-361	-333	11600	3794	15394	2477	17871	49.56
21	4683	1890	506	7079	1285	128	3223	3642	-342	-283	11902	3422	15324	2394	17718	49.46
22	4744	1858	562	7164	1288	104	3238	3283	-342	-282	11557	3436	14993	2291	17284	49.44
23	4757	1776	621	7154	1278	117	3131	3045	-287	-224	11421	2994	14415	2105	16520	49.20
24	4747	1726	636	7109	1275	128	3070	3064	-287	-224	11377	2124	13501	2084	15585	49.19
MUs	115.51	20.58	13.72	149.82	30.40	2.84	76.39	77.14	-5.25	-4.66	255.83	72.64	328.48	51.51	379.98	49.43

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 13/Mar/2010

Position as on 6.30 Hrs of 14/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
Koyna Unit 12	80	03/03/2010	09.30		Continued.	Retrofitting work	05/04/2010
Parli Unit 3	210	11/03/2010	03.45		Continued.	Annual overhaul	05/04/2010
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.	
Uran Unit 3	60	05/03/2010	09.49		Continued.	Gas Restriction.	
Koyna Unit 1	75	09/03/2010	21:05	13/03/2010	17.45	B'PH CT BURST @ POPHALI U-2	
Koyna Unit 2	75	09/03/2010	21:05	13/03/2010	21.30	B'PH CT BURST @ POPHALI U-2	
Khaparkheda Unit 2	210	11/03/2010	03.10	13/03/2010	20.47	Boiler Tube Leakage.	
Dabhol 1A	230	11/03/2010	20:12	13/03/2010	06.51	DUPLEX 2K Trip.	
Khaparkheda Unit 4	210	12/03/2010	13.09	13/03/2010	20.07	BLR T/L.	
Bhusawal Unit 3	210	12/03/2010	22.16	14/03/2010	05.24	Gland Cooler-2 leakage.	
Cent_Sect NTPC (K-2)	210	13/03/2010	02.27	14/03/2010	04.14	BLR T/L.	
Bhusawal Unit 1	58	13/03/2010	06.46	14/03/2010	04.00	Tripped on Bus Fault.	
Bhusawal Unit 2	210	13/03/2010	06.46	13/03/2010	11.16	Tripped on Bus fault.	
Dabhol 1A	230	13/03/2010	08.22	13/03/2010	09.12	Tripped.	
Khaparkheda Unit 3	210	13/03/2010	15.47	14/03/2010	21.29	BLR T/L.	
Uran Unit 6	108	13/03/2010	17.56	13/03/2010	20.00	Generator Protection.	
Paras Unit 4	250	13/03/2010	21:45		Continued.	ESP Problem.	
Chandrapur Unit 5	500	14/03/2010	15.31		Continued.	Boiler Tube Leakage.	17/03/2010

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 13/Mar/2010

Position as on 6.30 Hrs of 14/Mar/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Kolhapur-Mapusa Ckt I	14/03/2010	07.18	14/03/2010	21.31	For M.B.I Outage at Kolhapur.
Kolhapur - Mapusa - II	14/03/2010	10.05	14/03/2010	21.23	For M.B.II Outage at Kolhapur.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Wardha - Akola - I	16/02/2010	11.01		Continued.	To control Voltage at Akola
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Kalwa - Lonikand	13/03/2010	15.01	13/03/2010	15.59	Replacement of faulty power supply card of Distance Protection.
Main Bus -I at Kolhapur	14/03/2010	07.50	14/03/2010	11.21	Removal of jumper towrds Mapusa yard.
Main Bus-II at Kolhapur	14/03/2010	14.03	14/03/2010	21.22	Removal of jumper towards Mapusa yard.
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.
Trombay - Sonkar	03/03/2010	08.00		Continued.	Repl.of Rusted Tower.
Trombay - Tifil	03/03/2010	08.28		Continued.	Repl.of Rusted Tower.
Tata-Tie-2 at Trombay.	07/03/2010	08.54	14/03/2010	00.01	Line GOD replacement.
220/132KV, 100MVA ICT-I at Padegaon	10/03/2010	12.20		Continued.	ICT Replacement by 200MVA New ICT
220/132 KV T/F - II @ Boiser	11/03/2010	12.30		Continued.	Aumantation of new 200 MVA ICT.
Washala-Ghatghar	12/03/2010	10.15	13/03/2010	18.00	O/L of CB and other Q.M
Versova-Arey-II	13/03/2010	08.23	13/03/2010	16.48	Line Maint.work.
K'gaon-Lonand	13/03/2010	08.34	13/03/2010	18.42	E/W replacement.
Nasik-Bablswr Ckt I	13/03/2010	09.25	13/03/2010	19.57	Q.M.Work
Khaparkheda - Kanhan - I	13/03/2010	09.36	13/03/2010	10.47	To attend Red Hot on B-Ph of Main BKR palm connector.
Dondaicha - Jamde - I	13/03/2010	10.20	13/03/2010	14.20	Q.M.work.
Dhule - Dondaicha - I	13/03/2010	11.45	13/03/2010	13.43	CT Tand Measurement.
Kandalgaon-Lonand	14/03/2010	08.31	14/03/2010	19.11	E/W replacement.
220/100kv,125MVA ICT-II at Borivali	14/03/2010	09.20	14/03/2010	12.50	To attend Hot Spot.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
100 KV Borivali-Borivali-I	14/03/2010	08.10	14/03/2010	19.55	Work at New Borivali(T)-Borivali(M) link.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Borivali-Kalwa	13/03/2010	10.22	13/03/2010	12.22	CT Bushing Hot Spot attending.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Aurangabad - II	08/03/2010	15.15		Continued.	Hand Tripped
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Khaperkheda - Wardha.	13/03/2010	16.50	14/03/2010	08.58	H/T to control Koradi-Khaparkheda ckt.loading and Koradi ICT loading.
Voltage Level : 400KV			Outage Type TRIPPED		
Bhusawal- Aurangabad	07/03/2010	20.43		Continued.	Hand Tripped for Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 13/Mar/2010

Position as on 6.30 Hrs of 14/Mar/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 220KV					Outage Type TRIPPED
Pophali-KDPH	09/03/2010	21.05	13/03/2010	18.00	B Ph C T Burst, Tripped from Pophali End.
220/132KV 100MVA ICT at Chalisgaon	13/03/2010	06.46	13/03/2010	07.40	Tripped on Diff.Prot.ICT on TBC.
Raymond-Washala	13/03/2010	18.30	13/03/2010	19.30	Distance Protection.
Kolhapur - Karad - II	13/03/2010	20.08	14/03/2010	08.45	Distance Protection.
Koradi-Ambazari-I	14/03/2010	02.49	14/03/2010	15.53	Distance protection at Loc.No.53 Y Ph.disc insulator string burst.
Badnera-Akola Ckt.I	14/03/2010	13.31	14/03/2010	13.50	Distance protection.
Dahanu-Ghodbunder	14/03/2010	13.54	14/03/2010	15.23	Distance protection.
Voltage Level : 132KV					Outage Type TRIPPED
Nanded - Umri	13/03/2010	03.43	13/03/2010	03.50	Dist Prot.Z-I.
132 KV Interconnector II at Bhusawal	13/03/2010	06.46	13/03/2010	17.29	Tripped due to falling of earth shield in bet'n ICT I&II & RLY feeder.
Voltage Level : 100KV					Outage Type TRIPPED
Kalwa-Kalyan	14/03/2010	10:01	14/03/2010	10:28	Distance Protection.

State Load Dispatch Center, Airoli (MSETCL)

Details of On Line Capacity for 14/Mar/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	60
Unit 2	105	60
Unit 3	105	0
Unit 4	105	75
Unit 5	200	125
Unit 6	210	140
Unit 7	210	160
	1040	620
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	0
Unit 4	210	200
Unit 5	210	185
Unit 6	250	250
Unit 7	250	
	1190	681
Chandrapur		
Unit 1	210	160
Unit 2	210	150
Unit 3	210	180
Unit 4	210	210
Unit 5	500	450
Unit 6	500	400
Unit 7	500	450
	2340	2000
Paras		
Unit 2	55	46
Unit 3	250	240
Unit 4	250	
	555	286
Khaparkheda		
Unit 1	210	0
Unit 2	210	190
Unit 3	210	0
Unit 4	210	200
	840	390
Nasik		
Unit 1	120	100
Unit 2	120	100
Unit 3	210	210
Unit 4	210	210
Unit 5	210	210
	870	830
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Uran		
All Units	852	620

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	620
Hydro		
KDPH	40	18
VTRNA	60	60
TILLARI	60	0
BHTGR/VEER	21	71
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	244
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		
RGPPL	960	1200
	960	1200
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	2994
	3143	2994